User's Guide

Fike®

Manual P/N 06-468
Rev No. 2, 04/11

The Precise Vision User's Guide

Software Version 3.1.7

Disclaimer

Although every precaution has been taken in the preparation of this guide, the author and the publisher assume no responsibility for errors or omissions. The information in this guide is subject to change without notice to improve reliability, design, and function. This guide does not represent a commitment or a contract on behalf of Fike Alarm Systems. In no event will Fike Alarm Systems, its agents, or its representatives be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages. The entire risk as to the results and performance of Precise Vision software is assumed by you.

Contact Information

Customer Service (888) 628-FIKE (3453) Option 1

Technical Support (888) 628-FIKE (3453) Option 2

Website: www.fike.com

E-Mail: Fike.Firealarm@Fike.com

This page intentionally left blank

Table of Contents

This page intentionally left blank

How to Use this Guide

This guide shows you how to use Precise Vision, with step-by-step instructions and illustrations. If you are setting up your Precise Vision system for the first time, work your way through the pages of this book, in order. Once your system is up and running, you can use this guide as a handy reference manual. Simply refer to the comprehensive table of contents or the index to find answers to your questions.

Specialized Type

"Quotes"	Items you select from a number of options, such as a pull-down menu, are set off by "quotation marks."
Bold Text	Words or characters you type are indicated in **bold**. For example, if the guide says to type **Control Panel**, you type **Control Panel**.
Italics	Specialized terms are written in *italics*.
Small Caps	Keyboard keys, such as CONTROL and ENTER, are shown in SMALL CAPITAL LETTERS.

Instruction Guide

Point	Position the mouse pointer until the tip of the on-screen arrow rests on the item you want to point to.
Click	Press and immediately release the button on the left side of the mouse.
Double-Click	Click the left button twice in a row.
Right-Click	Click the button on the right side of the mouse.
Drag	Hold the left button down as you move the mouse.
Drop	When you are done dragging an item into position, drop it into place by releasing the mouse button.
Highlight	Point and drag the cursor over the text you want to highlight.

Helpful Hints

Helpful Hint: Throughout this guide, watch for "Helpful Hint" boxes like this one. You will find tips, hints, and suggestions for making the most of your Precise Vision system.

Illustrations

This guide is illustrated with actual Precise Vision screen images, which were captured on a computer that runs Windows XP Professional. If your computer uses a different Windows operating system, such as Windows 7, your Precise Vision windows might look different, but you will follow the same step-by-step procedures.

Frequently Asked Questions about Precise Vision

What is Precise Vision? Precise Vision is software that lets you monitor all of your fire alarms, security systems, and building controls from a standard personal computer. Precise Vision displays real-time information about all of your alarms and devices on maps, floor plans, and color-coded lists, along with corresponding “Take Action” messages.

Will Precise Vision work in my facility? Yes. Precise Vision is designed to work with today’s most popular fire, security, and building control systems.

How does Precise Vision work? Precise Vision links to your existing equipment via RS-232 connections, and interprets the ASCII text it generates.

Is Precise Vision difficult to set up? Not if you are used to configuring alarm panels. Precise Vision reads information from the control panels that are installed on your site, and sends that information to a database. You tell the Precise Vision system how to interpret messages from the control panels, and the software automatically identifies individual address numbers. Then you can simply drag and drop the new devices onto the Precise Vision map or floor plan of your site.

Can you set up a Precise Vision system for me? Yes. We are happy to provide installation and setup services.

Can I use Precise Vision if my facility has alarms and devices from several different manufacturers? Yes. Precise Vision can monitor devices from different panel manufacturers, even when they produce messages that are different.

Can I customize the look of my Precise Vision system? Yes. While Precise Vision comes pre-programmed with an intuitive red, yellow, and green color scheme for devices in alarm, trouble, and normal status, you can choose to use any standard Windows colors. You can also choose any Windows font you like, and use any digital images you wish.

How does Precise Vision’ color coding work? Usually, alarms and "Take Action" messages are automatically displayed in red, trouble or error messages are displayed in yellow, and information about devices in normal mode are displayed in green. Some users change their color schemes to differentiate between the types of devices on site, such as fire or security.

What information is included in Precise Vision’ emergency "Take Action" instructions? You can customize your emergency messages to include suggestions for evacuating a building, calling supervisors and technicians, or dealing with hazardous materials. You can change and add text on the fly, in a matter of seconds. You can even include information in more than one language. In addition to providing peace of mind, Precise Vision is a useful tool for standardizing emergency procedures and protocols.

Can I add alarm sounds and audible alerts to my Precise Vision system? Yes. Just associate WAV files with each device type and device state in your system.

Will Precise Vision work with closed-circuit video? Yes, when you network cameras with TCP/IP addresses. Can I print my Precise Vision files? Yes, you can print Precise Vision maps, floor plans, records, and reports to any printer connected to your computer.

Can I use Precise Vision to integrate my fire and security systems? Yes. Precise Vision will combine all the alarms in a facility or on a campus into a single, streamlined interface.

Can I monitor my HVAC system with Precise Vision? Yes. Precise Vision works with any device with an RS-232 port.

Can I monitor more than one building from a single computer? Yes. Just use terminal servers to connect your panels to your network. Precise Vision can read the data as if it were coming from a hard-wired COM port.

What kind of computer will I need? Precise Vision runs on most desktop PCs, laptops, flat-panel, and touch screen computers with Windows operating systems.

Can I run other programs on my Precise Vision computer? Yes. Just set Precise Vision to come to the front when there are active alarms.

Can I network my Precise Vision system? Yes. You can install Precise Vision on an existing network, or use standard products to build a dedicated local area network.

Can I use Precise Vision for facility maintenance? Yes. You can use Precise Vision to keep written and photographic records of device types, model numbers, replacement parts, paint colors, and service providers. You can also print Precise Vision maps and floor plans and add notes for your maintenance team.

Can I use Precise Vision to show "as built" installations of wiring, alarms, and devices, even if they deviate from the architect's design? Yes, Precise Vision is perfect for "as built" diagrams, because it's so easy to drag and drop devices into their correct location on a floor plan.

I've already programmed my alarm system. Do I have to enter that data again? No. Precise Vision is designed to update its database automatically whenever it receives information from a fire alarm or security device. You will not need to manually enter long lists of details about every device in your system. The first time Precise Vision receives a message from a device, it will add that item to the database and automatically know which graphic image to use for that device. Later, you can drag that image over to its proper place on the floor plan. One of our customers automatically imported more than 4,000 devices in about five minutes.

My panel sends unique messages. Can Precise Vision handle them? Yes. Precise Vision lets you assign a pseudo point to create devices from non-standard messages. For example, you can tell Precise Vision which error message refers to batteries. Then you can drop a graphic image of a battery onto a picture to help users locate a panel with battery problems.

Does Precise Vision store information about active alarms and devices? Yes, Precise Vision automatically compiles printable, second-by-second reports of alarms and events exactly as they occur. Precise Vision makes it easy to reconstruct emergency events after the fact, both to verify that the proper steps were taken and to improve future responses.

What will Precise Vision do if an alarm comes in from a device that hasn't been logged by the system? Within seconds, you will see the alarm listed on the Precise Vision screen, so you can drag and drop it into place on the floor plan. It's a simple, automated process. After you have told the Precise Vision system how to interpret messages from the control panels, individual address numbers are collected automatically. A micro-processor-based control panel reports whether your devices are missing, being tested, or restored to normal status.

Is there a limit to the amount of text I can include about each device in my system? You can compose messages of up to 2,560 characters for devices that are in alarm, and separate 1,280-character messages for those same devices when they report trouble or error messages.

What does "CAD" stand for? CAD stands for computer-aided design, computer-aided drafting, and computer-aided dispatch.

Can I use Precise Vision to make CAD drawings? No. Precise Vision uses existing CAD maps and floor plans. When you set up a Precise Vision system, you will start by importing those files, and then you will simply drag and drop alarms and devices onto them.

Where do I get CAD maps and floor plans? Most architects use CAD software to design buildings, and their CAD drawings are usually kept on file by building owners or facility managers.

Does Precise Vision work with files drawn with any CAD software? Yes, any CAD software program will create files compatible with Precise Vision. Most of our customers work with files that were created in AutoCAD.

Do Precise Vision image files consist of a lot of layers? No, Precise Vision images are simply a single-layer background image.

What format are Precise Vision files? Most Precise Vision files are Windows Metafiles, or WMFs, because they show the most detail when users zoom in. Most Windows CAD packages can create WMF files. Precise Vision will also work with JPEGs and digital photos.

How do I make a CAD file into a Windows Metafile? Most CAD software programs will allow you to save and export files as WMFs.

Do you offer training? Yes, we offer training for installers, although our software is so easy to use that most customers can set it up simply by referring to our User's Guide.

Do you offer technical support? Of course we offer a comprehensive array of support materials on our website, as well as technical support contracts and a toll-free hotline: (888) 628-FIKE (3453) Option 2.

This page intentionally left blank

Chapter 1: Installing Precise Vision

Precise Vision software is revolutionizing the alarm industry — and you are about to learn why. Precise Vision is remarkably easy to set up and use. In every sense, Precise Vision really is "Safety Made Simple." In this chapter, we will show you how to install Precise Vision on the laptop or computer of your choice.

Basic System Requirements

Precise Vision is easy to install and run on most readily available PCs, laptop, flat-panel, and touch screen computers.

If you would like to know if Precise Vision will work with a computer you already own, use this checklist of basic system requirements:

- Pentium processor (Pentium 4 recommended)
- 1 GB RAM memory (2 GB recommended)
- 1 GB hard drive (Precise Vision typically uses less than 100 MB)
- RS232 or RS485 connections — one for each control panel or network interface port
- Sound card with speakers
- XGA or WXGA video card
- 17-inch VGA monitor (19-inch recommended)
- Microsoft Windows XP, Windows 7 or Vista
- Mouse or other pointer device
- Rewritable CD-RW drive or portable USB drive

Compatible Options

You can add a wide range of readily available peripherals to your Precise Vision system, such as networking components, printers, and other devices.

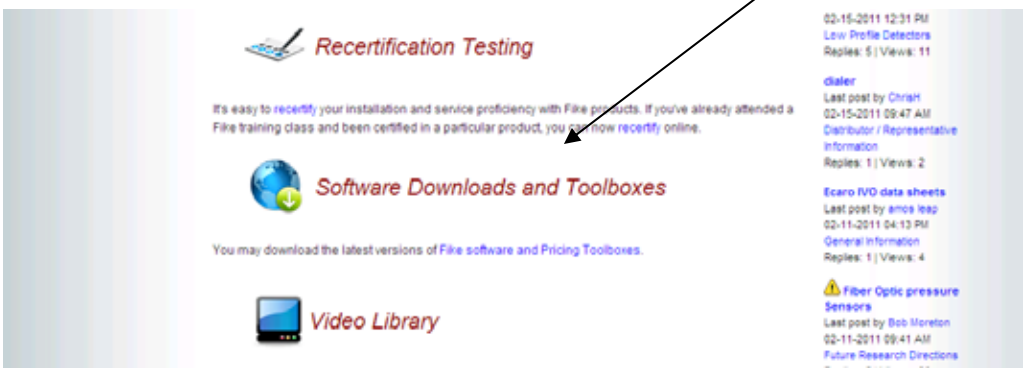
Helpful Hint: If you want to use Precise Vision to control your fire alarm system — in addition to monitoring alarms — you will want to follow UL 864 requirements. You can call us for details. Please note that you are not required to use UL listed equipment if you simply want to monitor your site with Precise Vision. UL listing is only required if you want to control the alarm system from the computer running Precise Vision.

Additional Requirements for UL Command & Control Version

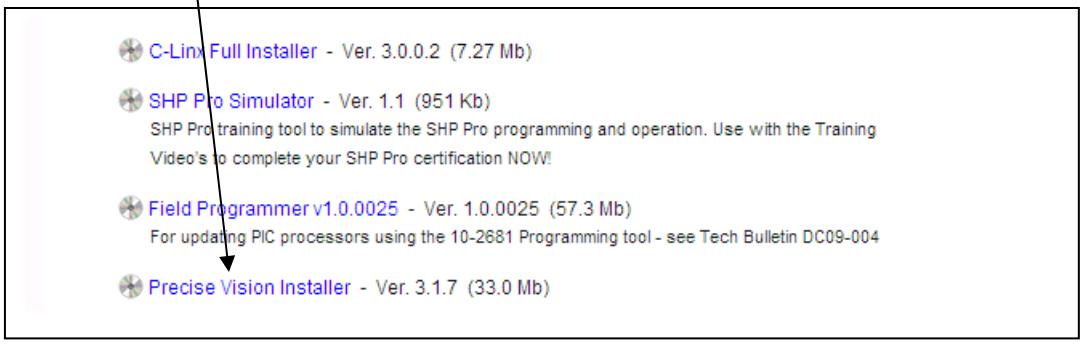
- Specific Listed Touch Screen Computer
- Windows XP Only (Comes on listed computer)
- Multi-Interface Module Required
- Separate Product Manual (P/N 06-486)

Install Precise Vision on Your Computer

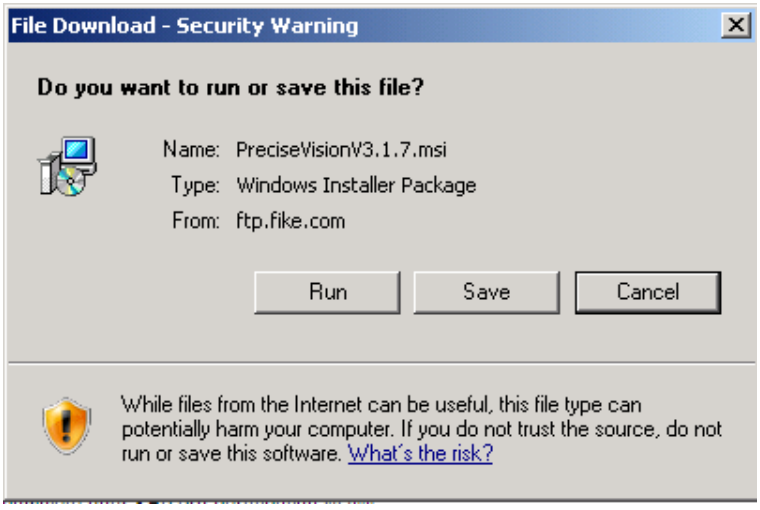
To obtain the Precise Vision installation files, you need to connect to the internet and proceed to the Fike Forums website at http://forums.fike.com/ and scroll down until you see the "**Software Downloads and Toolboxes**" link.



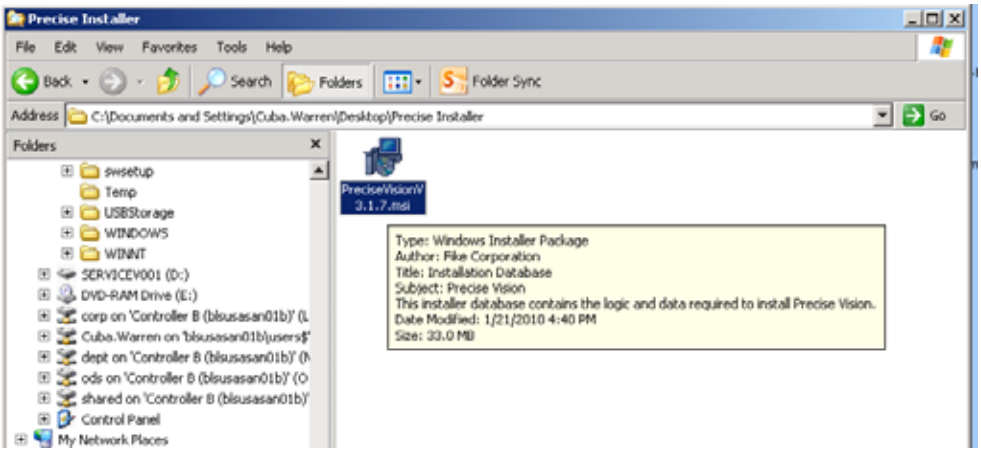
Click on that link and you will be directed to the screen showing all available software for download. You will scroll down to locate the "**Precise Vision Installer**" link. Click on that link



This will bring up a screen below that gives you the option to **RUN** or **SAVE** this installation file. Although you can do either, it is recommended when installing a large program, that due to intermittent problems of large data files across the internet, it is best to save it to your computer, then run the installation. So click on **SAVE**, and save it where you can locate it on your computer or jump drive.



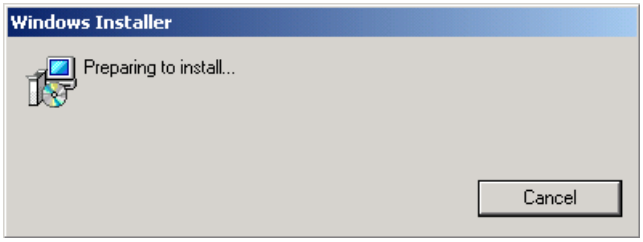
If you downloaded the Precise Vision installation program, simply open the Precise Vision.msi file by ***right-clicking*** on that file and choose **OPEN**, or simply ***double-click*** on the file installer.



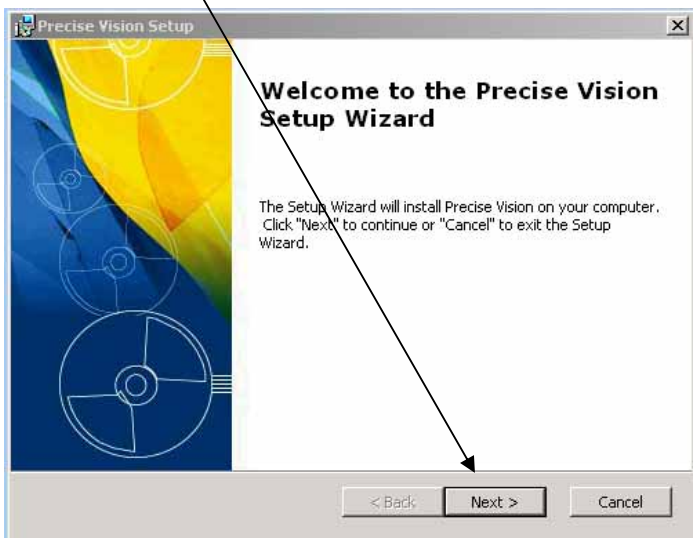
Due to heightened computer security programs, it may come up with a screen asking permission to allow this installer program to run. If so, click on **RUN**.

Helpful Hint: One way to open a folder on your hard drive or on another computer is to type the folder name as a command. Click the "**Start**" button, and then click **Run**. Now type the path in then click "**Open**."

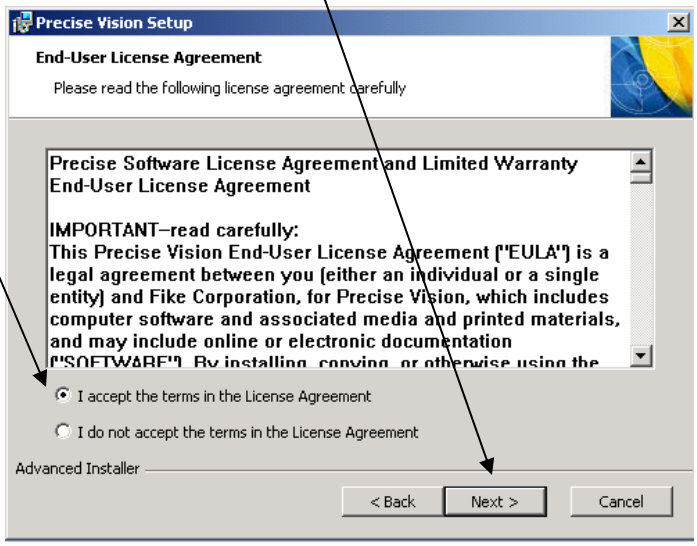
You will see a screen confirming that the installation program is proceeding.



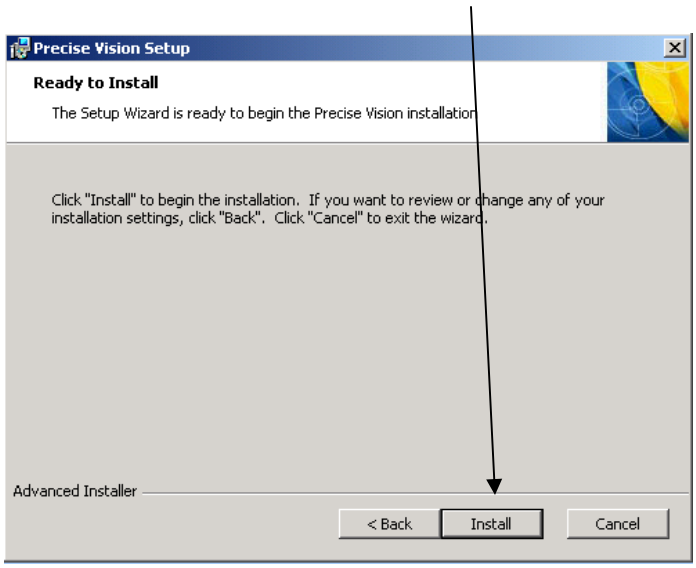
The Installation Wizard will open. Click "**Next**" to continue.



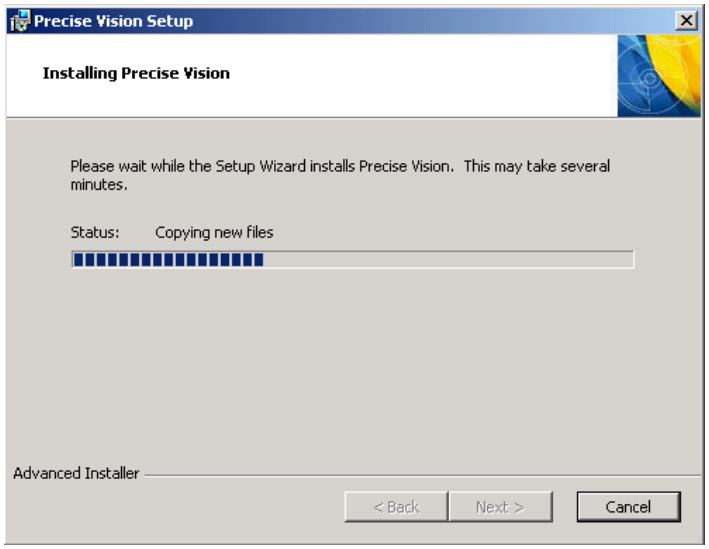
Read and accept the license agreement, and click "**Next**."



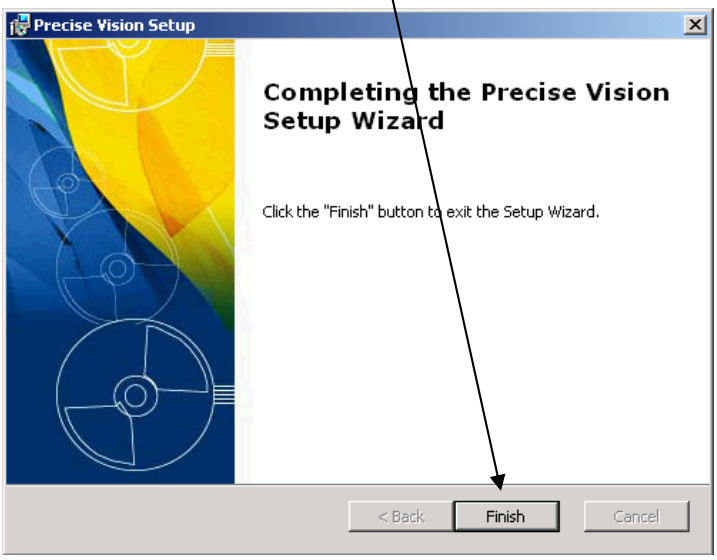
The Wizard will now indicate it is "**Ready to Install**"……so click "**INSTALL**."



The installation of the software will begin and a screen showing the progress of that installation appears.



When Precise Vision has been successfully installed, click "**Finish**."

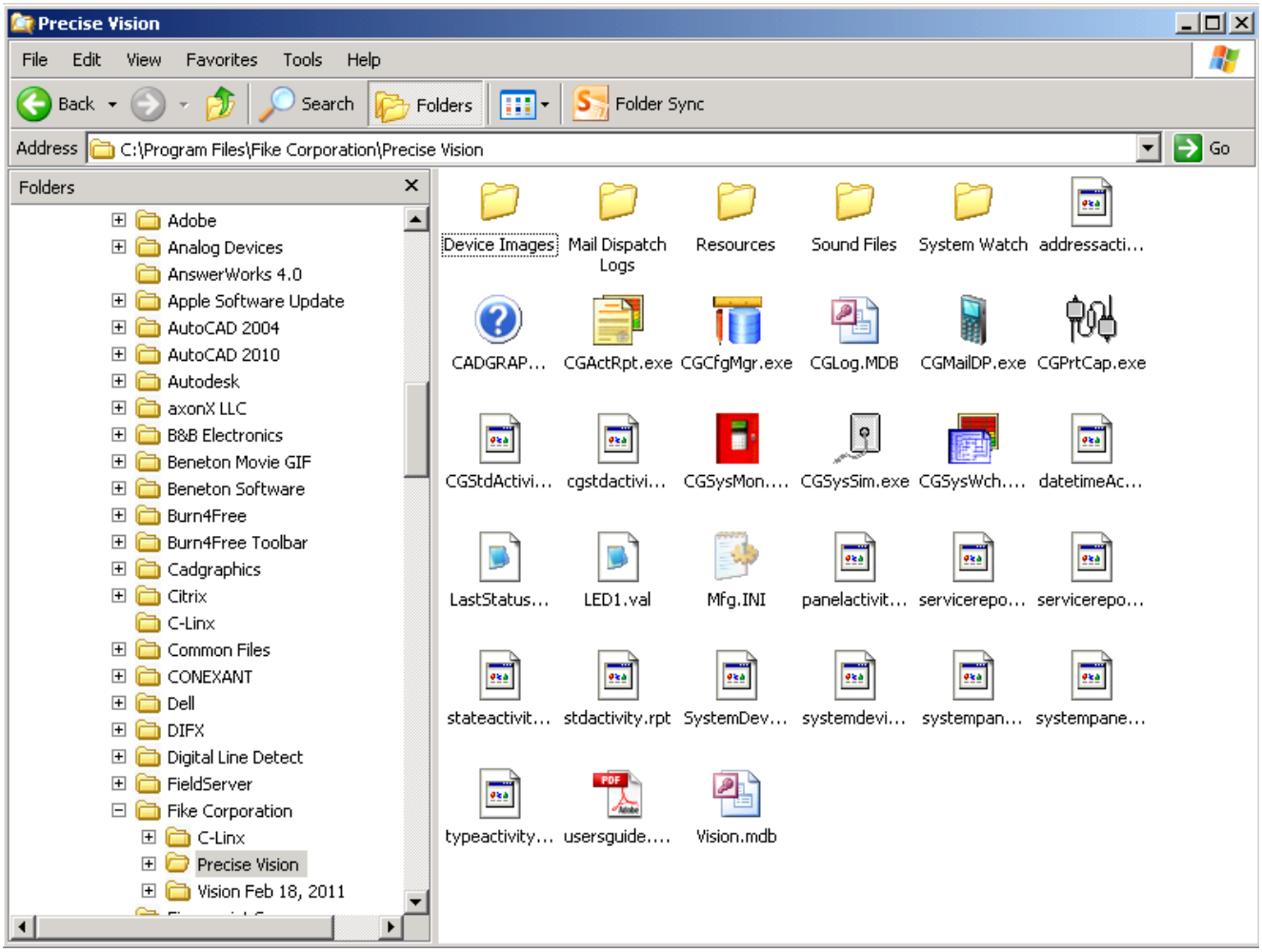


This screen will the basically disappear and you are back to normal screen of your computer. If no errors showed up, Precise Vision is now installed on your computer.

Helpful Hint: Whenever you finish installing new software, whether the program prompts you to do so or not, ***you should restart your computer.***

What Gets Installed: Precise Vision Files

When you have completed the full installation process, the software is installed in the "**C:\Program Files\Fike Corporation\Precise Vision**" folder on your hard drive and that should contain the following files:



Other files (dll and ocx types) are also copied to the Windows System folder.

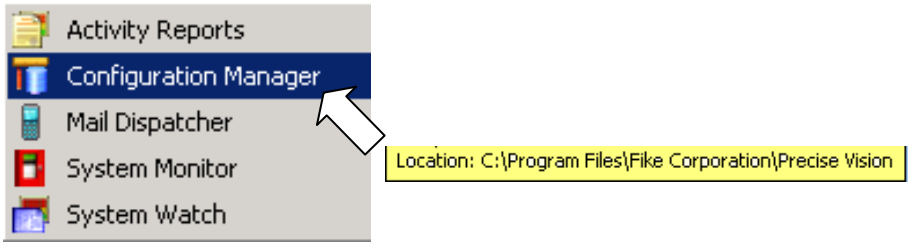
Helpful Hint: To avoid having to find these programs when needed, it can be very helpful to make a shortcut of CGConfgMgf.exe, CGSysMon.exe and CGSysWch.exe and place them on your desktop. If you have e-mail capabilities, then also make a shortcut for GCMailDP,exe on the desktop.

Helpful Hint: If you install Precise Vision on a network, you can establish separate display settings for each workstation, to suit each user's personal preferences. That's because a separate copy of system files and registry entries will be saved on each computer.

The Software within the Software

The complete Precise Vision software package is actually several programs in one. You will use four or five of the programs to set up and use your Precise Vision system.

Here is an overview of each of the five programs you will find in your Precise Vision folder:



- The **Activity Reports** program makes it possible for you to perform an extensive review of all events in your system. It includes files that are compatible with Seagate's Crystal Reports, which you can use to create your own headers and report criteria. You could even format your periodic service and inspection reports to meet the needs of your local building codes.

- The **Configuration Manager** program customizes your system and enables Precise Vision to recognize your alarm panels and modify device information.

- The **Mail Dispatcher** allows operation for the optional Email operation. For Email to work, the Precise Vision system must be licensed for that operation, and this must be running in the background, in addition to System Monitor and System Watch, or emails will not be sent.

- The **System Monitor** program reads and interprets incoming information from your alarm system. This program ***MUST*** be running in the background before System Watch will operate or show any events.

- The **System Watch** program shows a continuous list of all alarms and devices in your system, displays emergency instructions, and locates each alarm on a floor plan or on a map. It will never update with events if System Monitor is not running in the background also.

This page intentionally left blank

Chapter 2: Passwords

You will probably want to protect your Precise Vision system with passwords to prevent unauthorized users from changing your settings and personal preferences — or worse, shutting down your monitoring station to play games, surf the Internet or use the computer for any other programs. This chapter will show you how to establish your system passwords, and keep them from getting lost.

Establish System Passwords

Your Precise Vision system is password protected, to help ensure that unauthorized users do not tamper with your settings or shut down your monitoring program. You can establish varying levels of passwords, to allow a wide range of users to access the information they need.

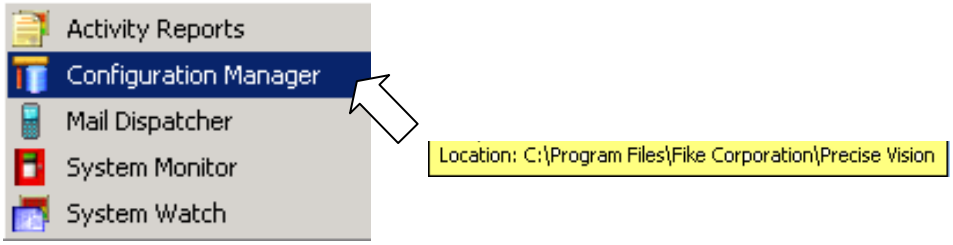
The default Level 1 password is the numeral **1111**. The default Level 2 password is the numeral **2222**. The default Level 3 password is the numeral **3333**. In addition, the default administrative password is the word **password**.

As you customize your Precise Vision system, you will need to establish four separate passwords. Each password should be four to ten characters long.

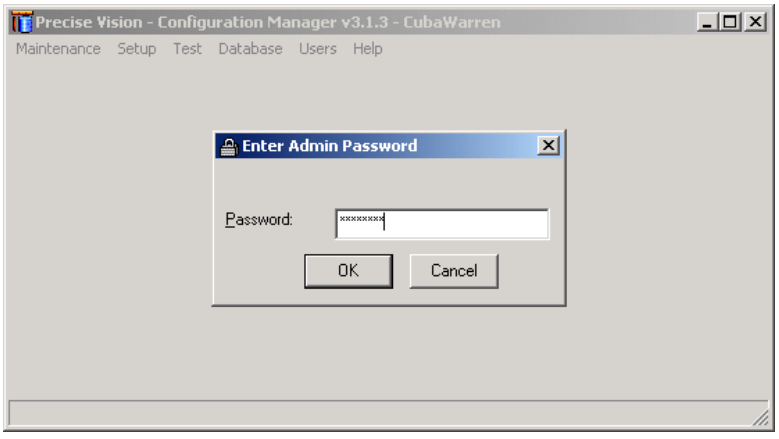
- The **Level 1** password will allow all authorized users to make cosmetic changes to the system and set individual preferences.
- The **Level 2** password will enable some authorized users to add and delete notes to clarify the system for other users.
- The **Level 3** password will enable a select few users to shut down the Precise Vision system. (Most users rely on Precise Vision to monitor the status of their fire alarm and security systems, so they never want the software to shut down accidentally. When they do choose to shut it down, it is typically for maintenance.). This password will be needed anytime you make changes in System Monitor or System Watch, or anytime you ***CLOSE*** System Monitor or System Watch.
- The administrative password will enable system administrators or engineers to enter devices and modify their locations in the Precise Vision system. Until you change it, the Configuration Manager password is **password**. This will be needed anytime you open Configuration Manager.

Open Configuration Manager

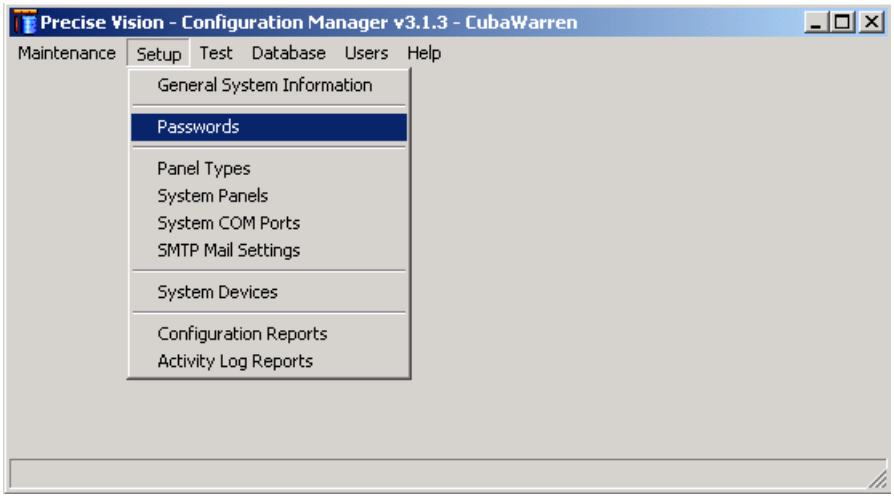
Start by opening Configuration Manager from your **Start------Programs------Precise Vision** link.



You will be asked for the default administrative password, which is "**password**." Enter it, and then click "**OK**."

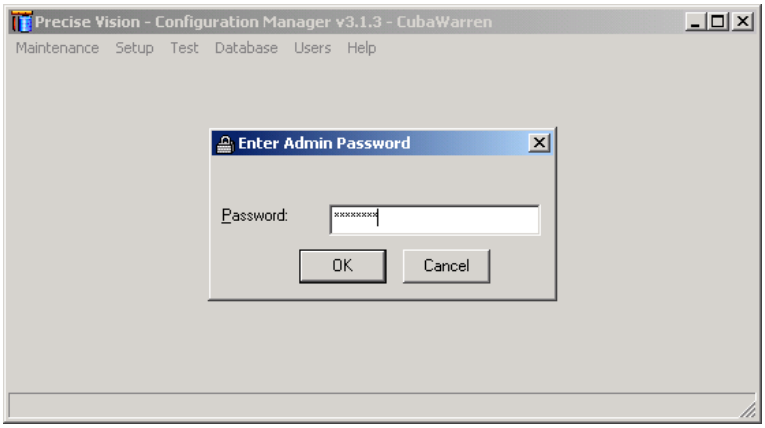


Go to the "**Setup**" menu and click on "**Passwords**."

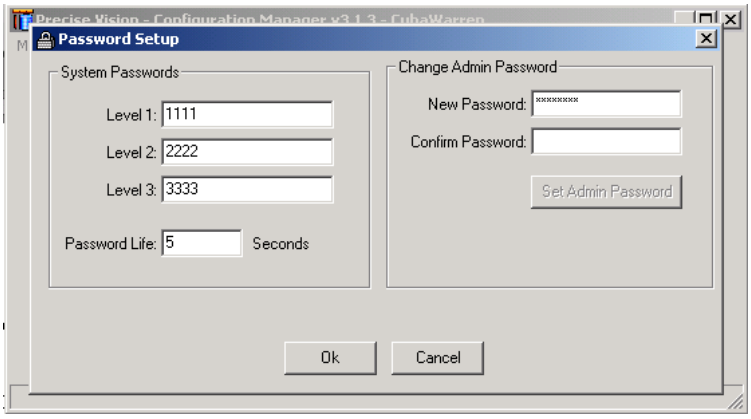


Enter the Default Password

You will be asked for the default administrative password, which is **password**. Enter it, and then click "**OK**."



Use the "**Password Setup**" screen to enter new passwords in each field. Each password should be four to ten characters long. Passwords are not case-sensitive. You may change the password life, but most users never need to make adjustments. The default is five seconds. That means that once you enter your password, you can execute other functions within five seconds without having to re-enter your password. When you are done setting up all four passwords, click "**Ok**."



Record Your New Passwords

If you change your passwords from the defaults, use this space to write them down. There is no factory level password we can issue to get you in if you forget the password, so it is important to document it.

Password Level	Default Password	Your New Password
Level 1	1111	
Level 2	2222	
Level 3	3333	
Administrative	password	

Chapter 3: A Precise Vision Tour

Before you begin to build your Precise Vision system for your installation, let's take a few moments to explore Precise Vision' features and user-friendly interface, and get a feel for how the system operates, what type of information will be displayed, and just how easy it is to set up and use Precise Vision software. This chapter will give you a guided tour of some of Precise Vision's most popular attractions. The more familiar you are with the look and operation you are trying to get to, the easier it will be to understand that operational need as you build the screens and layout.

The System Watch Screen

The center-point for the operation of Precise Vision begins from a program called “System Watch.” When monitoring a fire control system, System Watch is the screen that will display those events happening on the fire alarm system. It is from this screen that interaction will begin. Since this is the starting point, this screen is one of the first things you may want to customize.

On the System Watch screen (shown below) Events are color-coded by type of Condition, or Event.

- Alarm Events are shown in Red.
- Non Fire-Alarm Events are shown in purple. (These are typically events programmed as “Supervisory” in the Control Panel.
- Trouble Events are shown in yellow.
- These colors are the default setting. You can change them to display in any color or font you prefer later.

Each event also shows text describing the type of Condition, which device on the system reported this event/activation, a brief description of this device, the time the event occurred, the type of device reporting the event, the “Node” the device is connected to, and the Location of the event.

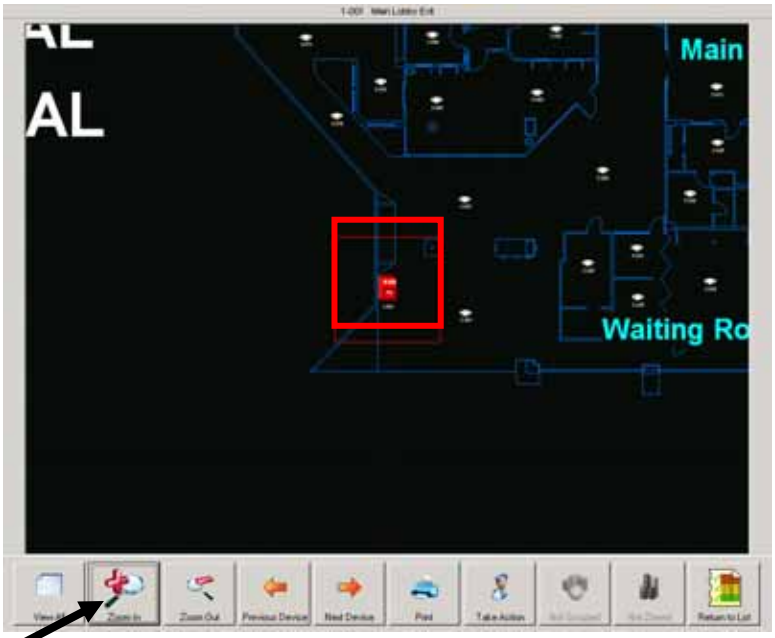
You can “***Double – Click***” on any item in the list to see it located on a floor plan. In this instance, ***double-click*** on the first item in the list, “Pull Station Front Lobby”. Of, you can ***single-click*** on it to select it and then click on the “**Locate**” button at the bottom of the screen. If you are using a touch screen, you could simply touch the line of the event you wish to view, then touch the “**Locate**” button..

Zoom In

You will see the active device blinking on the floor plan, as well as a box around that device blinking to help locate the device easier on the screen shown below.

See Device Images

Click the "**Zoom In**" button on the bottom of the screen above and you will be able to see an image of the device that is in alarm.

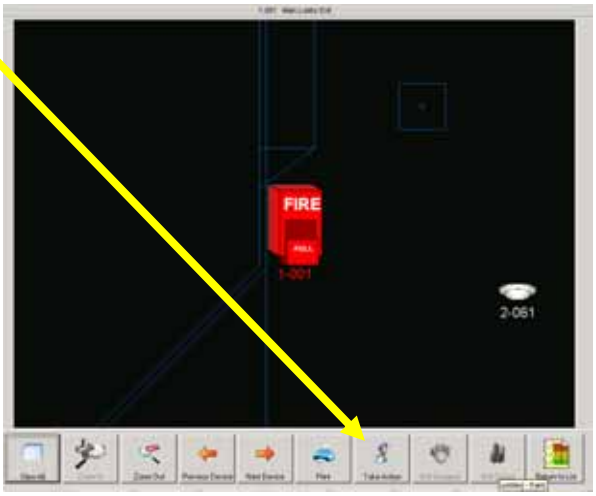


Click the "**Zoom In**" button again on the bottom of the screen above and you will be able to see an image of the device that is in alarm, as shown on screen below. If still not big enough, you might be able to click "**Zoom In**" again.

Maximum Zoom

Once you have zoomed in as much as possible, the "**Zoom In**" button will be grayed out.

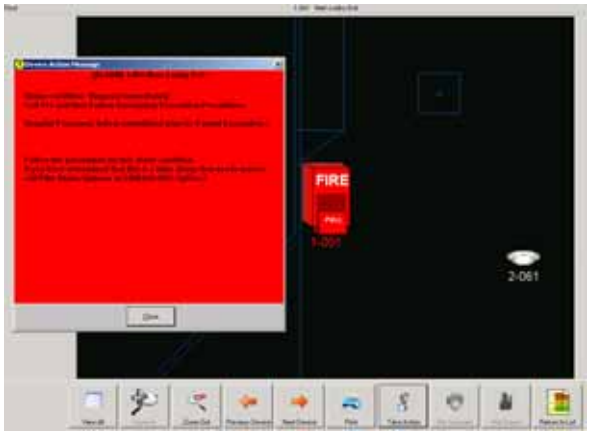
Now click the "**Take Action**" button to see the emergency message associated with the alarm.



Helpful Hint: The actual amount of magnification of the device and the number of steps you can "**Zoom In**" on a device is set by you as you build the configuration of this screen later in this manual.

"Take Action" Messages

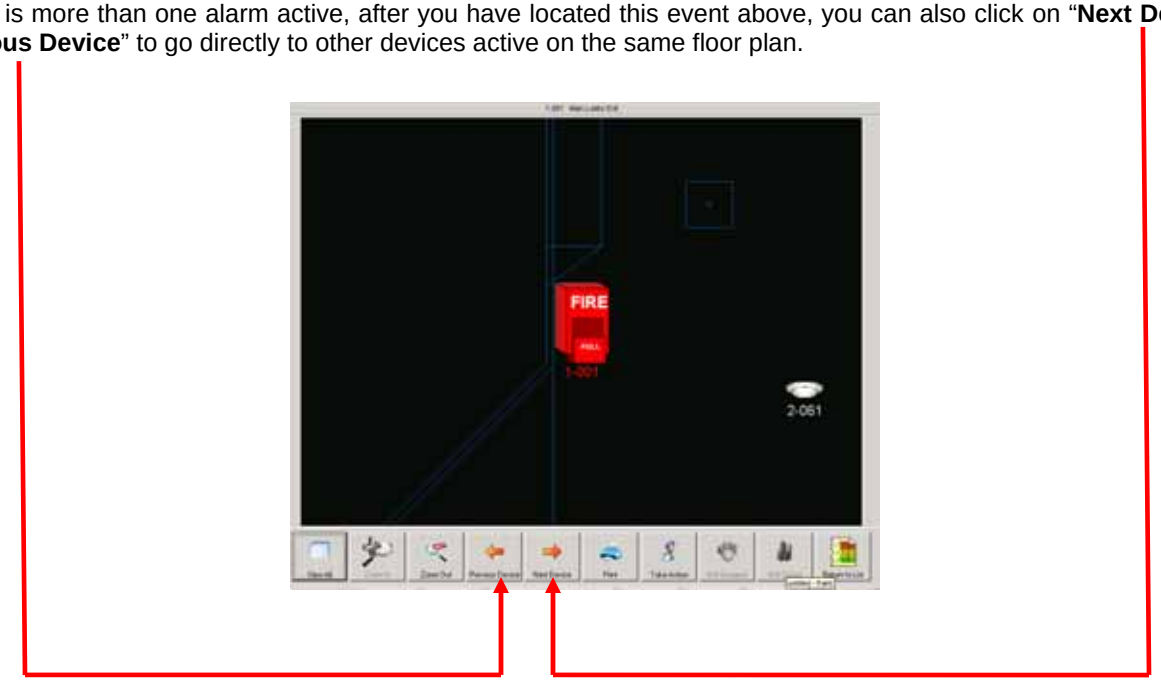
Before or after you have zoomed in on a device, you can simply *double-click* on the active device or *single-click* on the "**Take Action**" button at the bottom of the screen above to bring up a "Device Action Message." This message will be totally customizable by you later, and will display much more specific information about that device. (See Chapter 8)

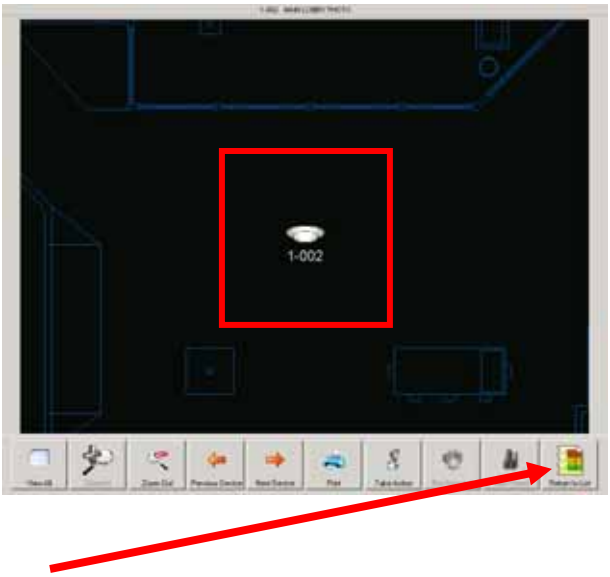


Read the "Device Action Message," and then click the "**Close**" button. You can click on the "**Zoom Out**" navigation button to return to the floor plan…or click on "**Return To List**" to go back to the color coded list of alarms and events.

Helpful Hint: Whenever a device is in trouble or alarm, you will see it blinking on the floor plan. You do not need to click on the "**Take Action**" button to get the emergency message — you can also click directly on the image of the alarm, and the action message window will appear.

If there is more than one alarm active, after you have located this event above, you can also click on "**Next Device**" or "**Previous Device**" to go directly to other devices active on the same floor plan.





You can also click the "**Return to List**" button to go back to the color-coded list of alarms and devices (System Watch).

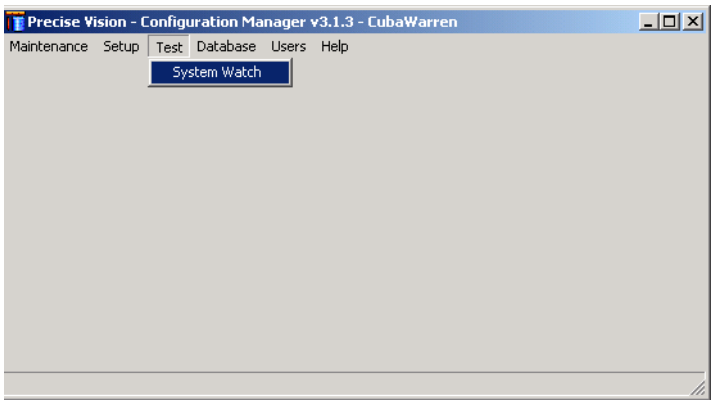
This page intentionally left blank

Chapter 4: Customize Your Precise Vision System

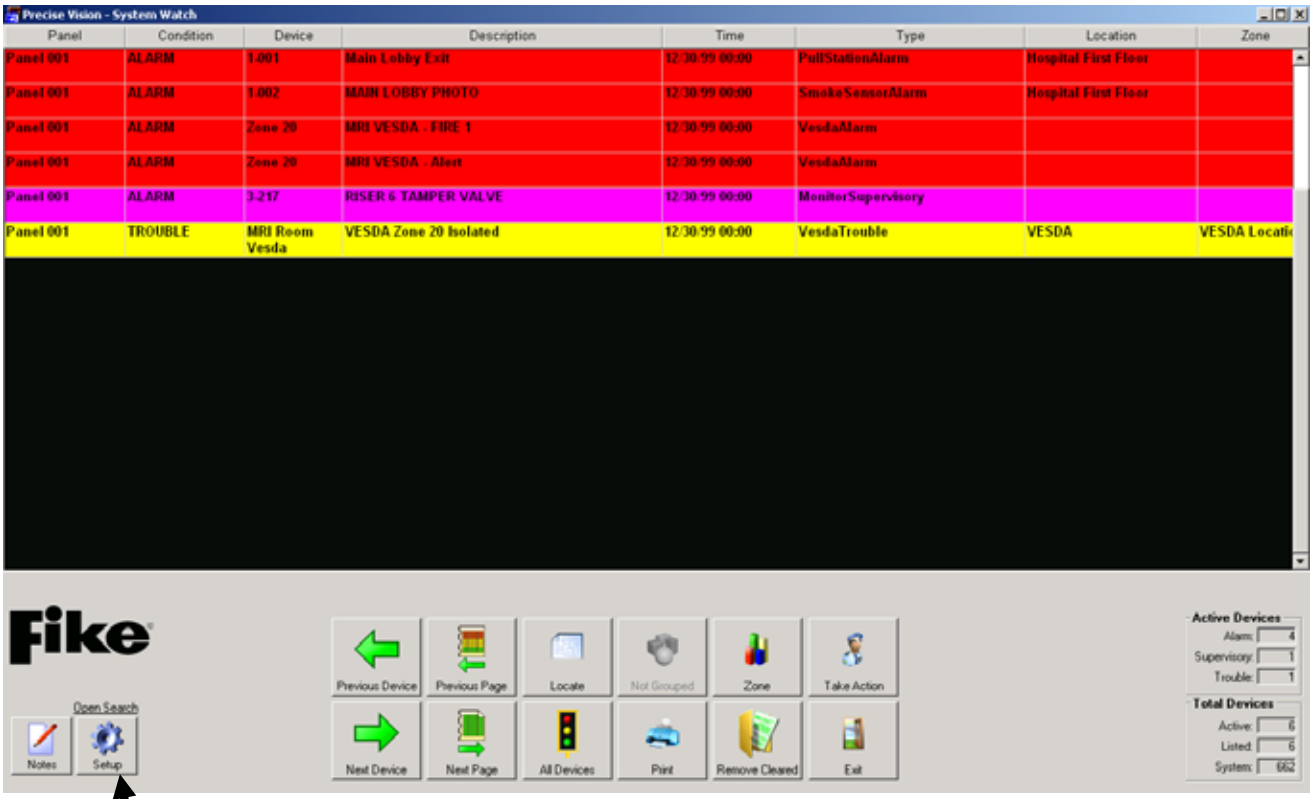
Precise Vision is easy to customize. You can adapt the software to meet your needs and change the look to suit your taste. This chapter will show you how to make the System Watch screen work for you. Most people start customizing Precise Vision by changing the appearance of their Precise Vision screens. The next few pages will show you how to change the appearance of your System Watch list. After you have worked with Precise Vision for a while, and you are comfortable with the interface, you can customize your system even more. *(For more details, see the Chapter 15 in this Guide.)*

The System Watch List

Start customizing your Precise Vision system by opening the Configuration Manager program, and Go to the "**Test**" drop-down menu and choose "**System Watch**."



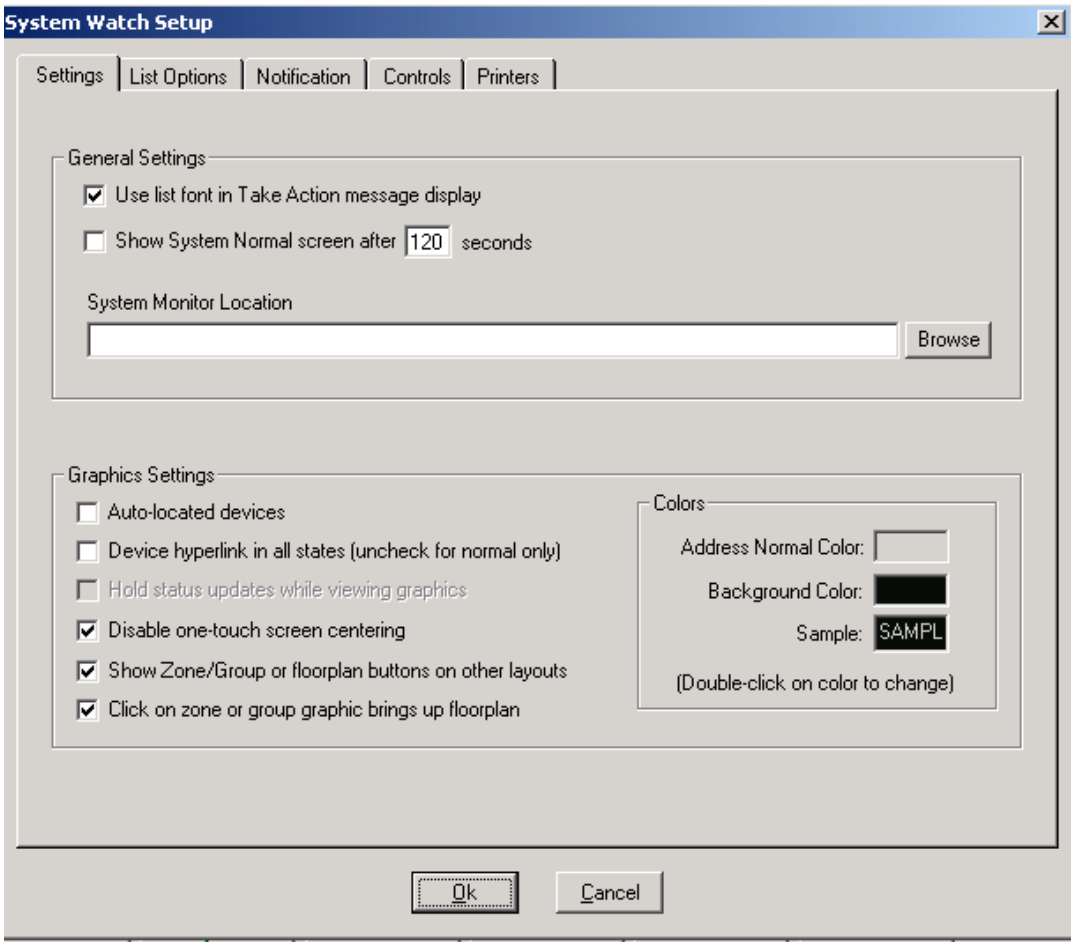
You will see System Watch running in test mode.



Click the "**Setup**" button in the lower left-hand corner.

System Watch Settings

Once you click on the System Watch "**Setup**" button, the "System Watch Setup" window will open. The first tab, "**Settings**," includes a number of options.



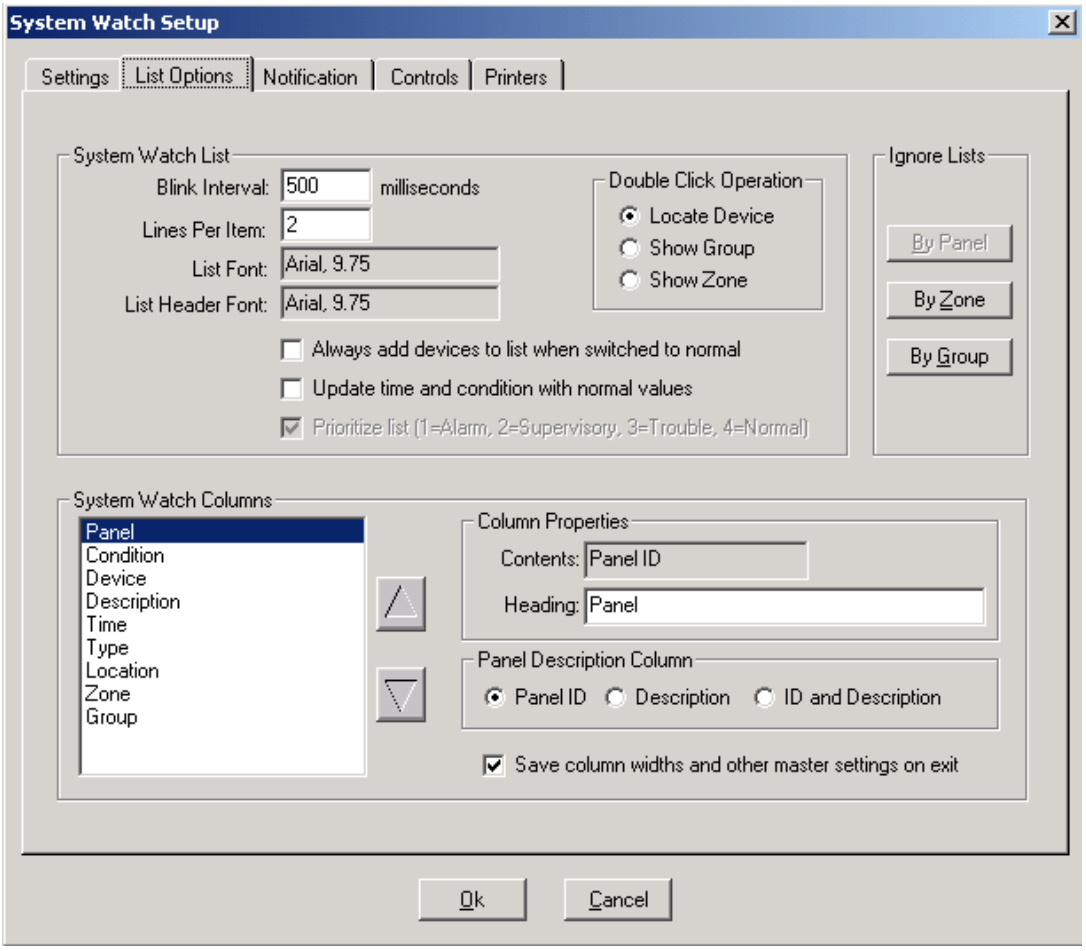
Study the illustration on this page, and you will notice several things:

- Look at the "General Settings" options. If you are a beginner, check the first box, so you'll use the same font for your device lists and your "Take Action" messages.
- Look down at the "Graphics Settings" list. Disable the one-touch screen centering option, because it seems to make the floor plan jump around unexpectedly and it confuses most new users —- especially if they are using a touch screen computer. If you will be setting up Groups or Zones on your system, you might want to check the bottom two boxes so you can view the group or zone and have the LOCATE button on those screens so you don't have to return to System Watch list of events to then locate that device. You can try the differences later when you have your groups or zones setup.
- Finally, look at the "Colors" section. Double-click on either the "Address Normal Color" or the "Background Color" box to try new combinations. Black background and white text on floor plans work well for most users. It will depend on how your color your drawings and pictures later.

When you are through with the "**Settings**" tab, click on the "**List Options**" tab.

System Watch List Options

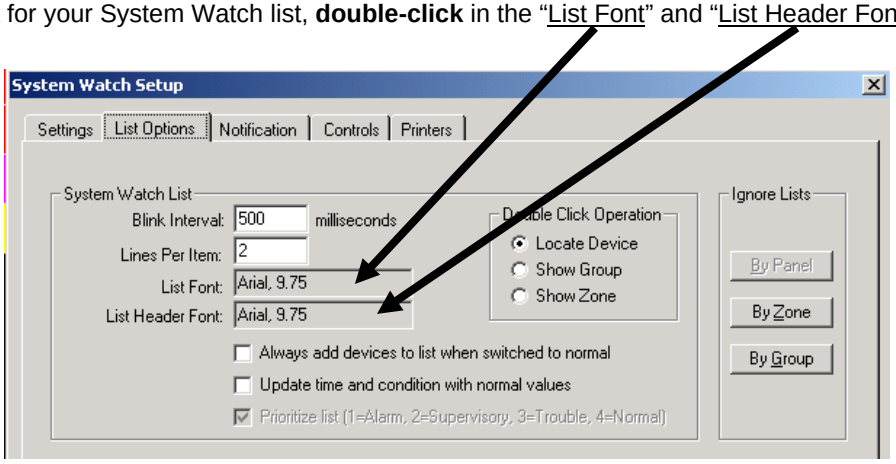
Now that you can see the "List Options" screen, set your list options as shown, including a check mark for "Save Column Widths on Exit." If you are going to modify the looks of the System Watch screen, make sure to mark this box or next time you open System Watch, they will go back to what they were before you made the changes.



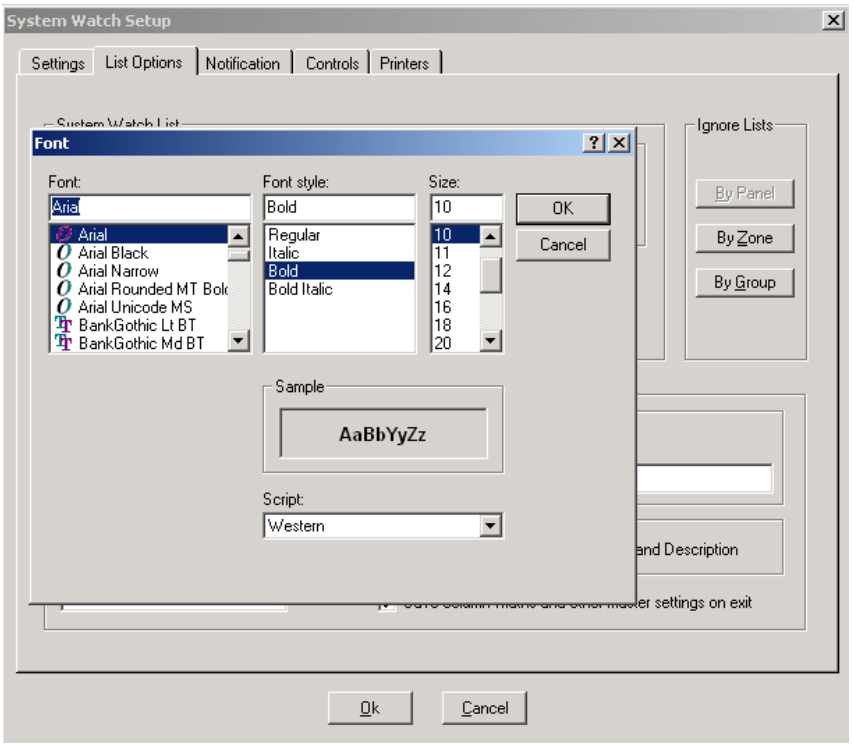
- The "Blink Interval" setting determines how fast an active device will flash on screen.
- The "Lines Per Item" setting controls the height of each box of text used to list a device. If you choose to use multiple lines of text, the lines will wrap automatically.
- If you use a single Precise Vision station to monitor alarms from a number of buildings, you can set Precise Vision to ignore some alarms. You can filter alarms by Panel, Zone, and Group.

System Watch Fonts

To change the font for your System Watch list, **double-click** in the "List Font" and "List Header Font" fields.



You may use any standard Windows font you like; we recommend Arial, regular, 10 point for items in your list, and Arial, bold, 11 point for the header font.



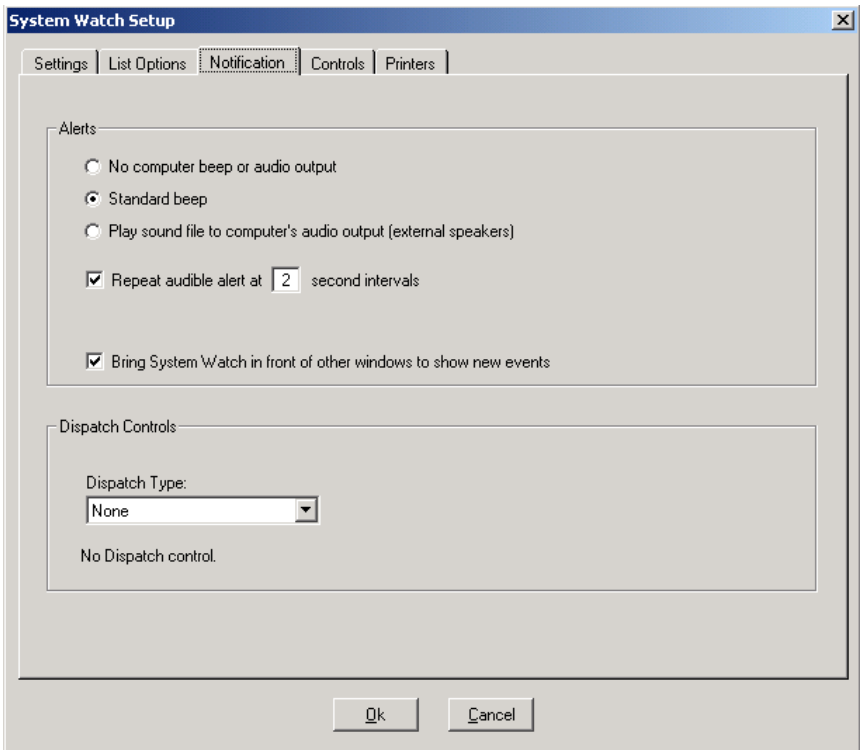
Choose new fonts for both your list items and your headers, and then click "**OK**" to close the "Font" window and return to the "List Options" screen. If the new fonts you chose do not meet your preferences, you can go back and change again at any time.

Then go back to the top of the System Watch Setup window and click the "**Notification**" tab to proceed.

Helpful Hint: You might notice that you are not able to use this window to choose font colors. Color settings are determined by the state of each device in Configuration Manager.

Notification Options

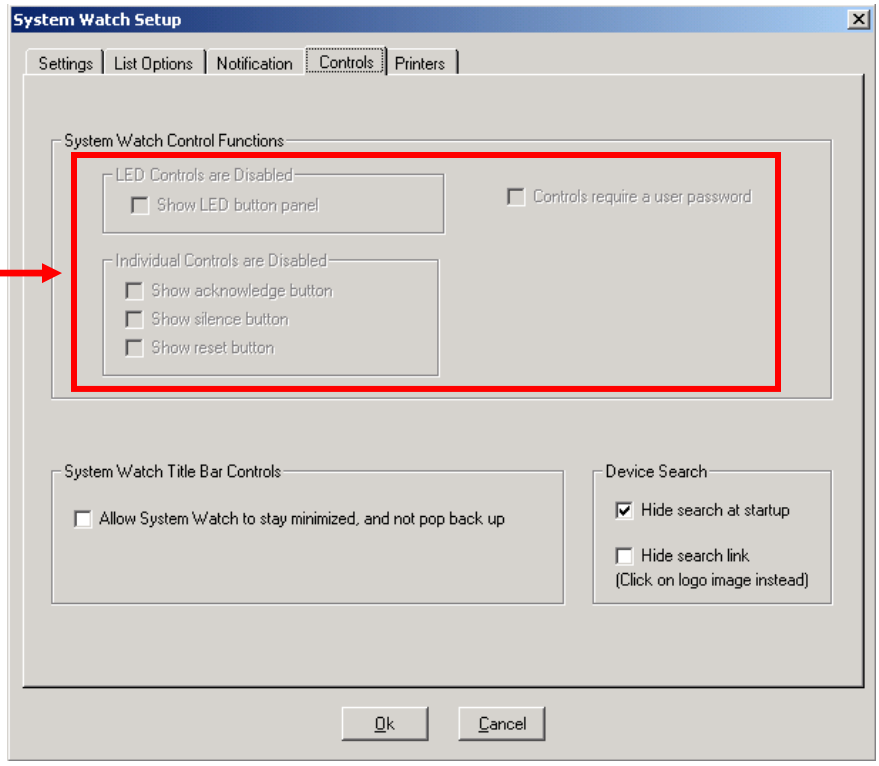
You will use the "Notification" tab section to choose whether your system will play an audible alert during trouble and alarms.



- To hear an audible alert, click "Standard Beep."
- To assign specific sound files to play when devices are in trouble or alarm, click "Play sound file….." The specific WAV file played is selected in the setup of your devices. This will allow that WAVE file to play on system speakers.
- To repeat the audible alert until the alarm has been cleared, you can determine how often that sound of "beep" will repeat. By default it is set to 2 seconds.
- To force Precise Vision' System Watch screen to come to the forefront on a new alarm or trouble — interrupting other Windows programs — check "Bring System Watch to Top."
- If you license Precise for the optional Email capability, the Dispatch Controls choose the type of control that the System Watch user has over email alerts. Emails may be sent automatically, and the System Watch user would need a way to pause and purge messages. Or, the email may be sent only when the System Watch user decides to send a message about a particular event. In that case, choose "Manual." The other option is "None." If "None" is chosen, then the System Watch user has no overriding control over messages that are sent.

Control Options

You will use the "Controls" tab section to allow selected levels of control for each System Watch station.



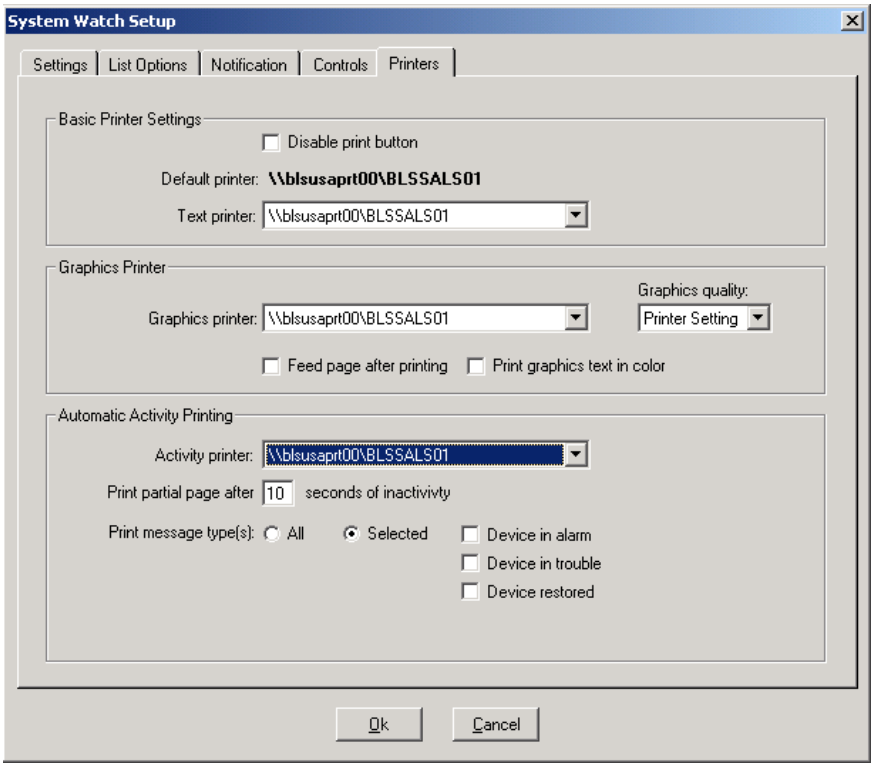
- If you are an expert user, you might want to check "Allow System Watch to stay minimized." You'll probably want to minimize the screen while you set up your system. When you're through setting it up, however, uncheck the box to ensure that your Precise Vision computer will run continuously as a monitoring station. Use this with caution as the purpose of this software it to monitor the operation of you Fire System, so if an event occurs, you want the system to display that event by "popping" back up.

- The "System Watch Control Functions" inside the box above only relate to UL-listed systems. If you have the software licensed for the UL Command and Control functions, you have the ability to only check the box that says "Show LED Button Panel." UL does not allow us to use the other selections to determine exactly which button will be displayed. It also does not give you the option shown to deselect "Control Requires a User Password." UL requires certain levels of protection on a fire system, so the control of that panel from Precise will require a password upon activation of that command before the panel will respond to it. If you are not using the UL version then all selections in this box will be "grayed out" since these functions are inoperable.

- The Device Search control allows you to hide the search window, which will leave more screen space for the main System Watch screen. An optional Search link can be shown as a reminder that search function. In any case, the Device Search window will appear if the user clicks on the system logo.

Printer Options

You will use the "Printers" tab section to set your printing preferences.



- If your Precise Vision computer isn't connected to a printer, you may want to check "Disable print button" as a reminder that nothing will print by pressing the button.
- The Basic Printer Settings allow you to choose the printer that will receive text-based printouts such as the device list and reports.
- The Graphics printer option selects the printer that will print floor plans, zones, and group graphics screens.
- Automatic Activity Printing determines which printer will print event logs. You can then select what type of events will automatically be printed. If needed, you could select ALL and all events will print, which can often be lengthy.

When you have set up your printing preferences, click "**Ok**" to close the System Watch Setup window and see the changes you have made to your System Watch list.

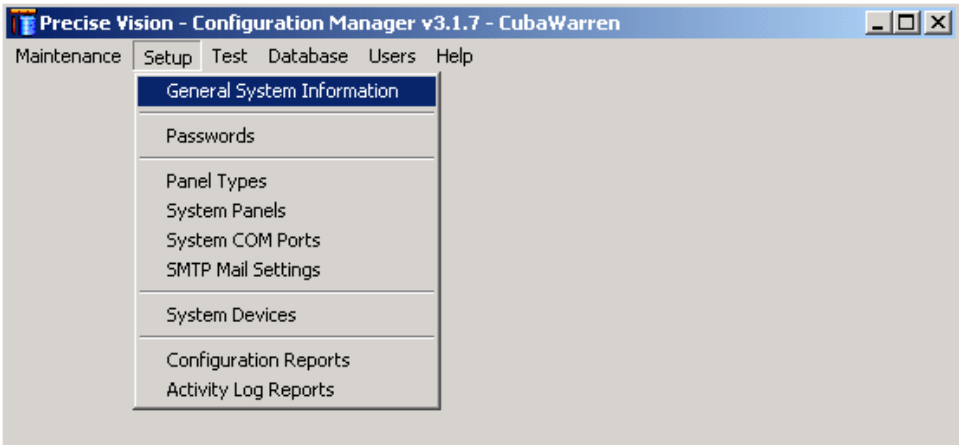
Chapter 5: General System Information

This is where the real fun begins. As you set up general system information, you will start customizing your Precise Vision system specifically for your site. If you are working with a Precise Vision demo program, you will be getting a head start on system setup. The information you enter here will stay in your system, and be fully functional even after you activate your software.

General System Information

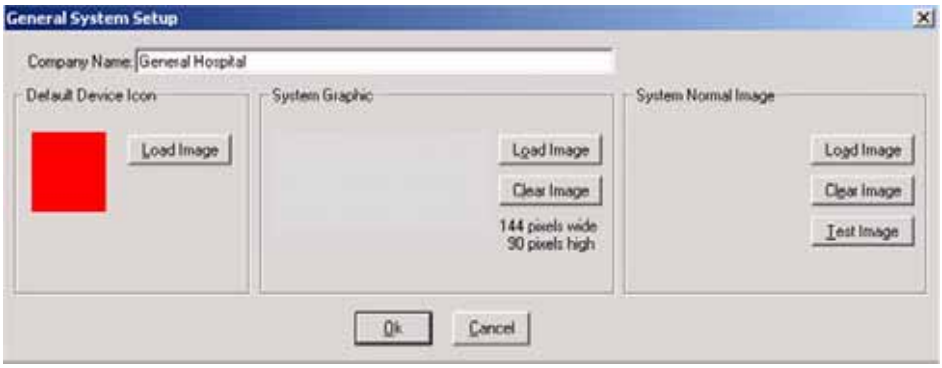
As you continue to customize your Precise Vision system, you will find yourself entering more and more details about your facility. You will enter some of those details by modifying your General System setup.

To modify your General System setup, make sure Configuration Manager is running. **Open** the "**Setup**" drop-down menu, and click on "**General System Information**."



Company Name

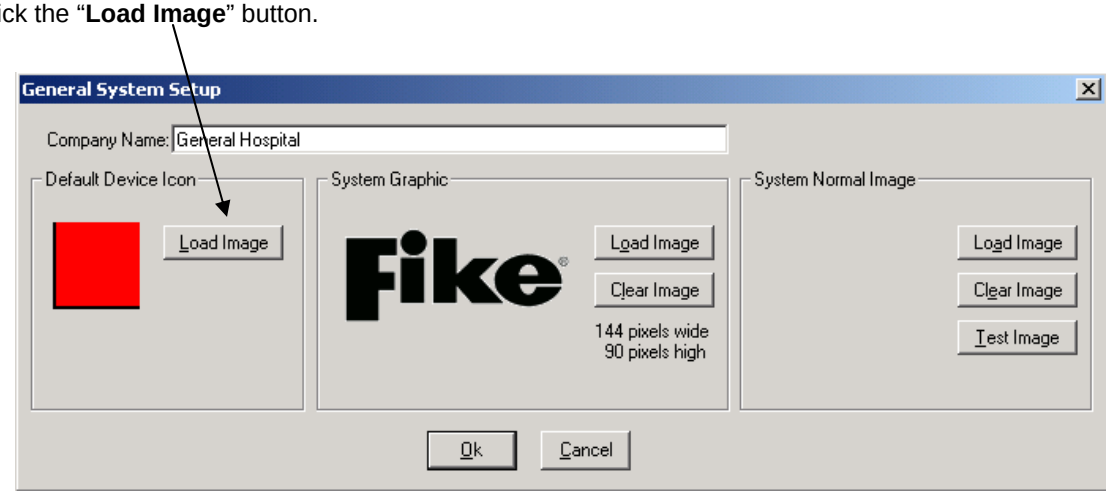
Enter your company name exactly as you want it to appear throughout your Precise Vision system. You can change your company name until you activate your copy of Precise Vision. **Once the software is activated, the name is permanent. (See Appendix A for activation instructions.)**



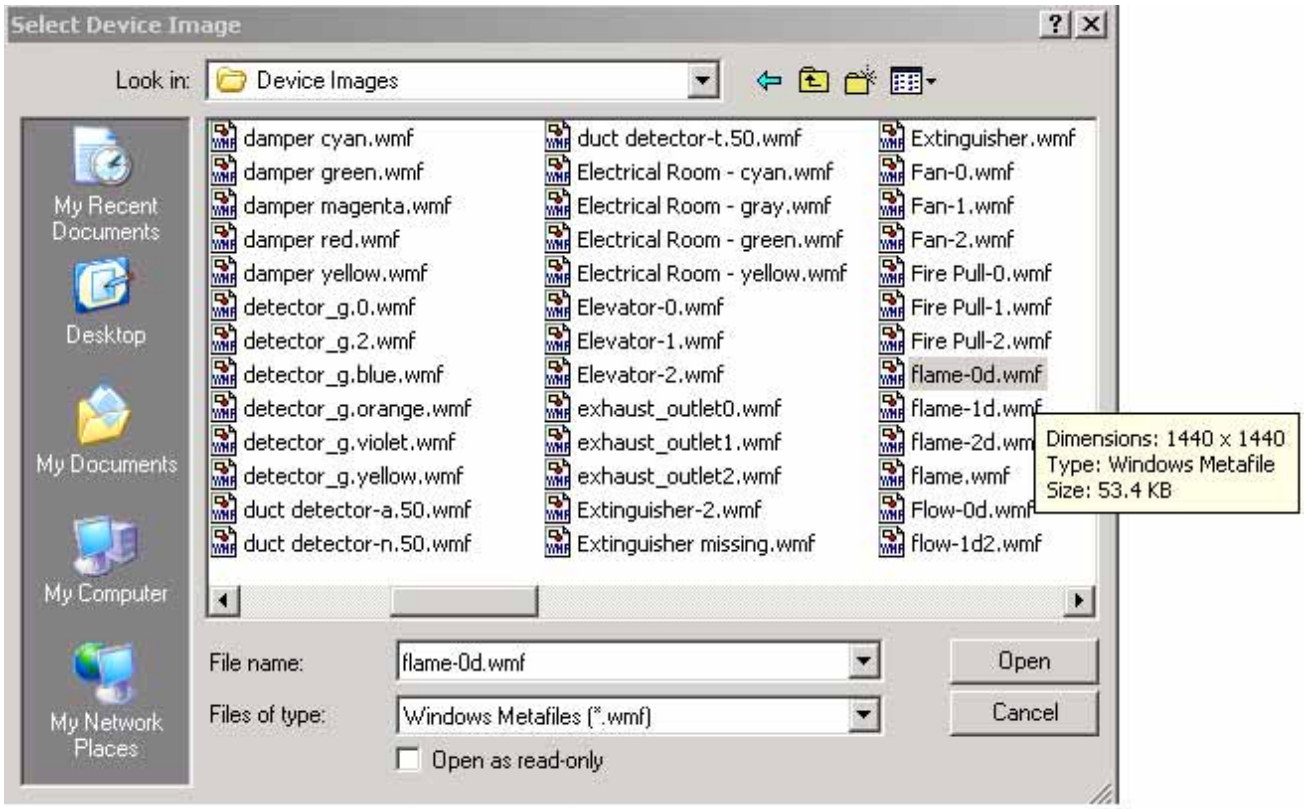
Default Device Image

The default image for devices in your system is a red square. Until you assign specific images for each type of device in your system — such as smoke detectors and intruder alarms — Precise Vision will use the default image to show devices on your floor plan. While most users do not change the default image, it is easy to replace.

First, click the "**Load Image**" button.

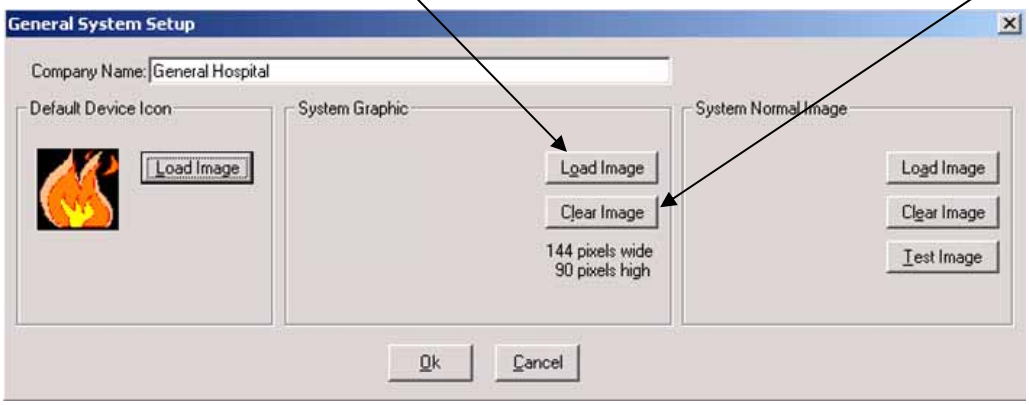


A "Select Device Image" window will open. You can browse to any Windows metafile image file on your computer, or choose a new default image from the Precise Vision "Device Images" folder. (We recommend that images be formatted as Windows metafiles, or WMFs.) Now you can select a new image from the Device Images folder. In this example, "Flame.wmf" will replace one of the default images, "Solidred.wmf"



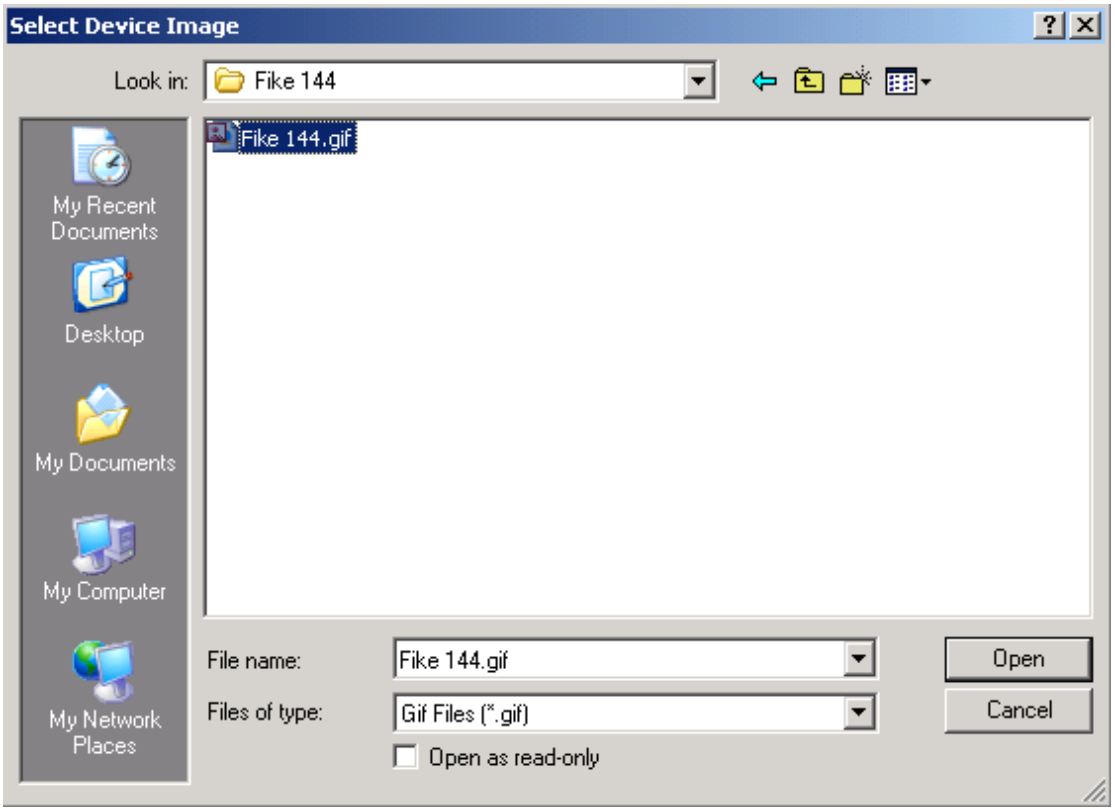
Your Company Logo

You can use the "General System Setup" screen to import your company logo, so it will be displayed on your System Watch screen. To insert your logo, click "**Load Image**." (If you do not want to display a logo, click "**Clear Image**.")

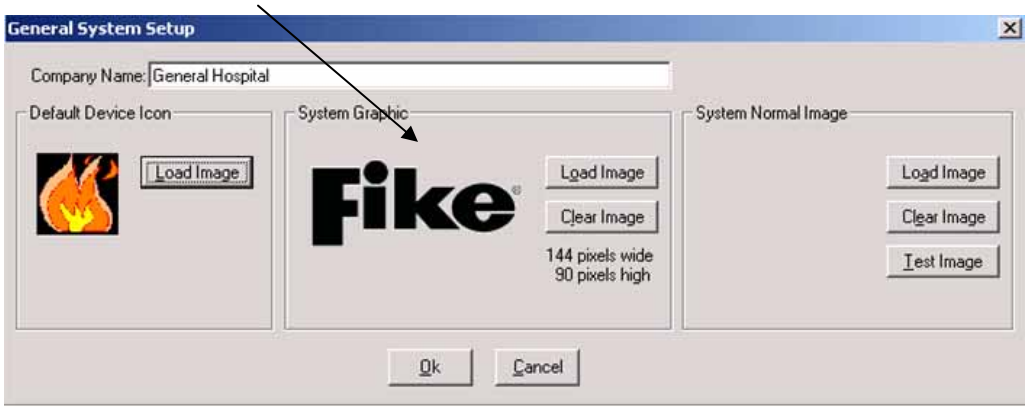


Helpful Hint: Logo files should be 144 pixels wide by 90 pixels high. You can create and edit logo files in most drawing and paint programs. Transparent outer edges usually look best against the various grays of Windows backgrounds.

Find the logo image of your choice, and click "**Open**."

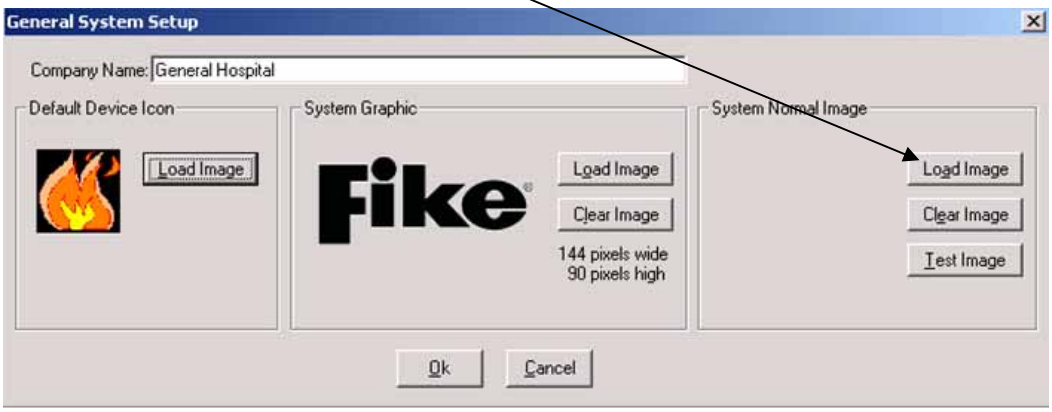


Your logo will appear in the "System Graphic" section of the setup window.

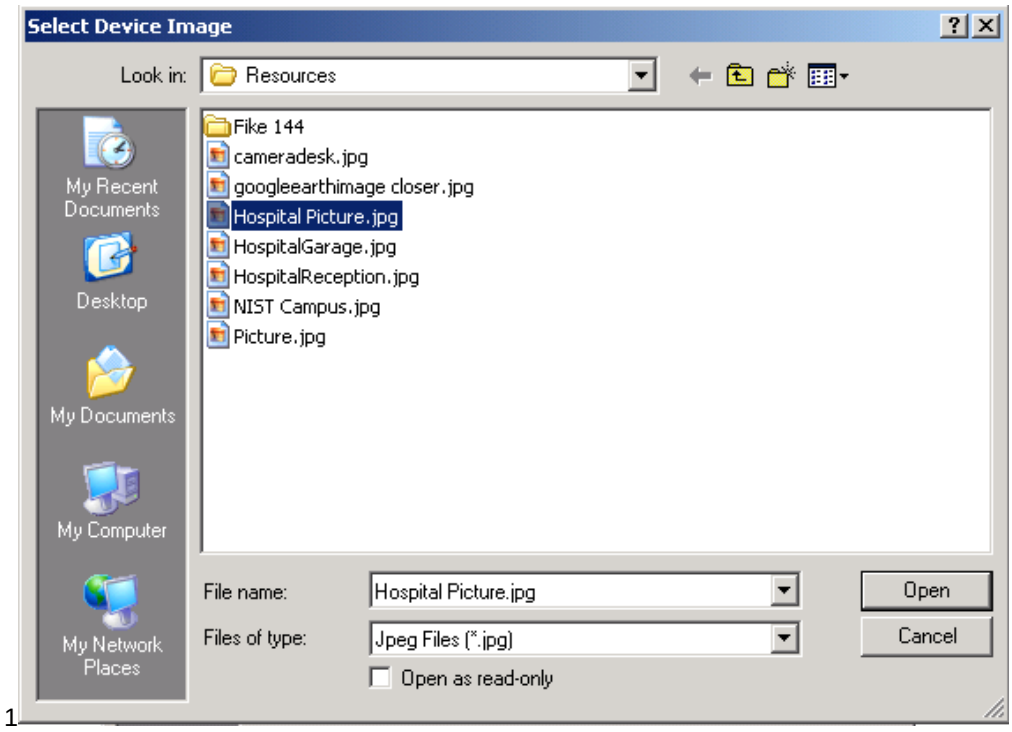


Your "System Normal" Image

You can choose a "System Normal" image to be displayed whenever there are no active devices in your system, just like a screen saver. First, click "**Load Image**." (If you do not want to display an image, click "**Clear Image**." Then, when your system is in normal status, the screen will simply be blank.)

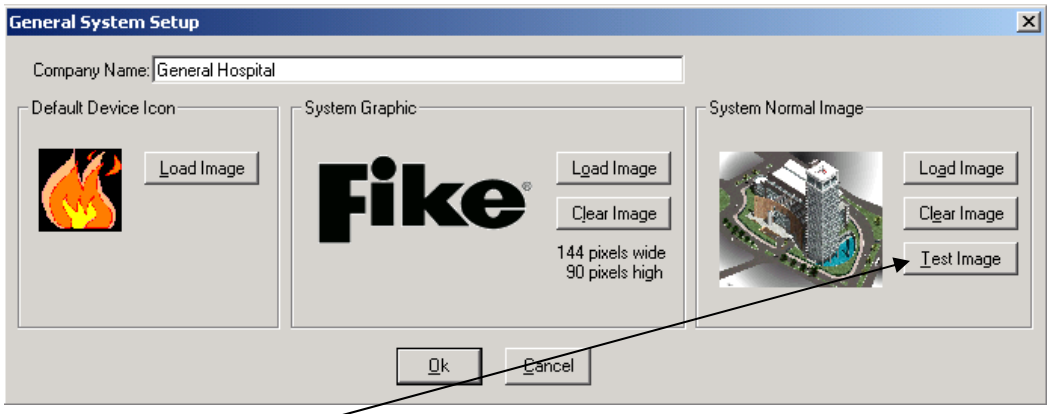


Browse to the picture you want to use and click "**Open**." You can use any digital photo or graphic you like. We recommend using a Windows metafile, because WMFs are generally smaller than other file formats.



1

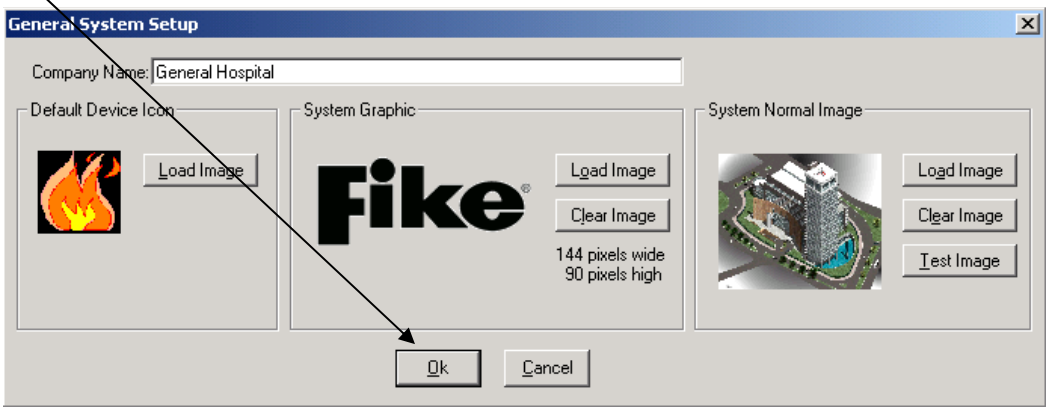
Once you have clicked "**Open**," a thumbnail image of the photo you have chosen will appear in the General System Setup window.



Click "**Test Image**" to see how the photo will look on your screen.

Your new “System Normal” image will fill your screen. Click the “**X**” in the top right-hand corner to close the test image.

Click “**OK**” when you are finished setting up your general system information.



This page intentionally left blank

Chapter 6: Add Devices

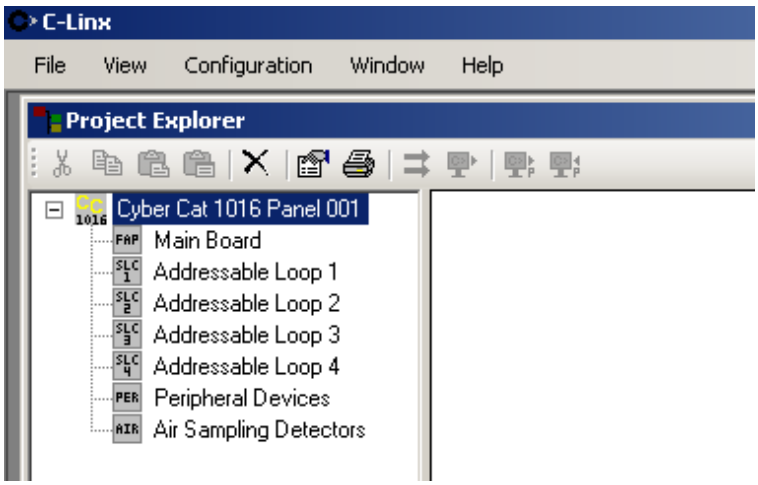
With Precise Vision, you can describe your alarms and devices in plain English* that the user can understand, add emergency instructions, add sound files, and place them on maps and floor plans. You can even add closed-circuit television cameras and web-based information, so they can be monitored and seen from your Precise Vision monitoring station. This chapter will show you how to add a wide range of alarms and devices to your Precise Vision system.

* **Helpful Hint:** The device descriptions noted above can actually be made in any language. Appendix C of this manual helps converting to Spanish, but any language you can type can be used for the device descriptions and labels.

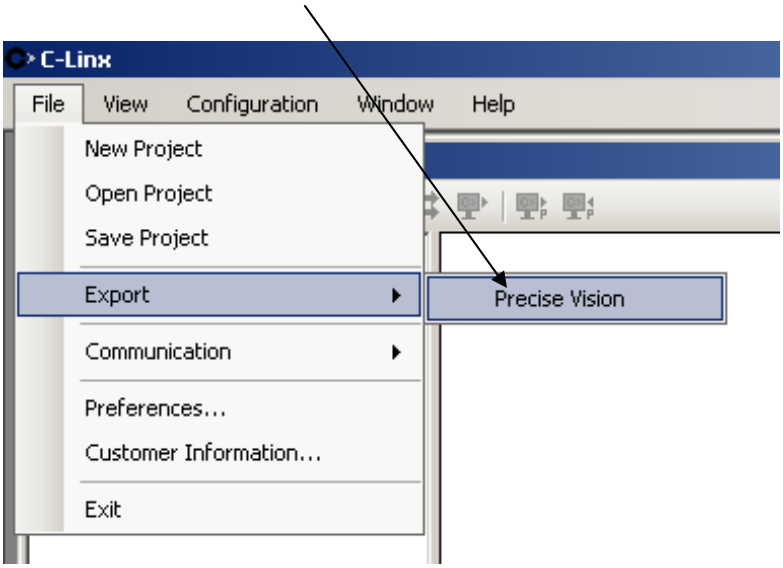
Adding Devices Using Your Pre-Built C-Linx Configuration

If this graphics is connecting to your CyberCat or Cheetah Xi Control System, you are going to have to build a configuration in C-Linx (Fike's Configuration Software) for that control panel anyway for it to operate, so simplest way to get your Precise Vision system started is to simply add the devices already built in C-Linx directly into this Precise Vision graphics configuration. This must be done using C-Linx Software Version 4.0 or later.

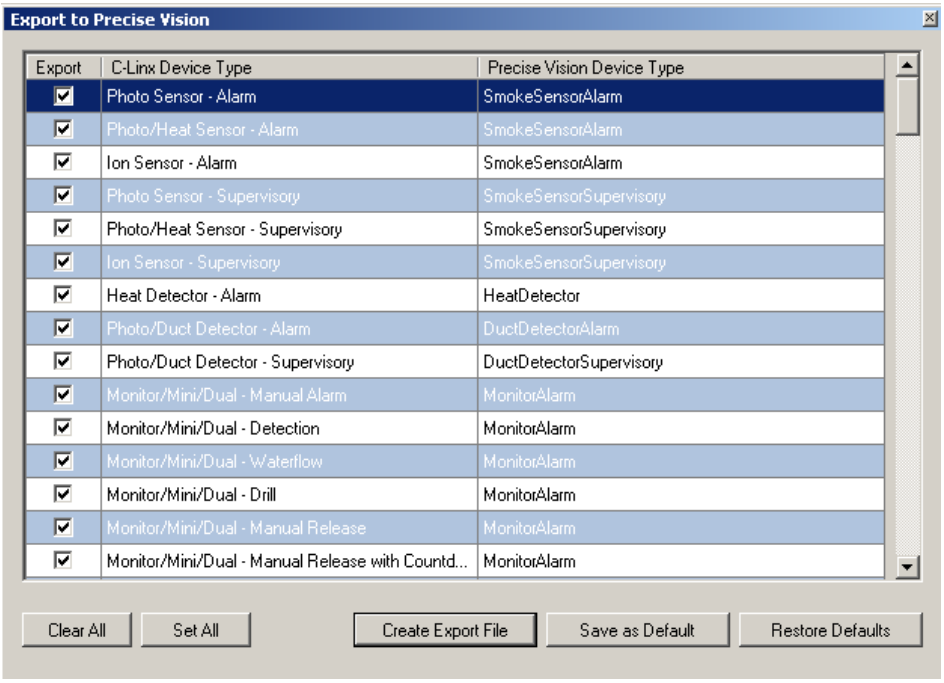
First, **open** your configuration in C-Linx.



Then go up to "**File**" and choose **Export,** ▶ **Precise Vision**.



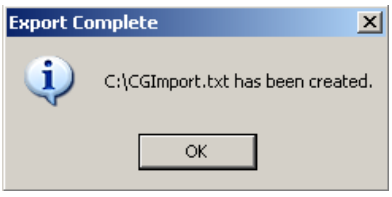
This will let you select what part of the configuration you want to use in Precise Vision Configuration. Export your entire configuration to a file you can then use to simply Import to Precise Vision. By default, all the addressable devices of your configured system are “checked.”



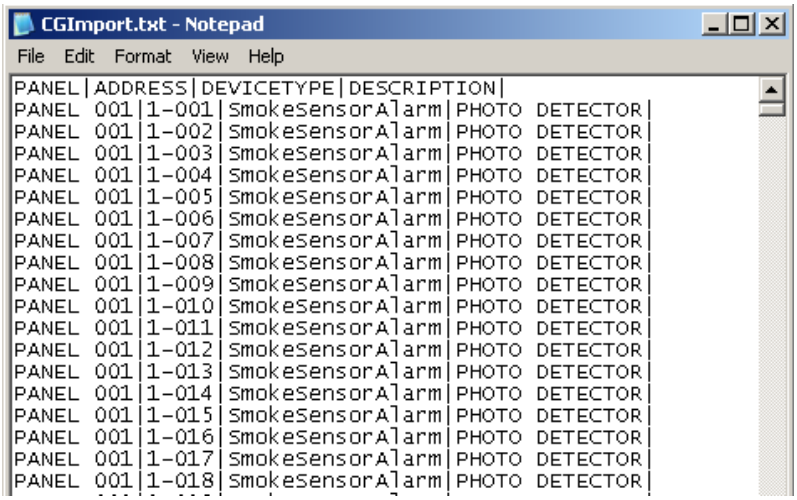
NOTE: Scroll down at toward the bottom of this list if you wish to include panel troubles or VESDA faults into Precise Vision. If desired to report these, make sure to check any item you want exported to use. You will then have the choice in Precise Vision on exactly what you wish to IMPORT, but if not exported from C-Linx first, then you would be forced to manually add later.

After selecting all the devices you wish to Export from C-Linx, click on 

above and you should get the dialog box shown below.



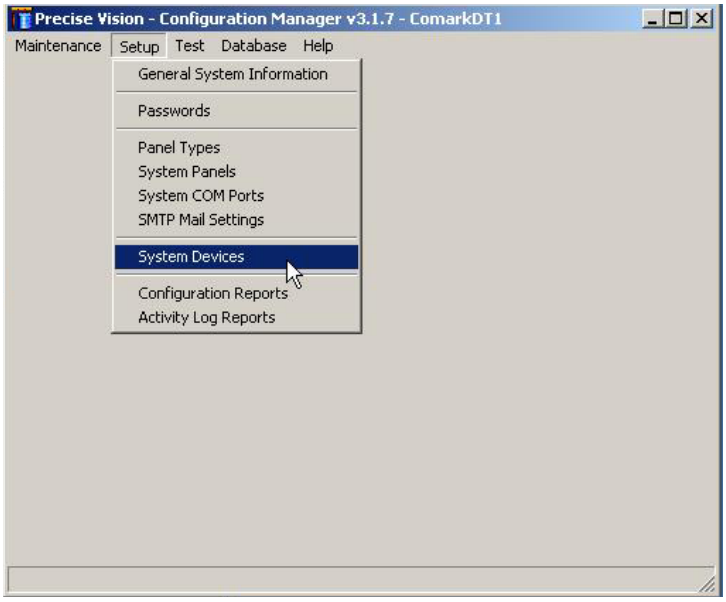
This indicates that the file you need with all your configuration information from C-Linx has been created and saved as **C:\CGImport.txt**. This is the file you need to know the location of later when pulling the devices into Precise Vision. You don't need to look at it, but if you went to this location and opened this Text file, it would look something like this:



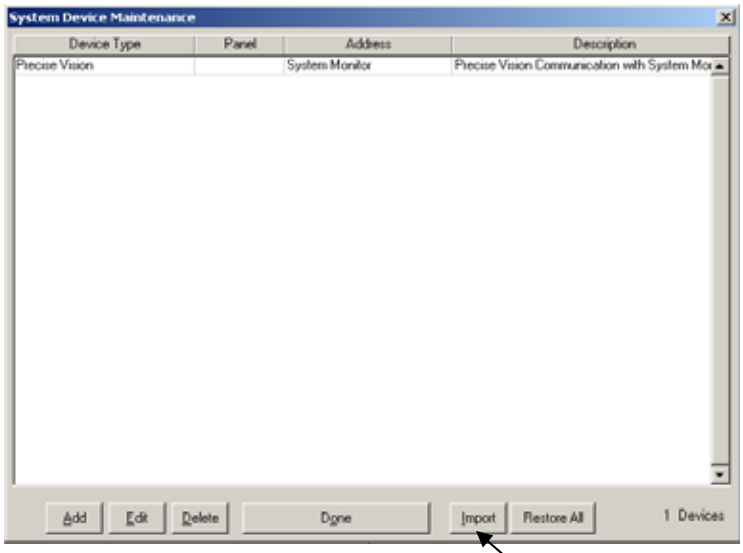
This shows all devices, the type of device, the address of each device, what panel it is connected to, and the Custom Message for each device given in C-Linx.

Importing C-Linx Configuration Into Precise Vision

You have built your panel configuration, and in the steps above have exported that configuration information into a file called **C:\GCImport.txt**. We can now pull all that into Precise Vision. We start by with Configuration Manager open.



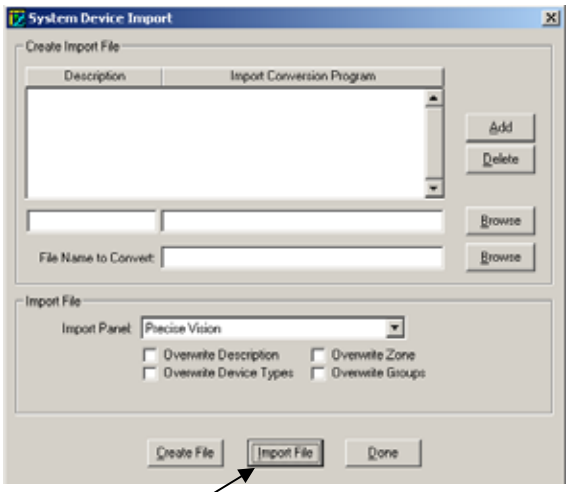
In Configuration Manager, we click on **Setup** → **System Devices** to get the screen below.



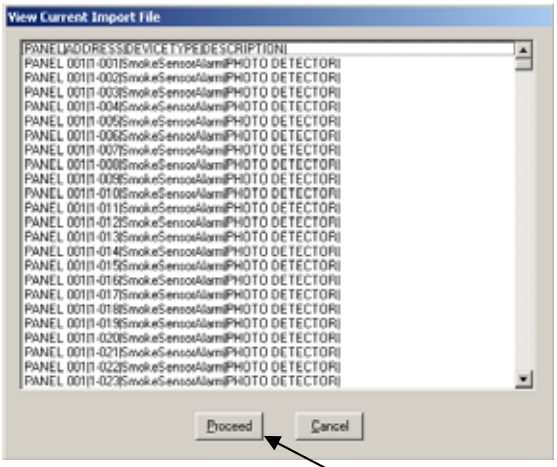
This list shows we have nothing in the system yet, except the Precise Vision Panel itself. **DO NOT DELETE** this Precise Vision device. To get the rest of all our C-Linx information in, we will click on the 

button.

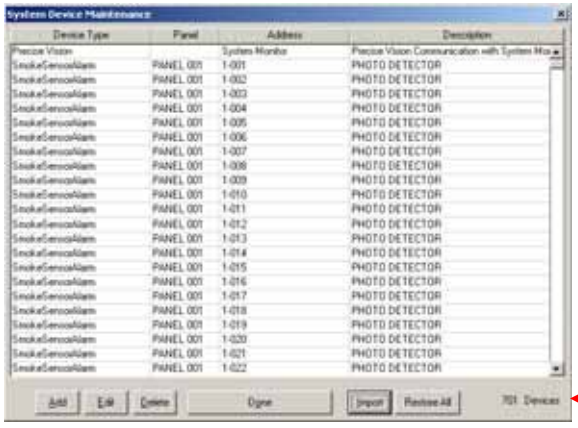
This will show the Precise Vision Import screen:



Precise Vision knows where it saved that CGImport.txt file when exported from C-Linx, so no need to fill out any of these boxes shown, simply click on 



This will show the list of devices that will be imported. You can see that all the devices that were in our C-Linx Configuration now also show on this list of devices, so we simply click on 

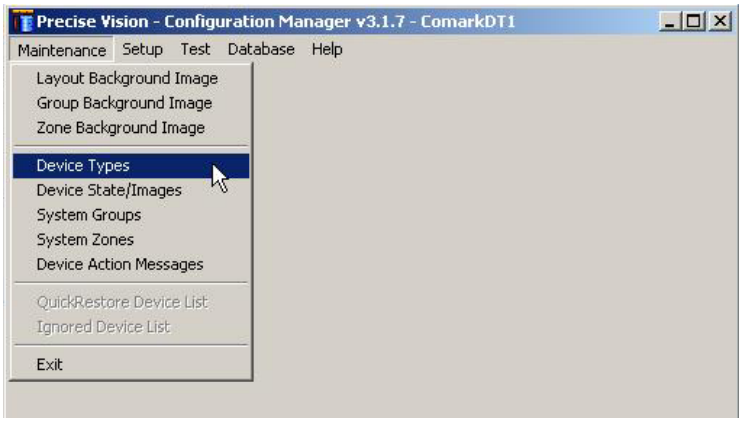


Now our list of devices in Configuration Manager that was blank before importing, shows all the devices that were in C-Linx, including the total number of devices imported and available to be used in your Precise Vision system.

List the Types of Devices on Your Site

Every device in your fire alarm system has an identification number, or *address*, that identifies it to the manufacturer's alarm panel. Devices are also labeled with device type and a description intended to clarify their location.

- Start by **opening Configuration Manager**.
- Go to the "**Maintenance**" drop-down menu and click on "**Device Types**."

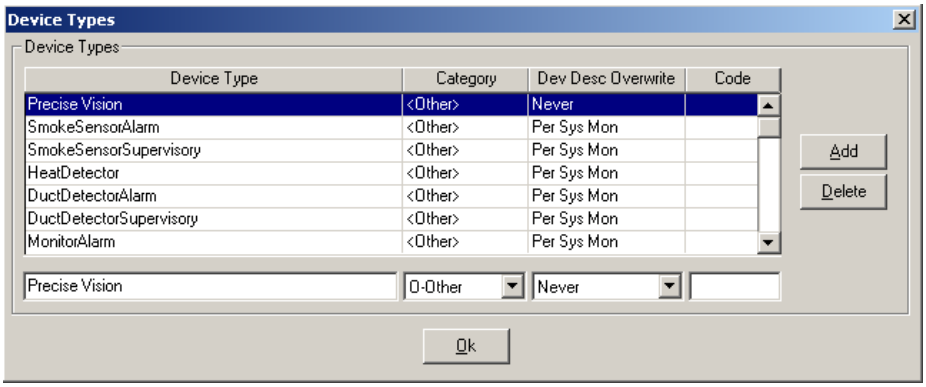


You will see a list of device types, ranging from panels and heat detectors to keypads and smoke sensors. Each device type has a corresponding category: "Detector" indicates that the device is a smoke, heat, or fire detector. "Module" indicates that the device is a control or input device, such as a manual pull station or a water flow switch. The "Other" category is used if the Detector or Module categories do not apply. The list is part of Precise Vision's default database. It may include most of the types of devices in your alarm system.

Review the list, because you will want it to include every unique type of device in your system.

Edit Device Properties

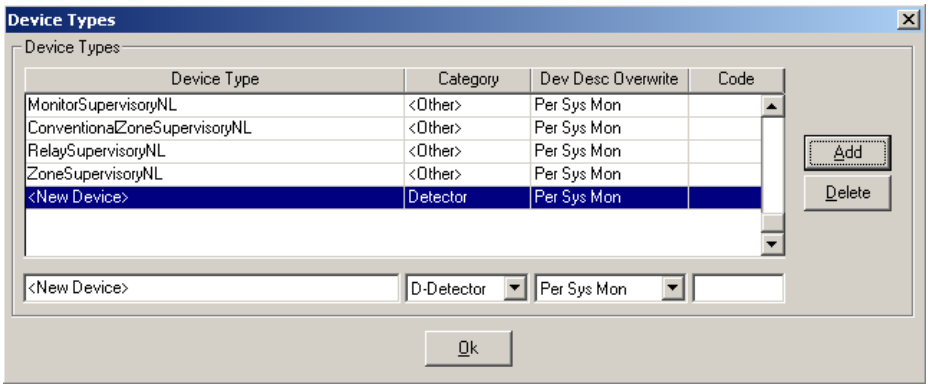
You can highlight any item in the list to edit its properties in the box beneath the list. Since this was imported directly from our configuration, it is not necessary to change the "category" type of the devices shown. This will be used later if you have to manually add a device.



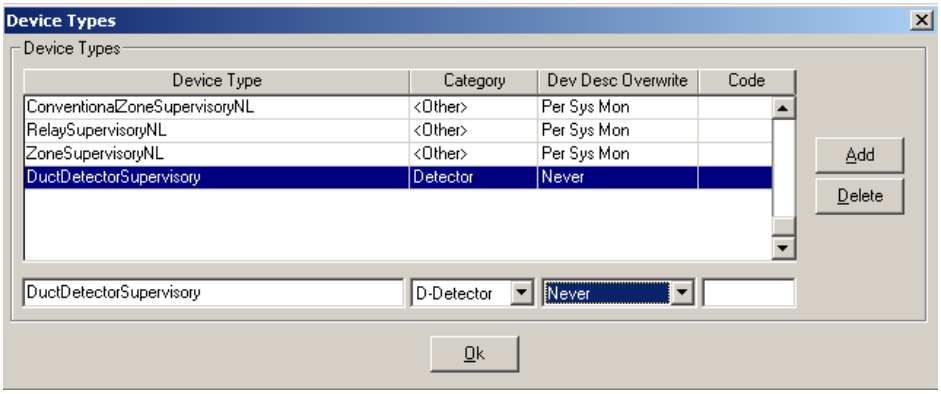
Helpful Hint: This is the screen where you can select whether you want the Device Descriptions you are entering in Precise Vision to not be allowed to be overwritten by the Control Panel Device Custom Message descriptions. If you do NOT want the control panel custom device message to replace the description you enter in Precise Vision, choose "Never" instead of "Per Sys Mon".

NOTE: This is done per Device Type, as shown above, **NOT** selectable by individual device.

If you have devices on your site that are not included in the list, click the "**Add**" button.



Use the edit box at the bottom to type in the name of each new device — a **DuctDetectorSupervisory**, for example. Simply type over the entry that says <New Device>.



The devices you enter are automatically added to the list.

Click the "**Add**" button to continue adding new types of devices. Click "**Ok**" when you are through.

Helpful Hint: The name you list for each device should exactly match the name it has been given on your fire alarm panels. If your panel lists a device as a "SmokeSensorAlarm," you should list it as a "SmokeSensorAlarm" in your Precise Vision system, too. If your system includes similar devices from two manufacturers but their names vary — "SmokeSensorAlarm" and "smoke detector" — be sure to include both variants in your list. If the names do not match up, you will discover the mistake during your first test of the system, because each device's corresponding "Device Type" in your System Watch list will be blank.

Device Images

Precise Vision can display images of every device on your site, shown in their correct location on maps and floor plans, and color-coded according to their status. By default, when devices are in normal standby mode, they are white images. Devices that are reporting trouble are yellow, and devices that are in alarm are red.

You will need to assign an image to every **type** of device in your system, and set a color scheme for them. You will establish three images and three separate color schemes for every type of device in your system. The three sets of images will depict the status of every device: normal, trouble, and alarm. Typically, devices are depicted in red when they're in alarm, yellow when they are in trouble and white when they're in normal mode.

Helpful Hint: Be careful changing device images if you think you are changing it for one individual device. The device image you are selecting is for that Device Type, so all devices on your system of that type will change also. For Example, when changing the image of a Monitor Module to reflect the function of that module, you are changing all Monitor Modules programmed for that same State, even if the picture doesn't reflect each device usage.

Many standard images are already included in your Precise Vision database. You can find even more on your Precise Vision installation CD. You can even create your own custom graphics. If you choose to create your own, we recommend that you create Windows metafiles (WMFs) for the greatest clarity when you zoom in.

A Note about Image File Formats

Precise Vision will work with most image file formats. Most CAD packages, photo editing programs, and drawing software can convert image files from one format to another. Usually, you simply need to select to save a file in another format.

AutoCAD Drawing (DWG): DWGs are the native AutoCAD drawing format. Every CAD program on the market can open DWGs.

Bitmap (BMP): BMPs are uncompressed images. They are relatively large files compared to JPEGs and GIFs. They can be black and white, grayscale, or color — as few as 16 colors, in fact. Microsoft Paint, which comes with Windows operating systems, can edit BMPs.

Graphics Interchange Format (GIF): GIFs are color-mapped files that can have anywhere from two to 256 colors. GIF files are always compressed, but they retain more detail than JPEGs. GIFs are usually used for line art and graphics, not photos, and they are the predominant image file format for the World Wide Web.

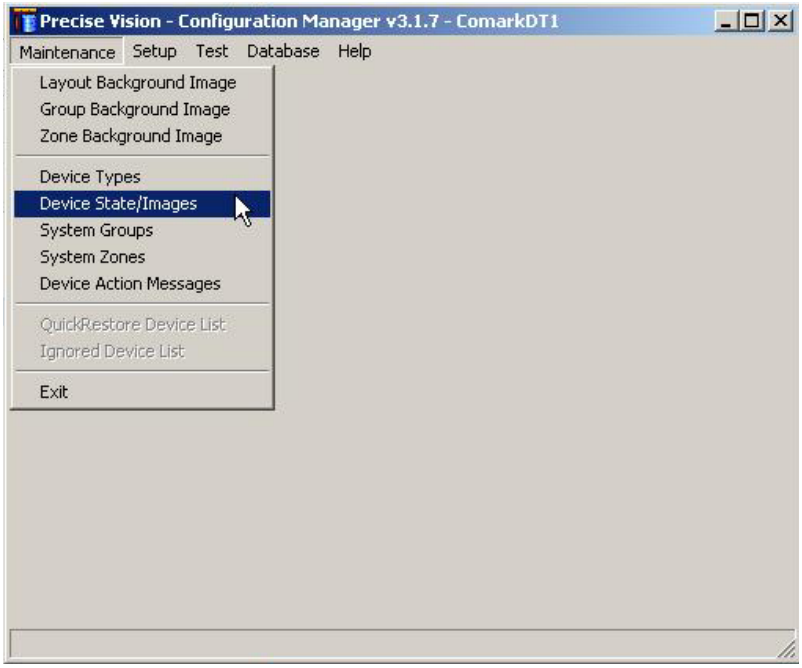
Joint Photographic Experts Group (JPEG): JPEGs are compressed image files, with less detail than GIFs. JPEGs are primarily used for photos. The more you compress a JPEG, the more pixilated it will look. JPEGs are either true color or grayscale. JPEGs are the smallest image files, so they are a good format for photos that are to be sent as e-mail attachments or posted on web pages.

Tagged Image File Format (TIFF): TIFFs have many variations. They may be black and white images, grayscale, 8-bit color, or 24-bit color. They may be either compressed or uncompressed. When TIFFs are compressed, they will be about half the size of the original file. Compressed TIFFs are not as small as JPEGs, but they do retain all image quality.

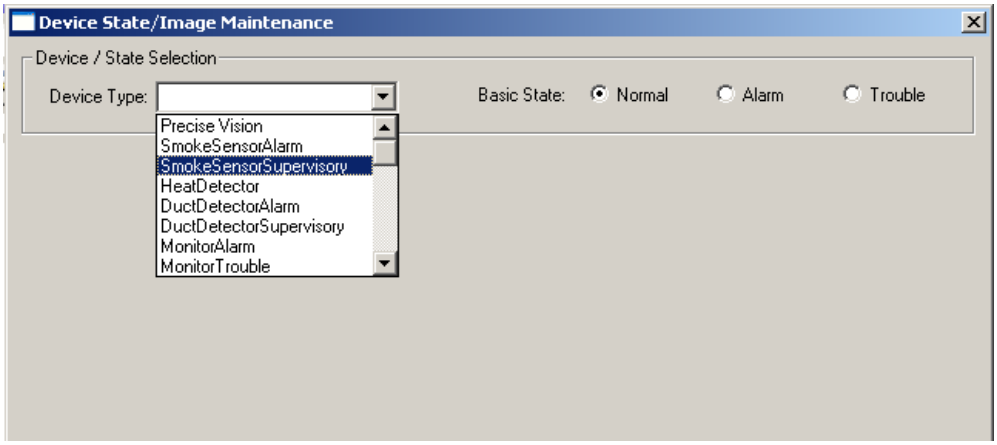
Windows Metafile (WMF): The Windows Metafile Format is the original 16-bit native vector file format for the Microsoft Windows operating environment. WMF files can be used to store both vector and bitmap graphics. We recommend WMFs for most Precise Vision images, because they show the most detail when users zoom in and out.

Assign Device Images

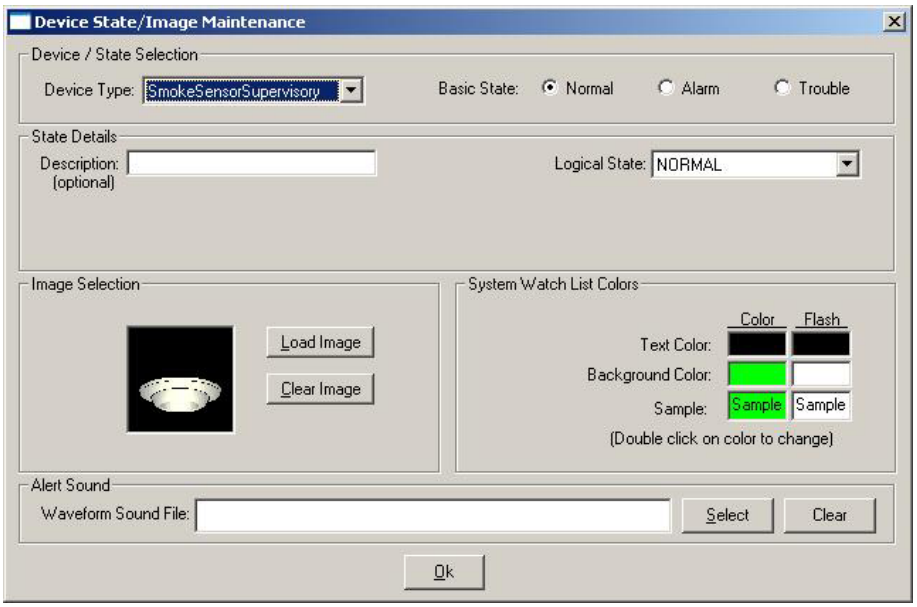
To assign standard images to new devices, start by opening Configuration Manager. Go to the "**Maintenance**" drop-down menu and click on "**Device State/Images**."



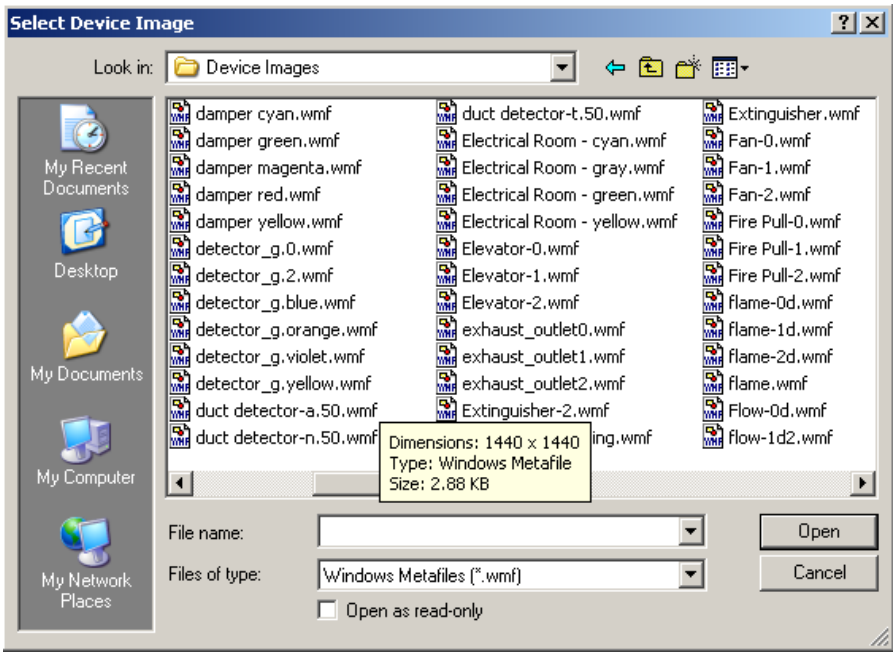
The "Device State/Image Maintenance" window will open. You will notice that a drop-down list includes all of the device types in your system.



Begin by loading an image for the duct smoke detector when it is in normal status. Make sure that the "Normal" button is checked, and then click "**Load Image**."

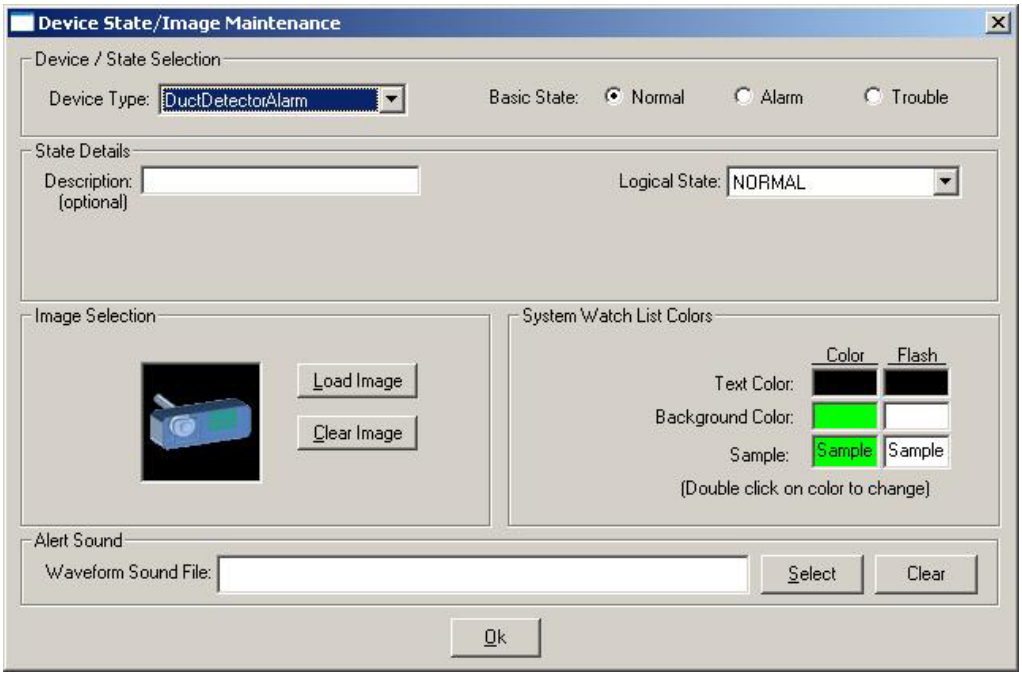


You will find a wide range of device images in your Precise Vision folder. To find a standard image for a duct smoke detector, for example, look in the "Device Images" folder. Precise Vision' developers used a consistent format to name device image files. Images of devices in normal status are labeled with the suffix "-0." (Likewise, images of devices in alarm are labeled with the suffix "-1." Images of devices in trouble are labeled with the suffix "-2." If you create your own image files, you should use the same naming convention. Remember, you will have three different pictures for each device, one for each state.



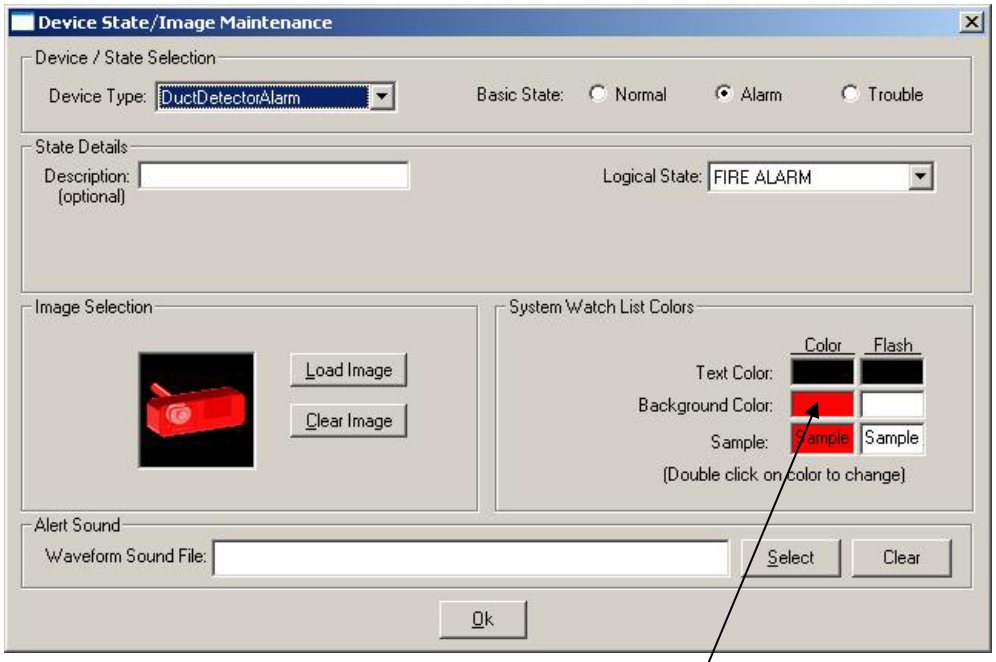
Assign Images for Devices in Normal Status

Once you have selected an image for a DuctDetectorAlarm in normal status, your Device State/Image Maintenance window will look like this. By default, the "System Watch List Colors" are green. You can *double-click* on the colors to change them, but we recommend that you leave them set to green for the normal state.



Assign Images for Devices in Alarm

Follow the same procedure to select images for devices in alarm and in trouble status. Begin by loading an image for the duct smoke detector when it is in alarm: duct-1.wmf. Make sure that the "Alarm" button is checked, and then click "**Load Image**." The "System Watch List Colors" are red, by default. You can change the color, but we recommend that you leave it set to red for Alarms. That way, when a device is in alarm, it will flash in red. For supervisory or security events, changing the color to your preference is no problem.

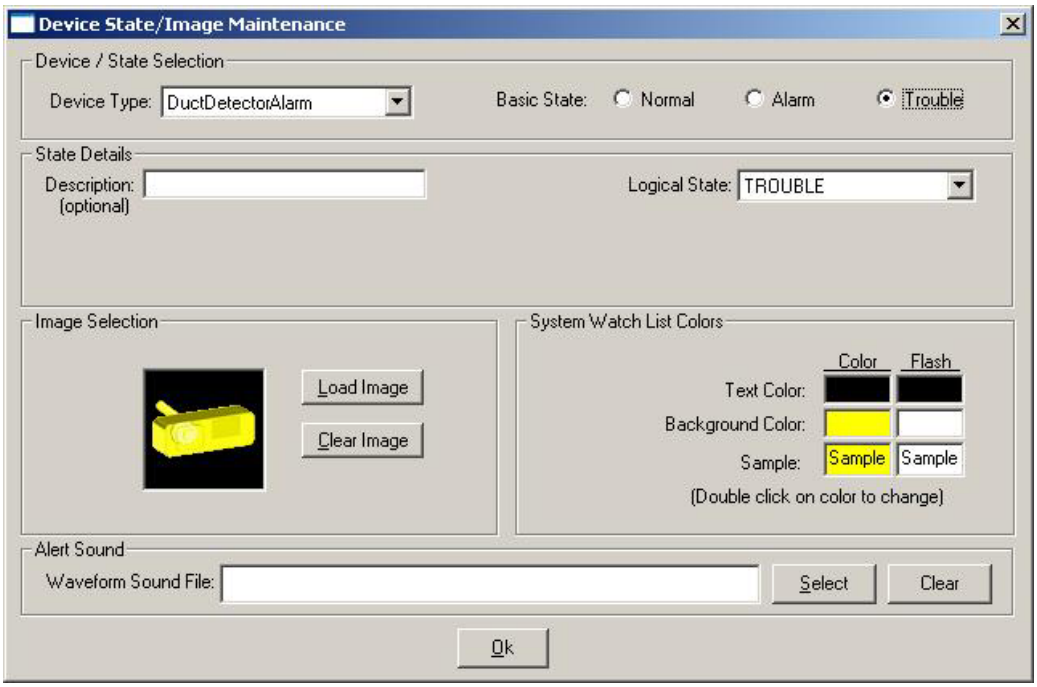


Helpful Hint: While the "Basic State" is set to "Alarm," you must choose the appropriate "Logical State" for the device. Choose "FIRE ALARM" for fire alarm devices and "SUPERVISORY ALARM" for non-fire alarm devices such as tamper switches.

Helpful Hint: Alarms, Troubles and Supervisory devices must be different colors. These colors are describes as default Alarm = Red, Supervisory = Violet, Trouble = Yellow and Normal = Green. If you want to change the color of that event on the System Watch screen, double click box with color in it, and choose a different color. This will then apply to ALL devices of this type, not the individual device. For example, in screen above, this color would apply to all DuctDetectorAlarm devices in your system.

Assign Images for Devices in Trouble

Follow the same procedure to select images for devices in alarm and in trouble status. Begin by loading an image for the duct smoke detector when it is in trouble: duct-2.wmf. Make sure that the "Trouble" button is checked, and then click "**Load Image**." You will notice that the "System Watch List Colors" are yellow, by default. You can *double-click* on the colors to change them, but we recommend that you leave them set to yellow. That way, when a device is in trouble, it will flash in yellow.

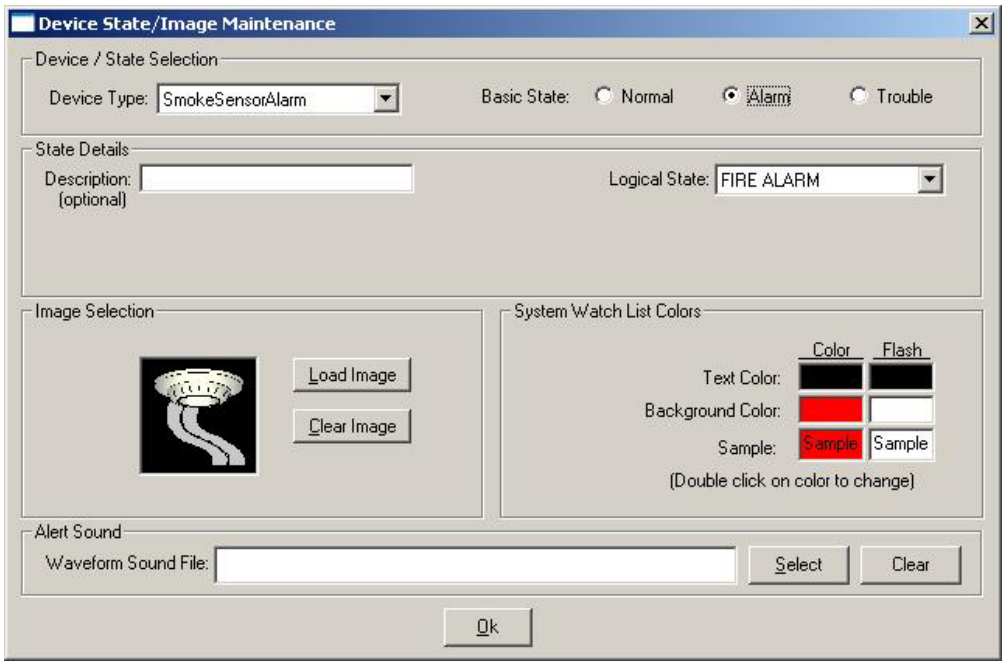


Helpful Hint: When you are done assigning images for devices in normal, alarm, and trouble status, you can quickly check your work by highlighting any device in the "Device Type" in the drop-down menu. Then you can use the up and down arrow keys to scan all device type properties, and make sure you didn't leave any blank.

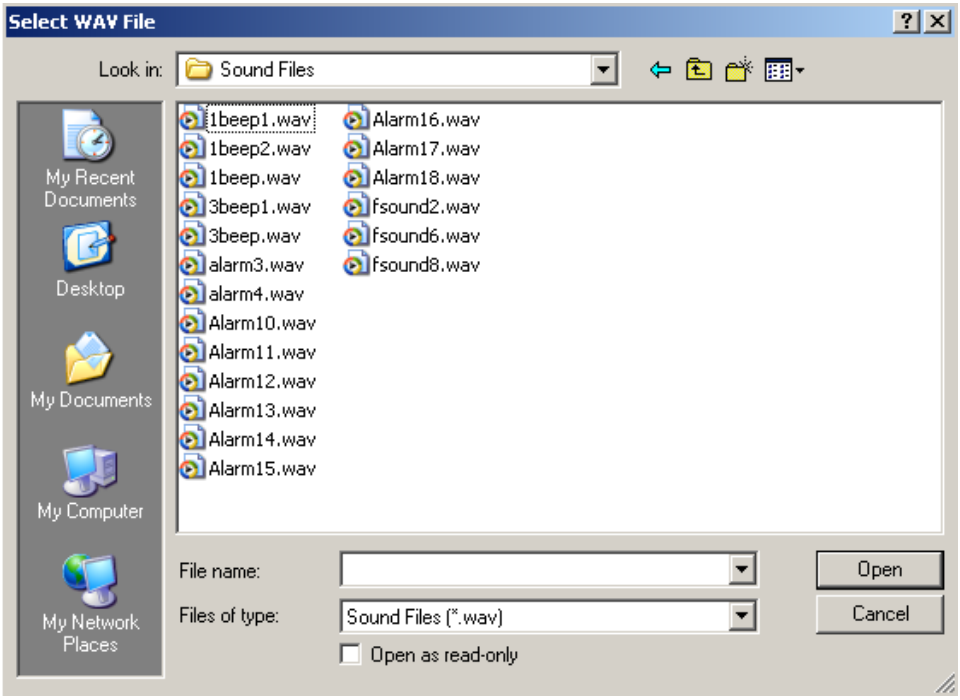
Assign Sound Files

You can also set a unique alert sound for devices in each state. Alarms, Troubles and Supervisory messages must have different audible tones associated with each. In this case, we will assign a sound to play when a Smoke Sensor" goes into alarm. Choose "**SmokeSensorAlarm**" from the device type drop-down menu, check the "**Alarm**" box, and then click the "**Select**" button at the bottom of the window.

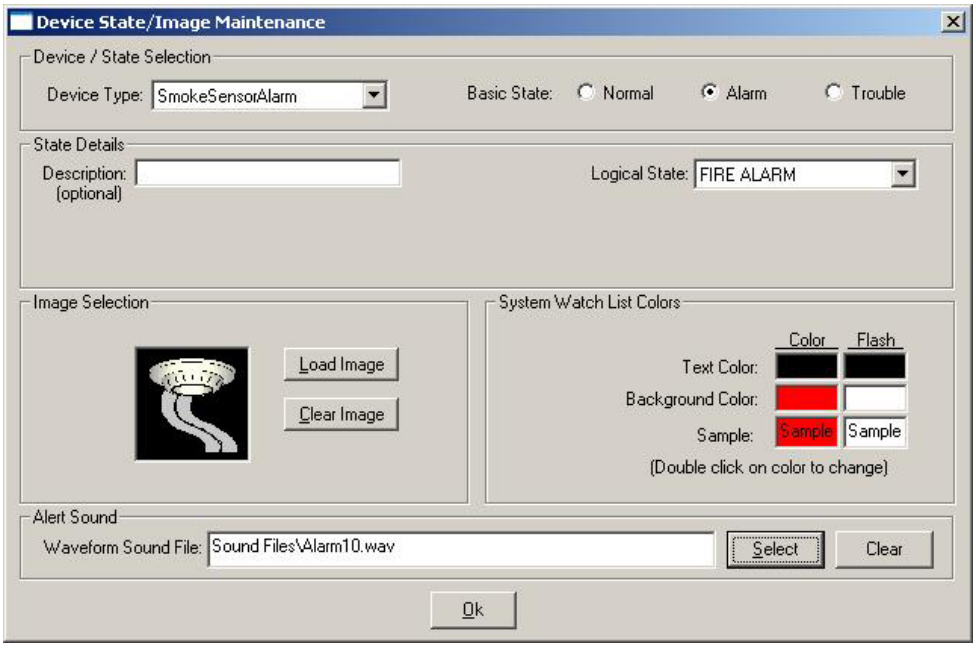
Note: Audible annunciation of system events is required. Only the speakers provided with each Fike computer can be used. A 1/8" (3.5 mm) male to a 1/8" (3.5 mm) male audio cable is required for this connection.



Choose a WAV sound file from the Precise Vision "Sound Files" folder on your hard drive.

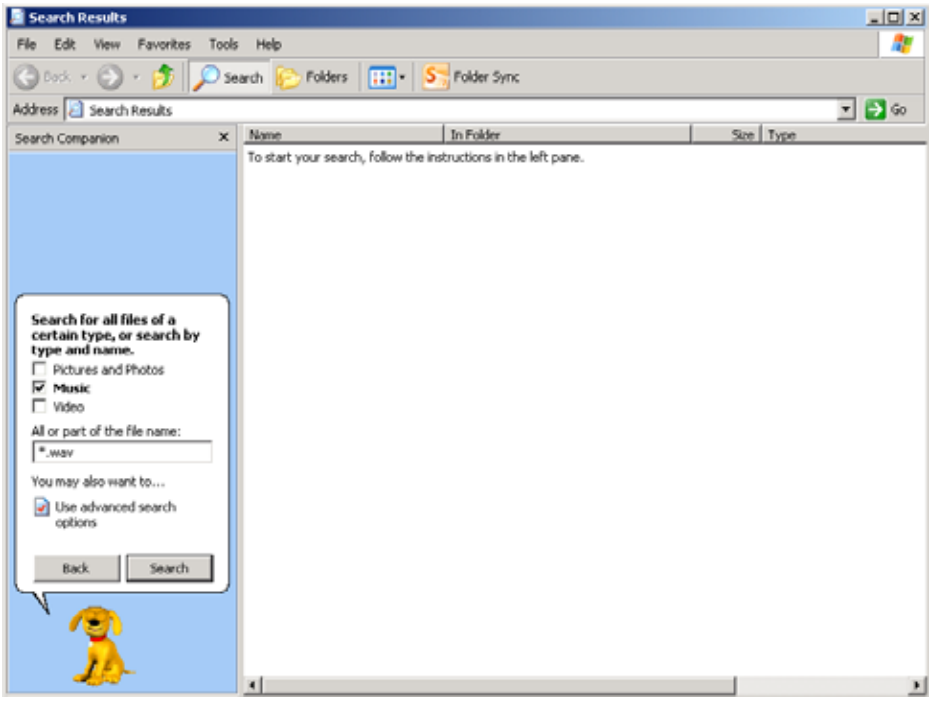


When you have completed assigning sound files desired for devices in trouble, and alarm states, click "**Ok**."

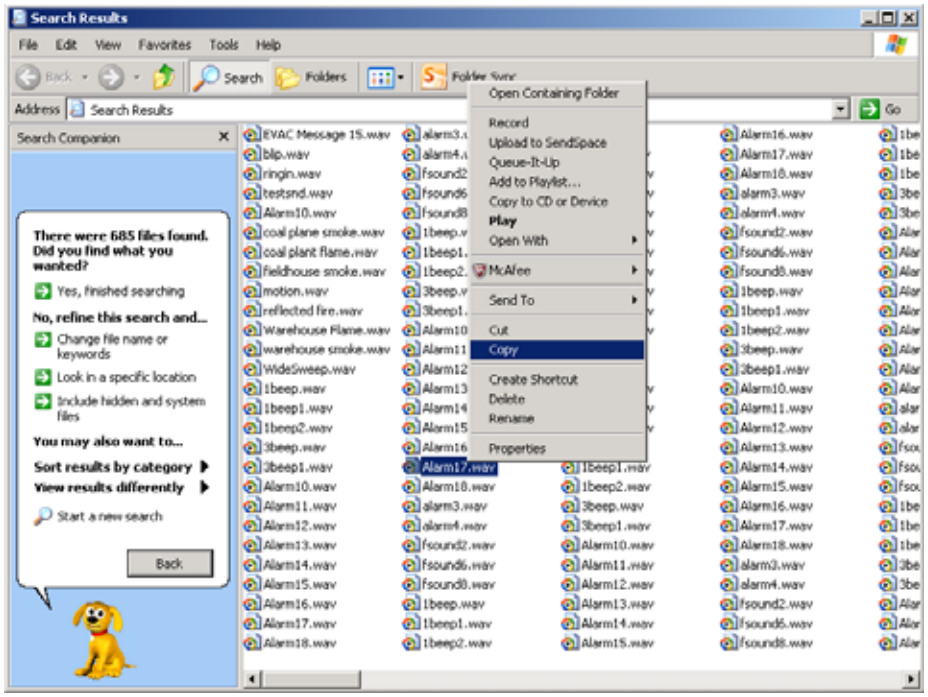


How to Find Additional Sound Files

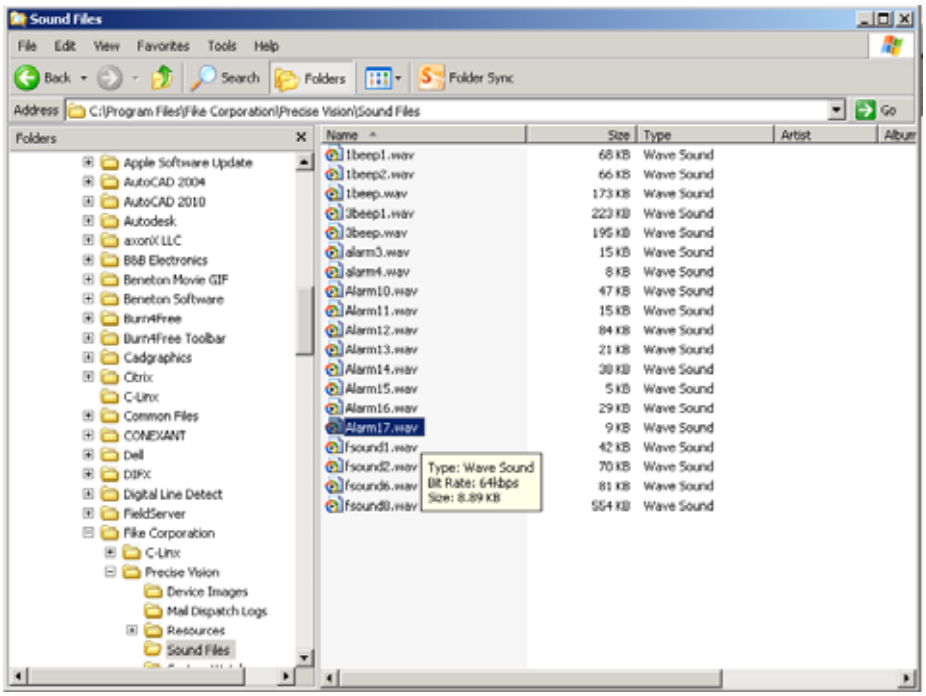
Your Precise Vision program folder includes several sound files with spoken alerts: "Fault," "Fire," "Heat," "Smoke," "Sprinkler," "Temperature," "Tamper," "Trouble," "Water," and a default alarm sound. You can also copy other sound files from your computer's hard drive into the Precise Vision folder. First, go to the "**Start**" menu in the lower left-hand corner of your computer screen. Search for additional sound files on your hard drive by clicking on "**Find**," and then click on "**Files or Folders**." Type in ***.WAV**, and click "**Find Now**."



You will see a list of every sound file on your hard drive. Copy the sound files you want to use with Precise Vision. (Use the standard CONTROL-C keyboard combination to copy.)



Open your Precise Vision program folder and paste the sound files you just copied. (Use the standard CONTROL-V keyboard combination to paste.)

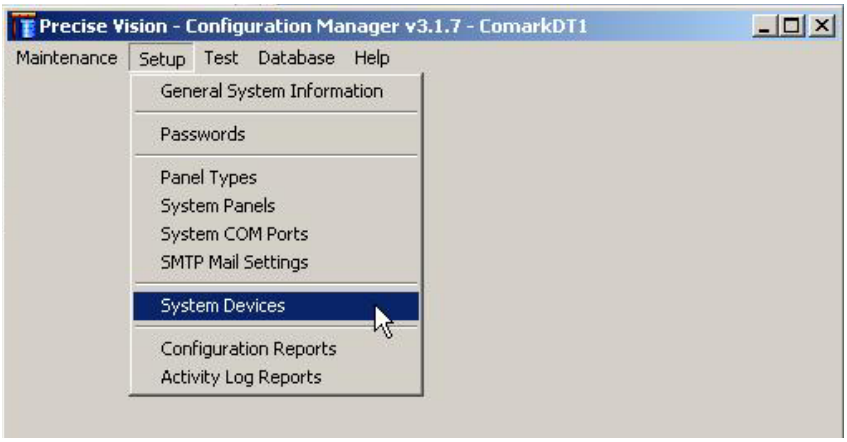


Note: WAV files must be less than 10 seconds long.

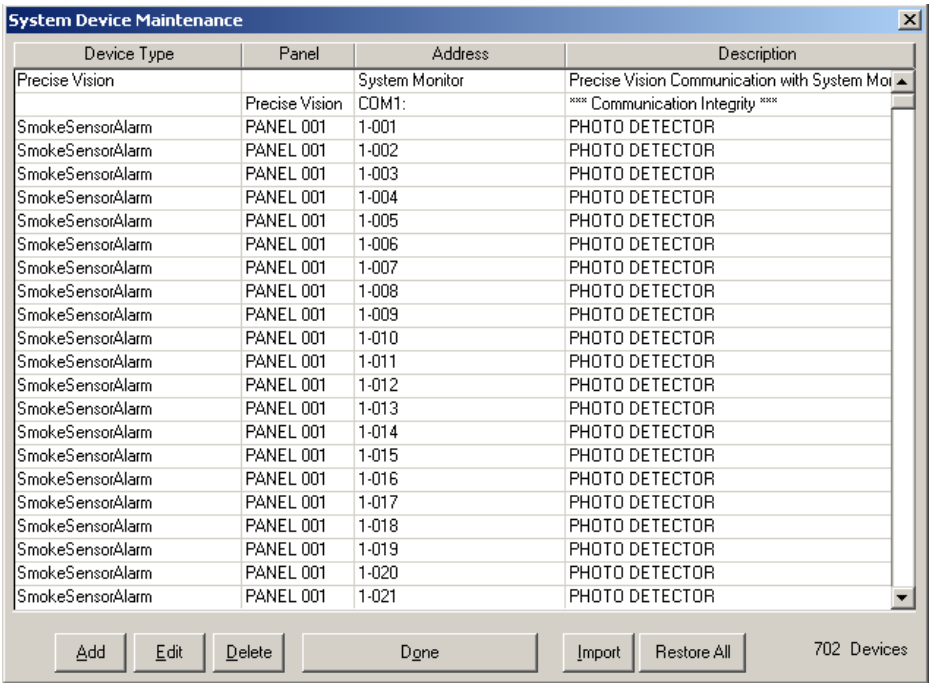
Add Individual Devices to the Database Manually

When a control panel reports anything about a device for the first time, that device will automatically be added to the Precise Vision system, *(IF you have it configured to do so in System Monitor.)* Device types are usually assigned automatically. While model and manufacturers of system components may vary, the basic categories of information that Precise Vision tracks remain the same: device type, panel, address, and description. You can view your device list in database form and make changes to the description of any device. You can also add notes and comments to clarify each location for responding personnel.

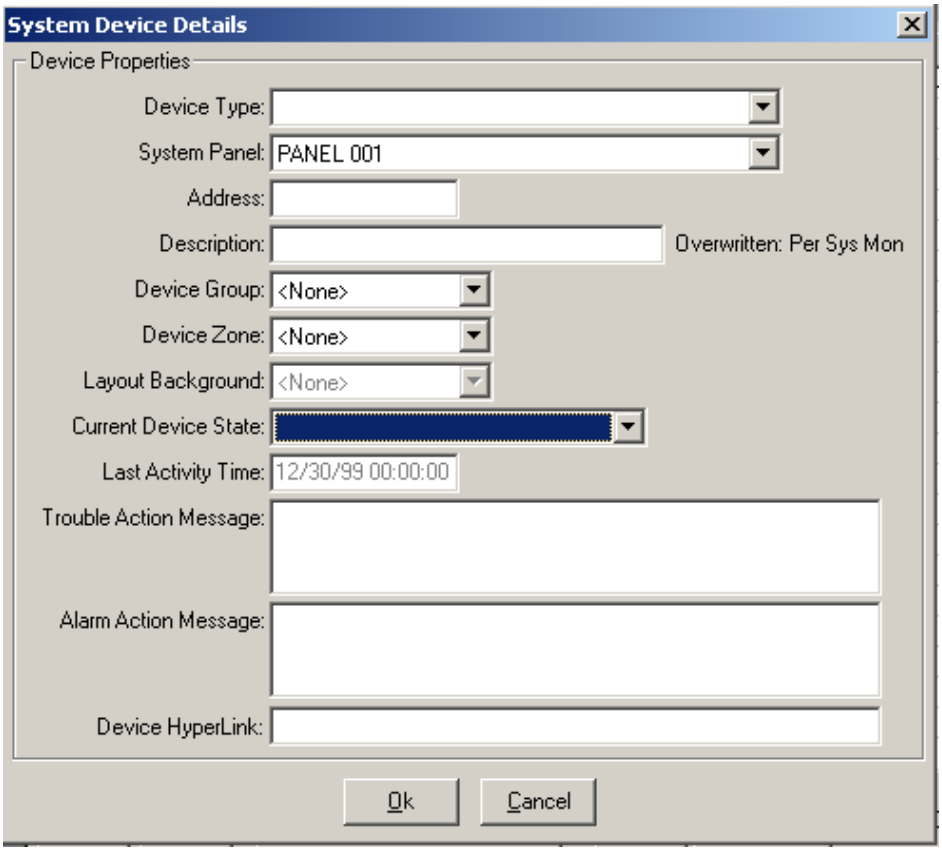
To make changes to your database of devices in your system, make sure that Configuration Manager is open. Go to the "**Setup**" drop-down menu and click on "**System Devices**."



This will bring up the list of all devices in your Precise Vision system.



If you need to add a new device manually to your system, just click on 



On this screen, you first select the Device Type. The dropdown list will give you available choices to ensure you have it named in the same format that the information will come from the control panel to be a recognized type device.

You then select the System Panel that this device is connected to. The choice of panels available is dependent on those panels already having been assigned into the Precise configuration. (See Chapter 11 on adding or setting up Panels)

Give the device assigned address as it is configured on the control system.\

Enter the Description of this device to help you identify it and the relevance of that device on the System Watch Event screen.

If you have built panel zones or groups, you could assign this device to the group or zone it will belong to in Precise Vision here. (See Chapter 9 – Groups and Zones)

No choice to make on Layout Background as that device needs to be added to the background layout like all the other devices, since there is no way from this screen to tell it WHERE to place it on that background or floor plan.

Set the Current Device State. By default this is always Normal.

Helpful Hint: You can manually designate it as being in alarm or trouble here to test the System Watch test screen if you wish. No matter how it is set here, once connected to a real time control panel, the status coming from that control panel reporting this device status will override what you have entered here. This is for testing purposes only.

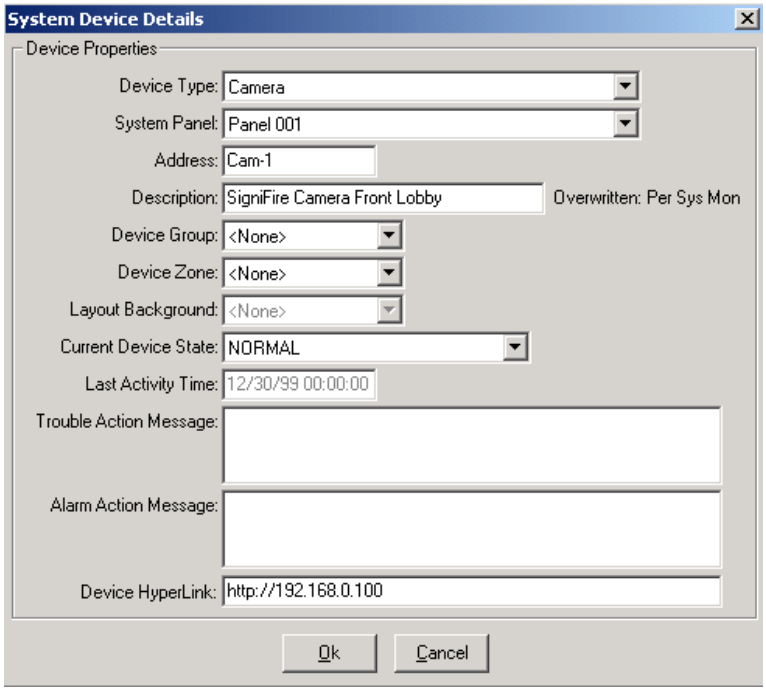
This page intentionally left blank

Chapter 7: Hyperlinks

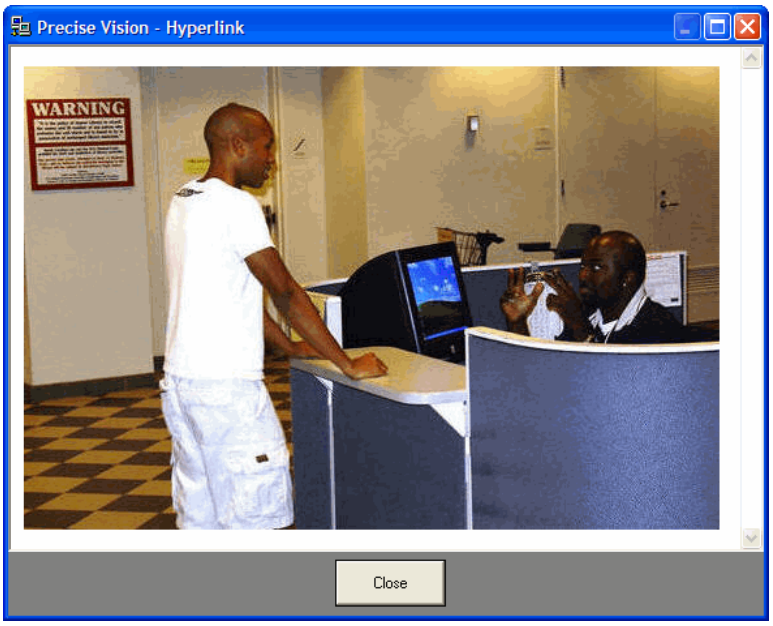
With Precise Vision, you will be ready to connect to any TCP/IP address on your site or on the Internet. A quick click on your background map or floor plan will link you to the World Wide Web, closed circuit television, or HVAC building controls — each in its own dedicated window. In this chapter, you will learn how you can get online with Precise Vision.

Link to Video

You can connect closed-circuit television and security camera images to your Precise Vision system simply by adding the TCP/IP address of your camera to the "Device Hyperlink" field.

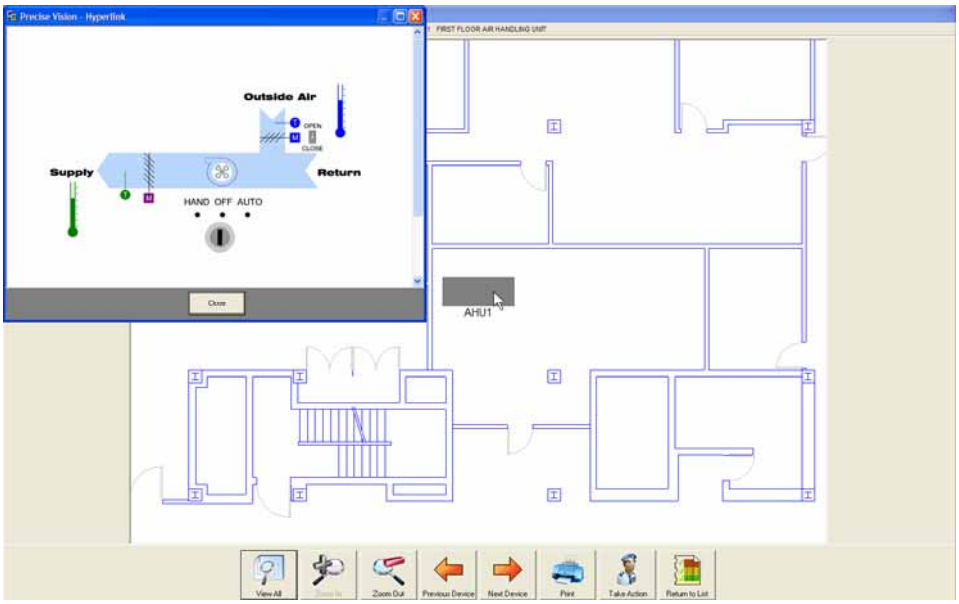


With the device hyperlink in place, you can monitor any information at the TCP/IP address you specify. You will simply click on a device image — the icon of a CCTV camera, for example — just as you would click on the image of any other device, such a smoke detector or a motion sensor. A new "Hyperlink" window will open on screen, and you will see your TCP/IP data, streaming live and in real time.



Link to HVAC Controls

You can use the same measures to display building and industrial controls, such as heating, ventilation, and air conditioning. With a device hyperlink in place, you can monitor any information at the TCP/IP address you specify. You will simply click on a device image — the icon of an air-handling unit, for example. A new "Hyperlink" window will open, and you will see your HVAC data, live and in real time.



Link to Web Pages

You can even make hyperlinks that will allow Precise Vision users to go directly to important web sites: corporate web pages, for instance, news sites, or web sites with emergency management information and contact lists. By linking through Precise Vision, you can control which pages users will be able to access.

This page intentionally left blank

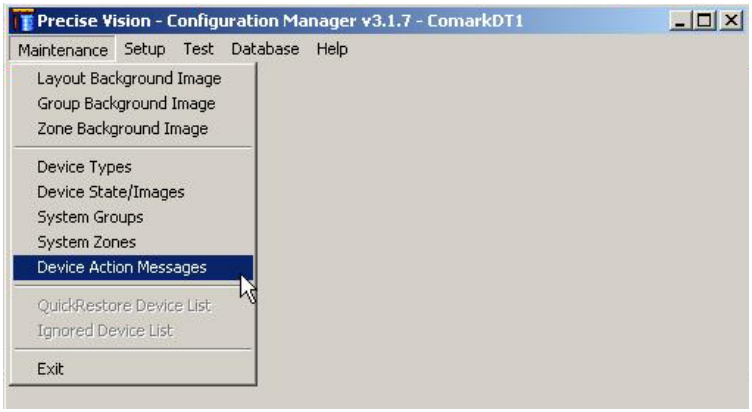
Chapter 8: Action Messages

With Precise Vision “Take Action” messages, you can give first responders specific, real-time information about alarms on your site — including notes about hazardous materials, vulnerable building occupants, and management contacts. You can even offer “Take Action” suggestions in Spanish or any other language! In this chapter, you will learn how to use Precise Vision to give responding personnel the emergency information they need.

Customize Your Action Messages

Every alarm device in your system will be linked to a color-coded message about its condition. The color-coding will match the colors you choose for your System Watch list; messages about devices in trouble, for example, will pop up on a yellow background. Messages about devices in alarm will pop up on a red background.

Start customizing your action messages by opening Configuration Manager. Go to the "**Maintenance**" drop-down menu and click on "**Device Action Messages**."



The Device Action Message Setup window will open.

- Use the drop-down "Device State Selection" field to determine whether you are establishing messages for devices in fire alarm, supervisory alarm, or trouble.
- Write two separate "Message Prefix" notes: one for each device type when devices are in trouble and one for each device type when devices are in alarm.
- Use the "Device Type" section to write action messages for the various devices in your system.
- The "Background Image" section: will indicate which floor or area of the building each device is located.
- The "Message Suffix" will bring up standard "boilerplate" information that applies to any trouble or alarm.

Click "**Show Sample**" to continue.

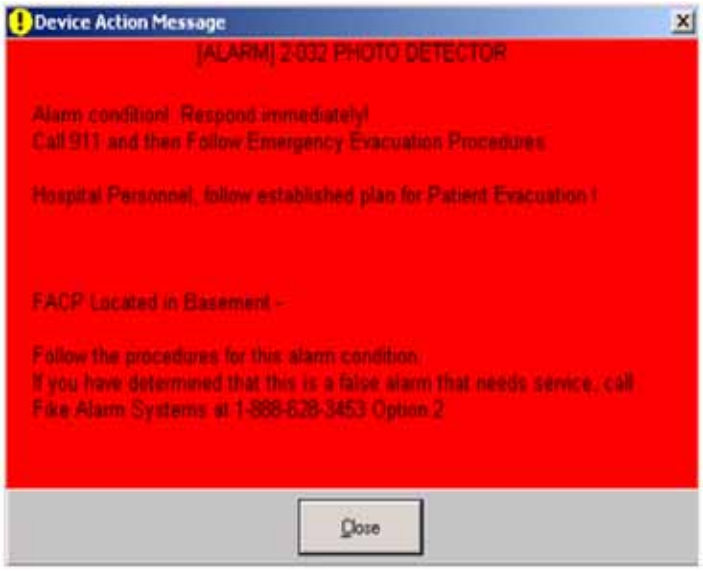
Helpful Hint: You will probably find yourself writing two action messages for every type of device in your Precise Vision system. That makes this a good time to review and standardize your site's emergency policies and procedures and update your emergency contact phone list. You may even want to consolidate all of your action messages to develop an emergency operations handbook.

Preview Your Finished Work

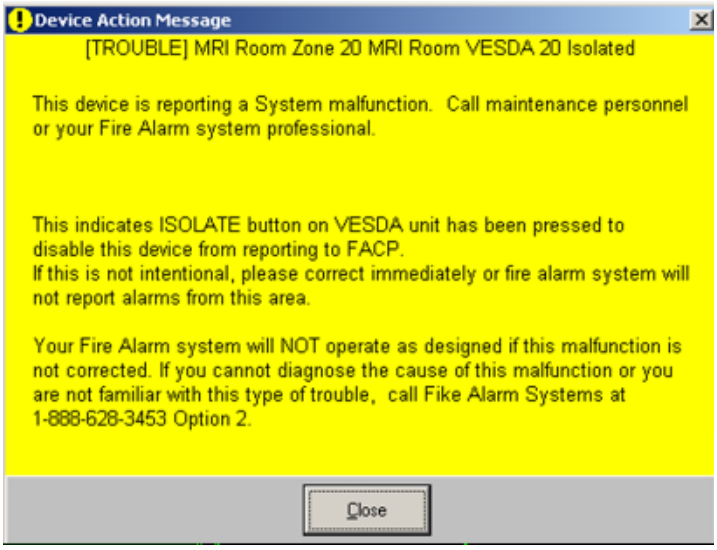
Once you click "**Show Sample**," you will see a color-coded screen. When the top line says "Device Help Test," don't' worry about that since it will later show each device's specific address and unique description, as the fire control panel reports them. Your device specific, "Zone name," and "Group name" information will be filled in from the information you enter when you set up each zone and group.

If you would like to make changes to your action message, click "Close," and you will return to the Message Setup screen. Click "Done" when you are finished setting up all of your action messages. You can use the Message Setup screen at any time to make changes or add information.

This is an example of an "ALARM Event" Device Action Message.



This is an example of a "TROUBLE Event" Device Action Message.



Helpful Hint: The preview screen may have a white background when the "Logical Device State" is set for "Fire Alarm." If you were expecting to see a red background, don't be confused: the device type you've selected is actually a supervisory alarm. The "Logical Device State" must match the type of your alarm device. Simply change the "Logical Device State" to "Fire Alarm," and the background will be red.

This page intentionally left blank.

Chapter 9: Groups and Zones

When you group alarms and devices by assigning them to zones or groups on your site, you will make it even easier to save time, save property, and save lives by more quickly identifying the location within your facility of the event. This chapter will show you how to set up groups and zones for your facility.

Create Groups and Zones of Devices

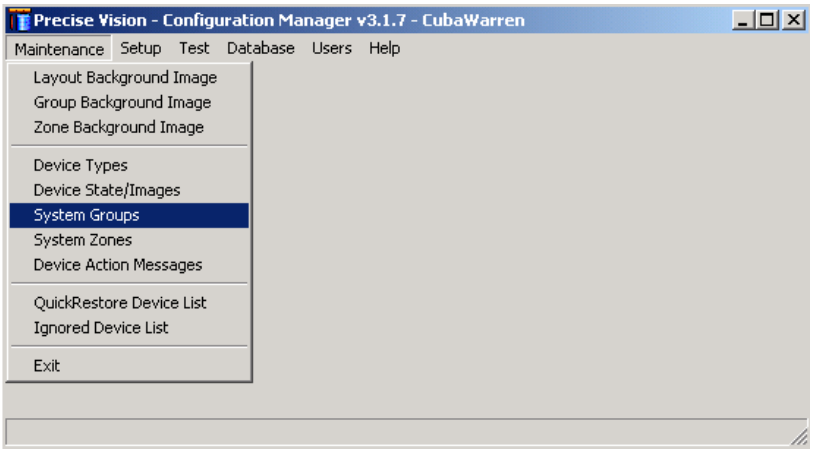
You may find that you want to create groups of devices, to make it easier for your staff people to locate alarms and trouble conditions. You might want to use Precise Vision to depict an aerial photo of your entire site, for example, and then group every device in a single building.

Each device in your system can only be assigned to one group at a time. If you want an additional graphic view of groups of devices — such as an elevation view that shows a cross-section of all of the floors in a high-rise — you can create zones of devices. In effect, zones are a useful way to zero in on related groups. Typically, users create a group to show a building on a site plan, and a zone to show an area of that building.

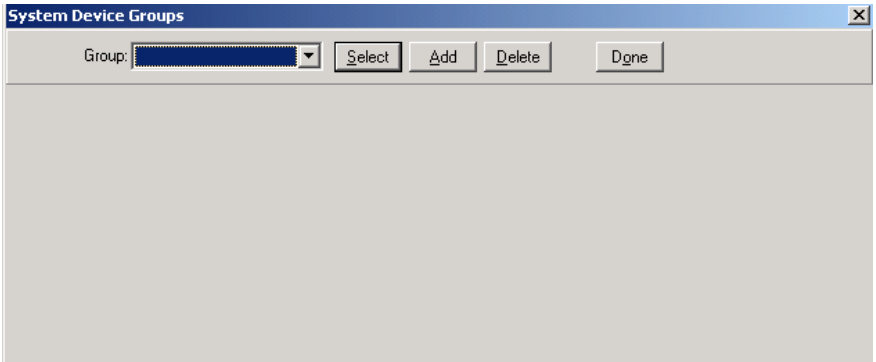
Whether you are setting up groups or zones, the step-by-step process is the same. On the following pages, we will show you how to set up system groups. When you move on to establishing system zones, you will repeat the same steps — but you will use the "zone" menu items instead of the "group" selections.

Creating a Group

To create a group of devices, start by opening Configuration Manager. Go to the "**Maintenance**" drop-down menu and click on "**System Groups**."

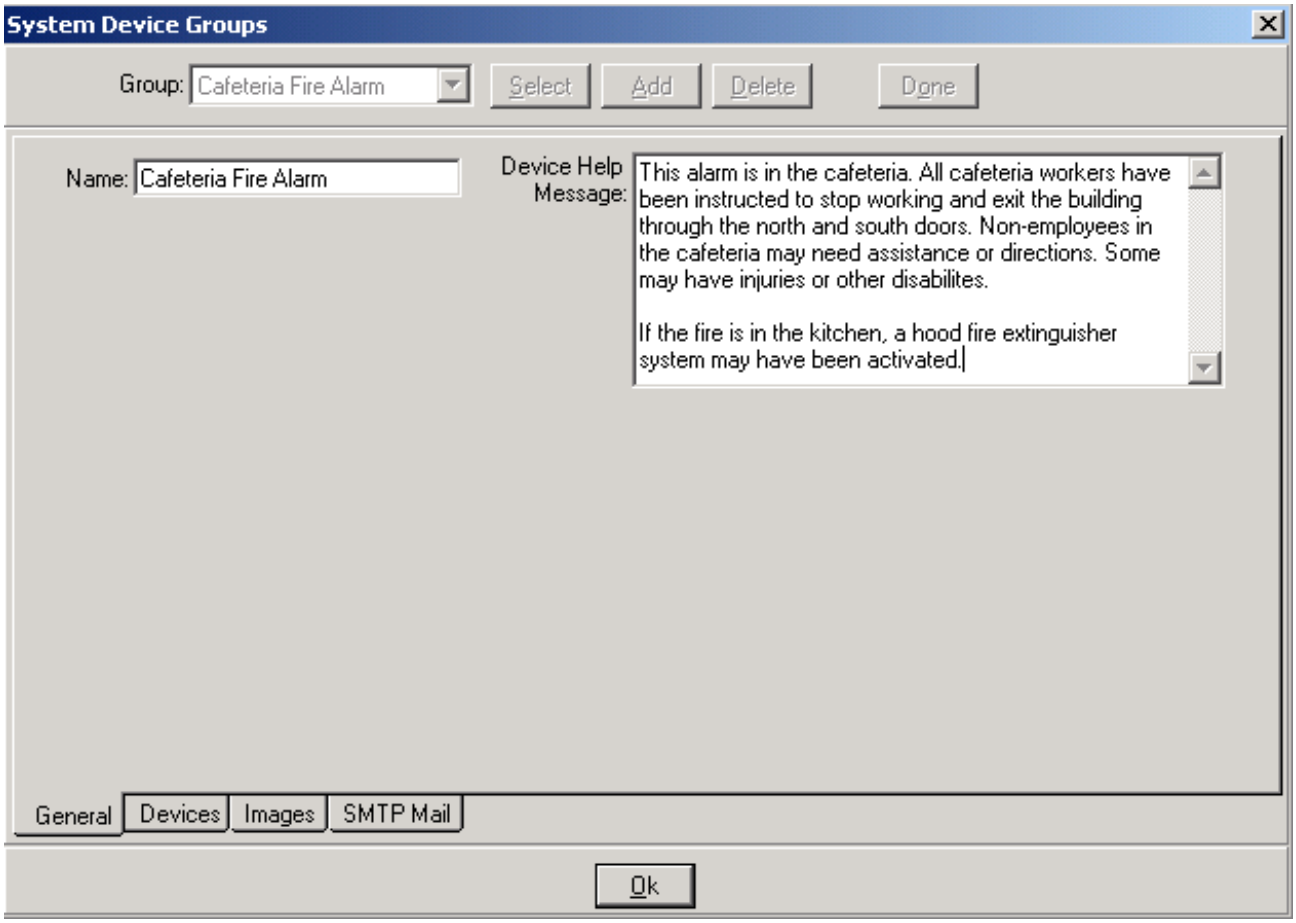


Click "**Add**" to begin adding device groups to your system.



Name Your Group

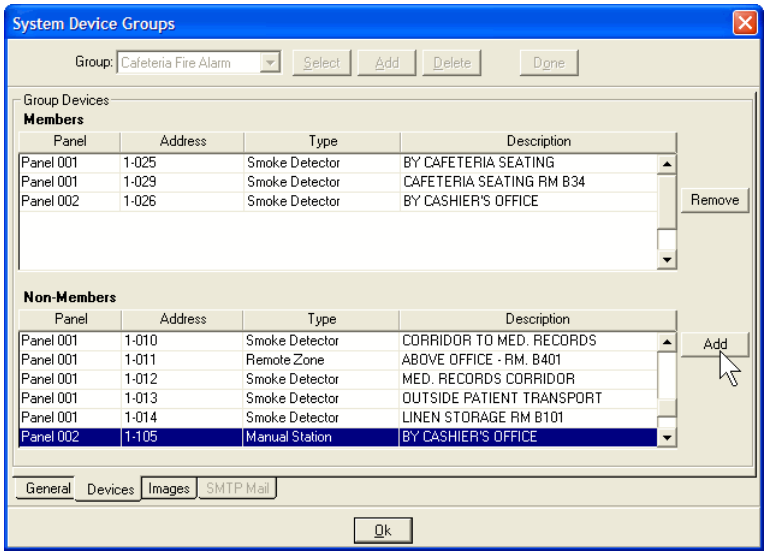
Give your group a name and enter a device help message. (See the chapter on “Action Messages” for more information about developing emergency instructions for first responders.) When you are through, click on the “**Devices**” tab.



Helpful Hint: You can create a paragraph return in your “Device Help Message” box by clicking the CONTROL and ENTER keys simultaneously.

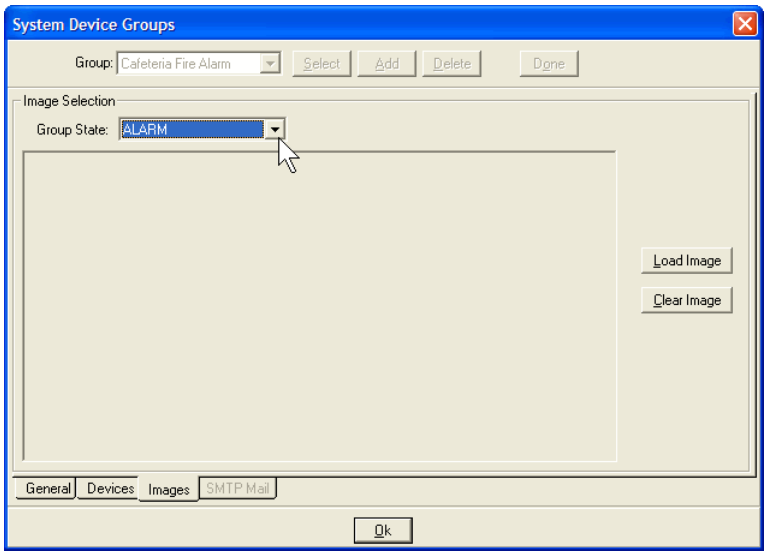
Assign Devices

Add devices to your newly created group. Highlight them in the bottom list, and then click "**Add.**" When you are through, click on the "**Images**" tab.

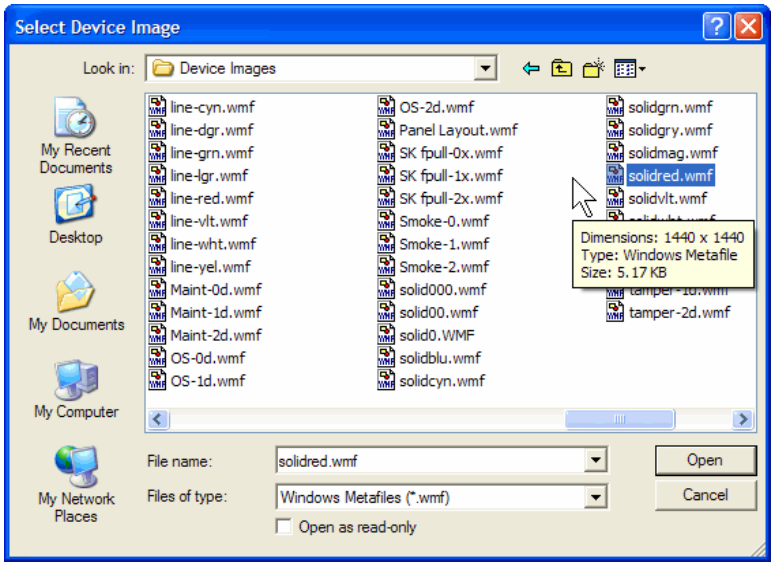


Assign Images

Use the "Group State" drop-down menu to start assigning three separate images for your group — one for normal, one for trouble, and one for alarm. We recommend solid green for normal, solid yellow for trouble, and solid red for alarm. Select your "**Group State**" first, and then click "**Load Image**."



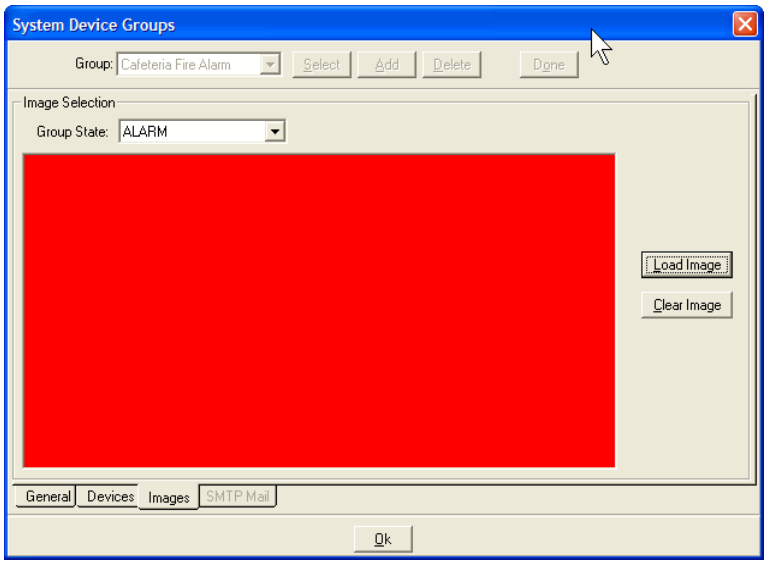
You can find the solid color images in the Precise Vision folder on your hard drive, in "Device Images."



Helpful Hint: Use solid green to help you locate a group as you set it up on a background map, but remove it when you are through. That way, a group in normal status will be clear, but it will flash in red or yellow when it is in trouble or alarm. The next chapter will give you more information about background maps and floor plans, including those associated with zones and groups.

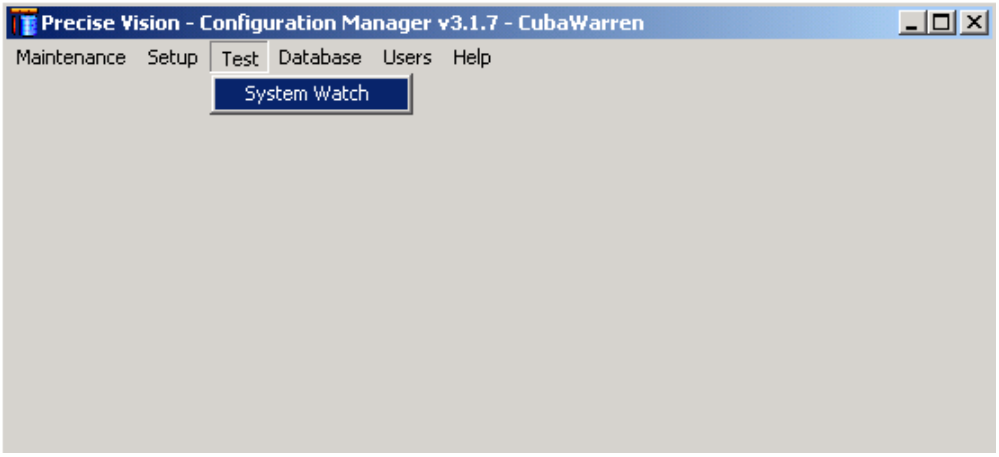
Preview Your Image

Once you have loaded each image, you will see it in the preview window. Follow the same procedure to assign images to your group in all three states: normal, trouble, and alarm. When you are finished, click "**Ok**."

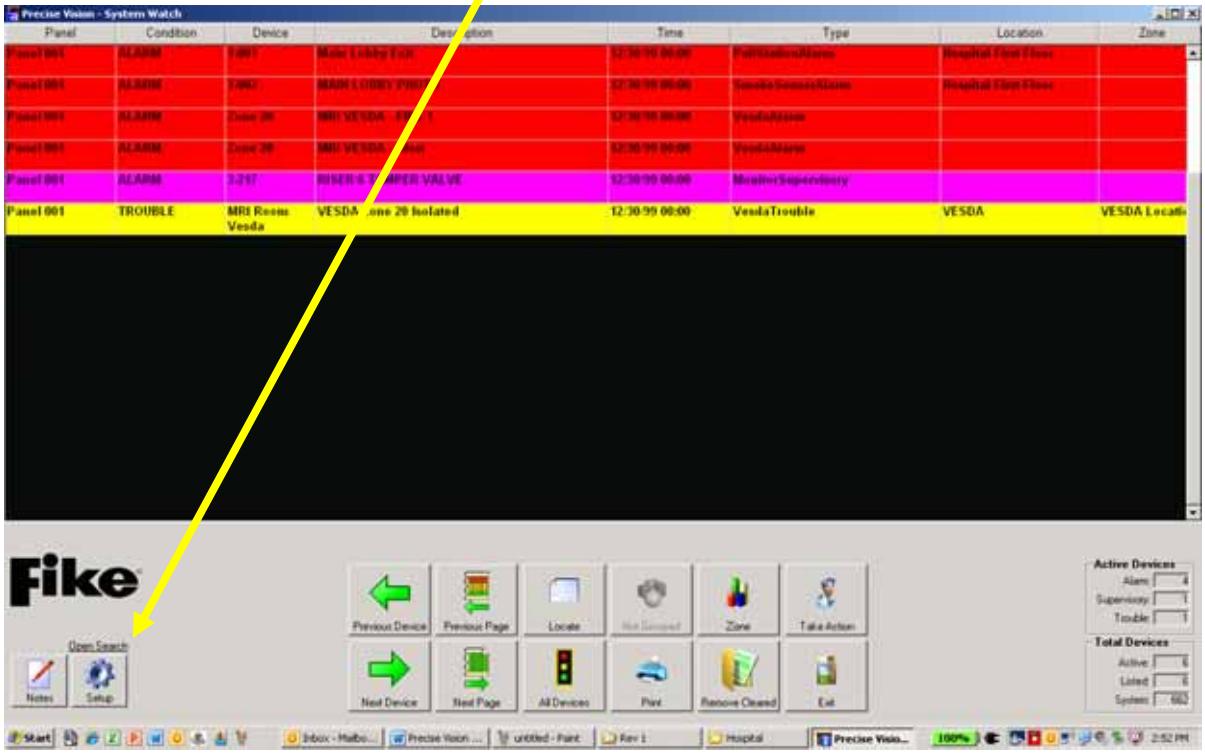


Establish System Watch Settings for your Group

Once you have configured a group or a zone, you should determine how you want users to see it from the System Watch screen. Start by opening the Configuration Manager program. Go to the "**Test**" drop-down menu and choose "**System Watch**."



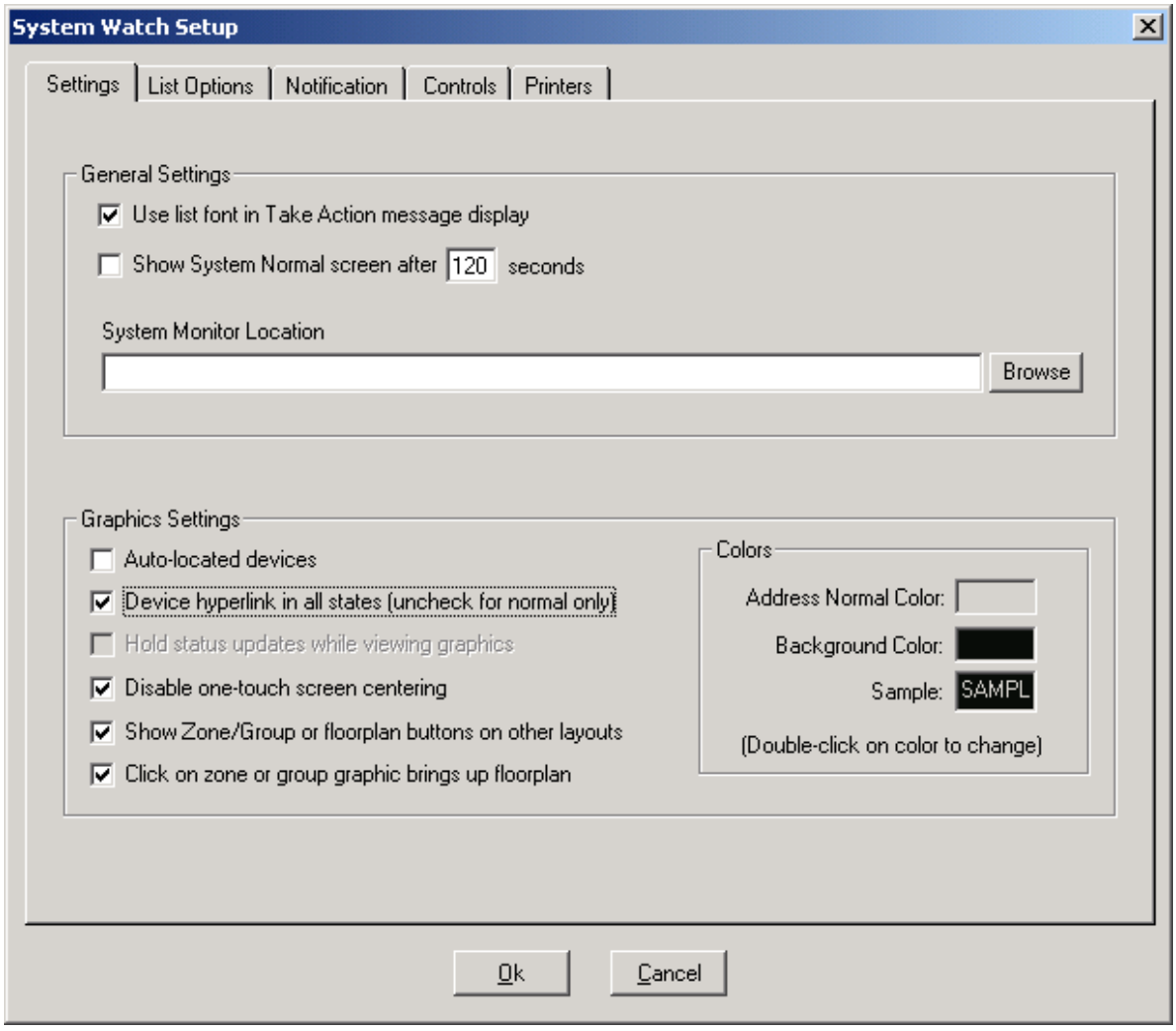
When the System Watch screen opens, click the "**Setup**" button in the lower left-hand corner.



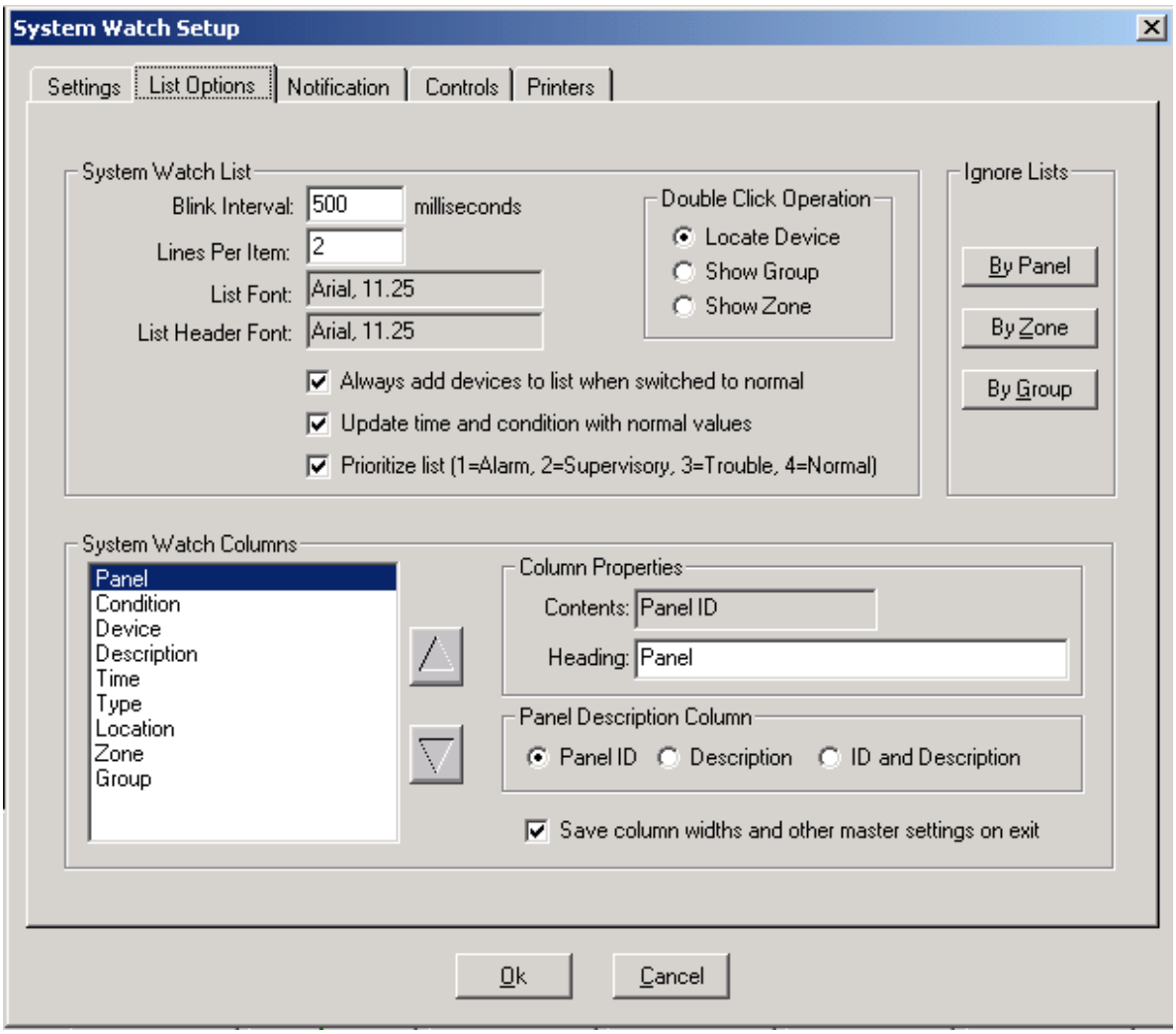
Zone, Group, and Floor Plan Buttons

Note: For more information on all settings on the tabs that appear, refer to Chapter 15: System Watch. What will be shown here are only the options that deal with the use of System Groups and Zones.

Use the System Watch "Settings" tab screen to determine whether you will show "Zone" and "Group" buttons at the bottom of the System Watch screen, and whether clicking on them will display a floor plan for the user.



Use the System Watch “List Options” tab screen to determine whether *double-clicking* on any list item will locate a device, or show its group or zone first.



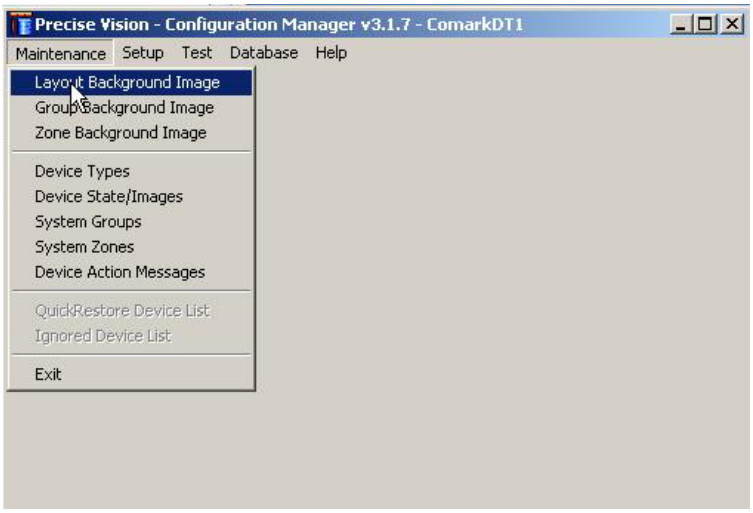
Chapter 10: Background Maps and Floor Plans

Background maps and floor plans are the real reason you use Precise Vision: they help responders find alarms and trouble conditions quickly and easy. Precise Vision' background maps and floor plans are flexible, too. You can use practically any digital file or photo to display devices, zones, and groups. This chapter will show you how to work with maps and floor plans — the background images that make up the backbone of your Precise Vision system.

Background Maps and Floor Plans

Precise Vision makes it easy to display alarms and detector devices on a floor plan or map of your facility. This chapter will teach you how to set up your graphic backgrounds.

Start by opening Configuration Manager. Go to the "**Maintenance**" drop-down menu and click on "**Layout Background Image.**"

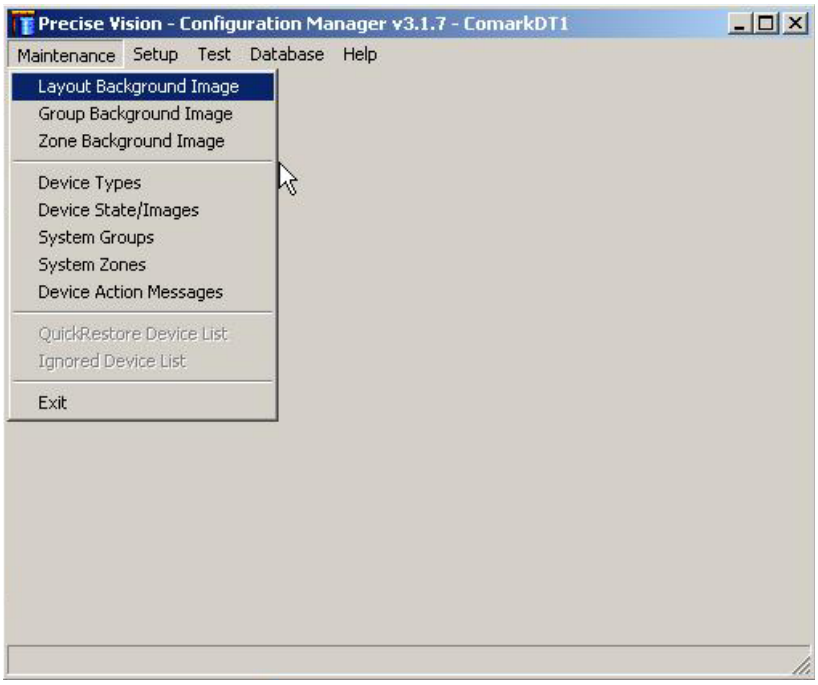


Import Your Own Background Maps and Floor Plans

Here is how you can import your own background maps and floor plans. First, collect the CAD files you plan to use. Most architects use CAD software to design buildings; their CAD drawings are usually kept on file by building owners or facility managers. If you don't have CAD files, create them from architectural blueprints, or even your own sketches. Use CAD software to convert all of your CAD images to WMFs. (See "Tricks of the Trade" later in this chapter for information about how we optimize CAD files for background maps and floor plans.) Also, gather the digital photos you plan to use as background images, and save them as JPEGs.

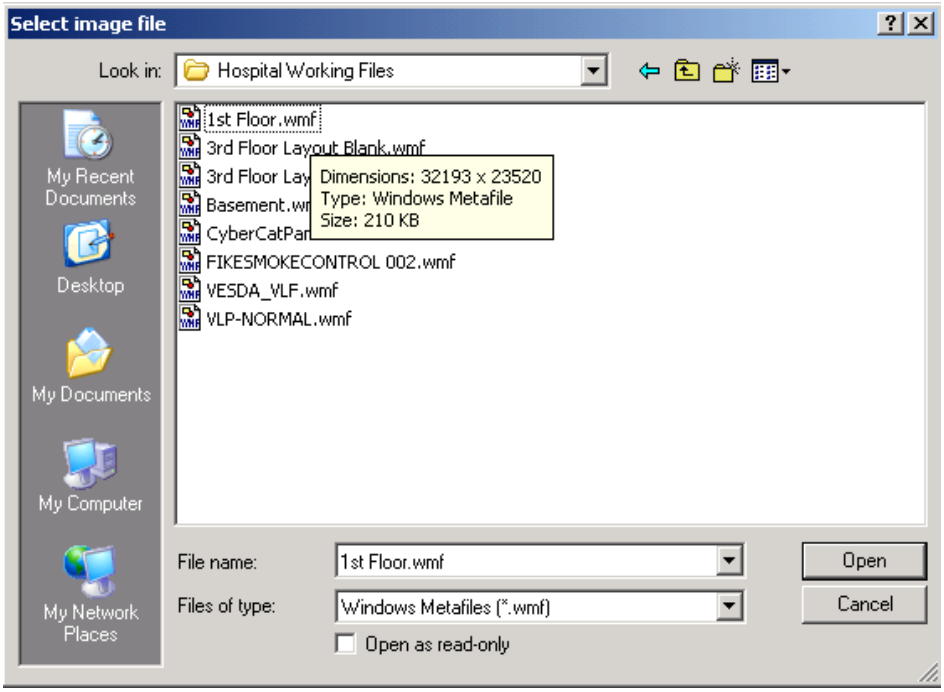
Next, create a new "Background Images" folder in your Precise Vision folder, and use it to store all of your background images, maps, and floor plans.

Open Configuration Manager. From the "**Maintenance**" drop-down menu, select "**Layout Background Image**."

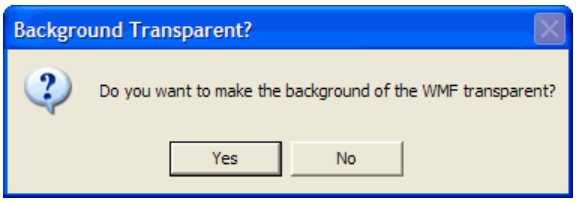


The "Layout Background Image Maintenance" window will fill your screen. Click "**Import.**"

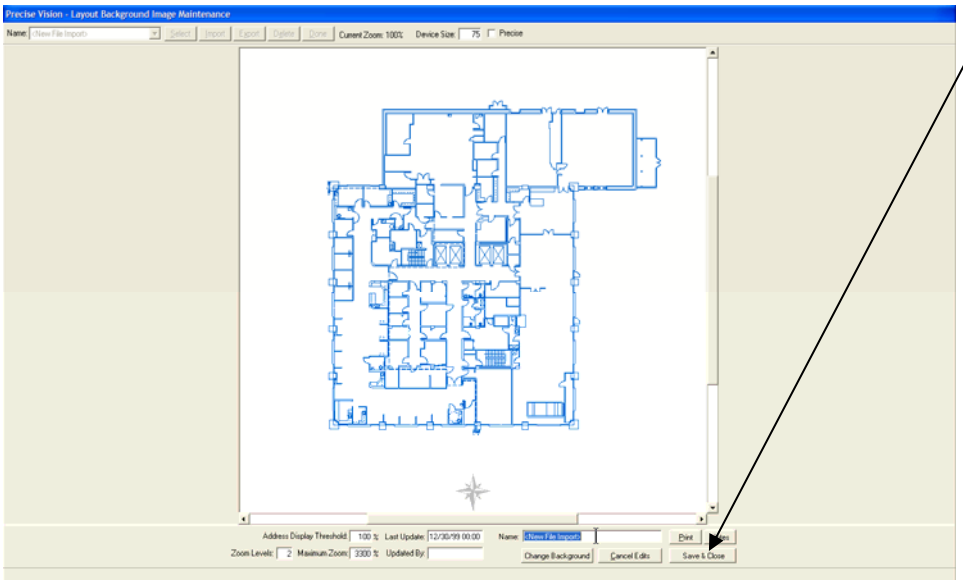
Find the image you want to use: it must be a WMF or a JPEG. Click "**Open**" to import it.



You will see a popup message asking if you want the background transparent. Choose **Yes** to use the default color for System Watch backgrounds. Most AutoCAD files have a black background, which could make printing difficult.

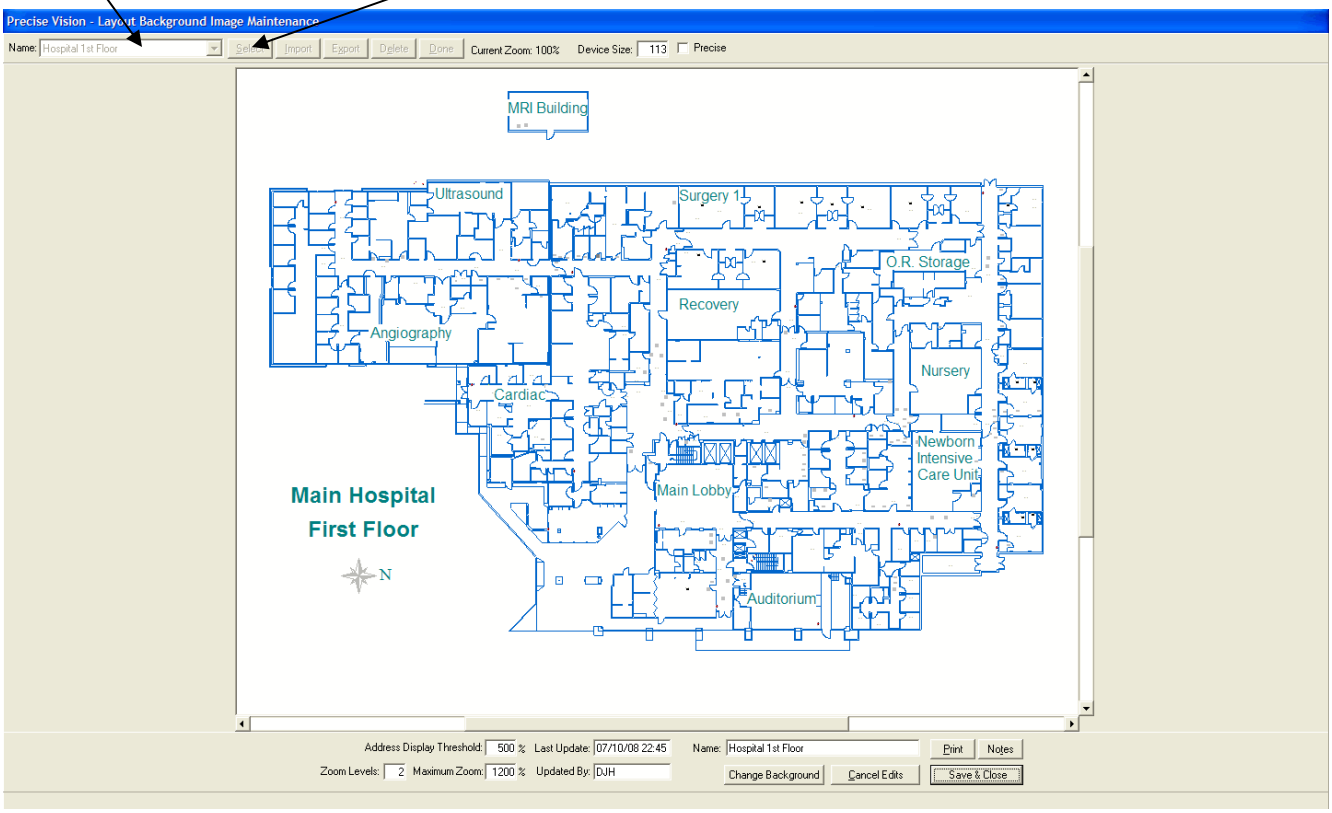


Your new background image will appear. Give it a name, adjust the “Address Display Threshold” and “Maximum Zoom” levels, and initial the “Updated By” field. Format your background image with any labels, notes, groups, and zones you like. You can also drag and drop alarms and devices, as you are about to see. After naming it, click **Save & Close** to save your changes.



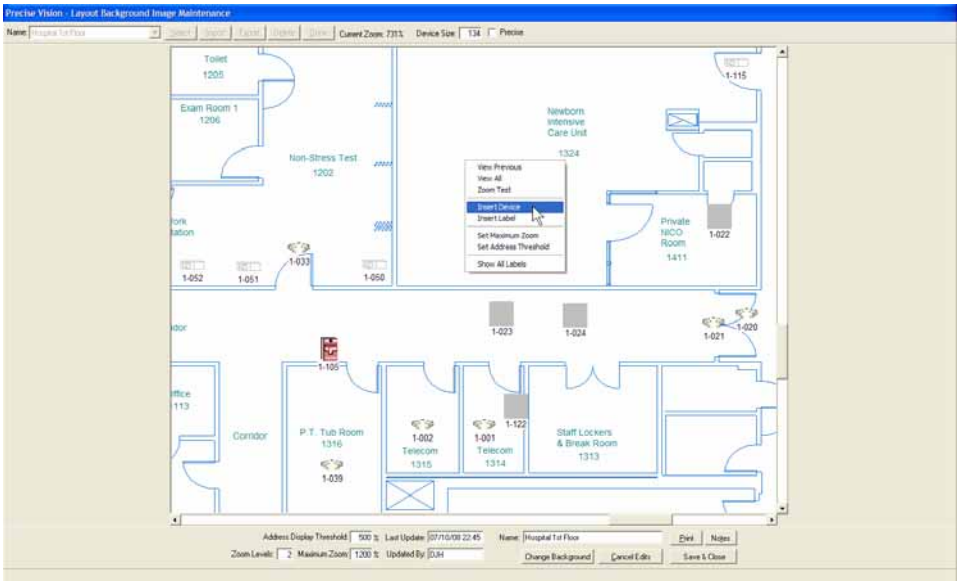
See Your Floor Plan

Your Floor Plan (Background) is now ready for customization. Any time you are ready to work on it, click the dropdown and find the file you created, then click on the "**Select"** button to bring it up for work.

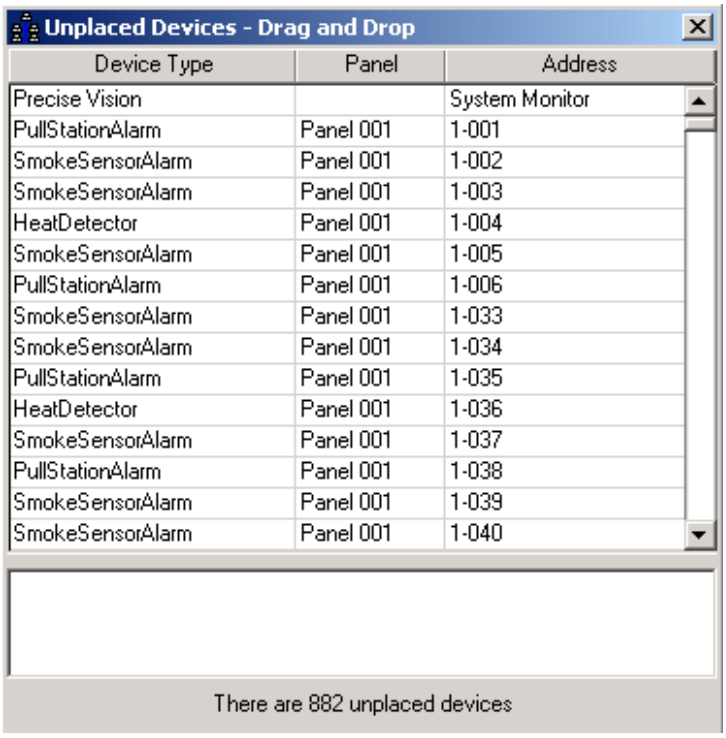


Insert Devices

If you have devices in your database that have not been placed on a floor plan, you can position them quickly and easily. Simply *right-click* on a blank area of your floor plan and select "**Insert Device**."



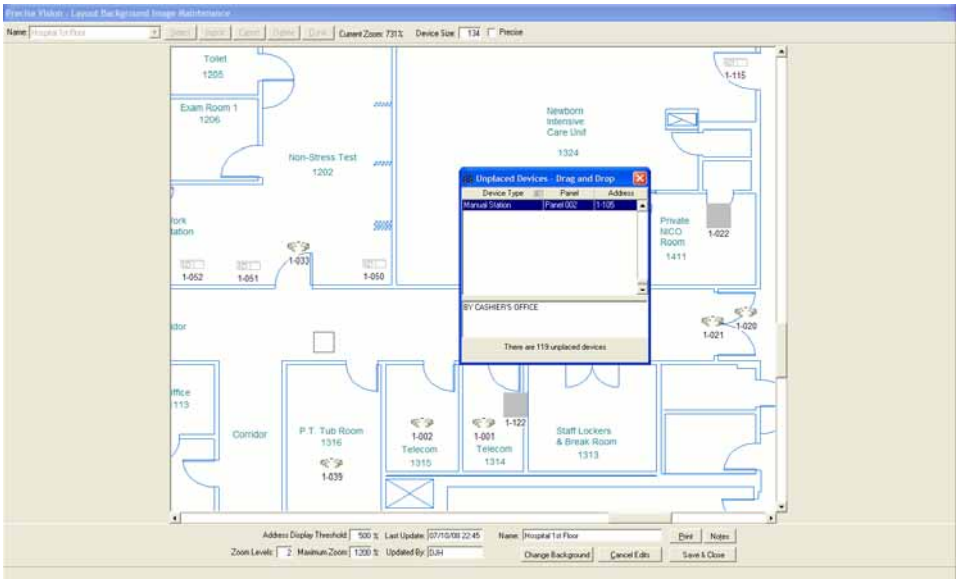
You will see a pop-up list of every device in your system that hasn't been placed on a floor plan. Highlight any device in the list, and its description will appear in the bottom window. You will also notice that the total number of unplaced devices is noted at the bottom of the screen.



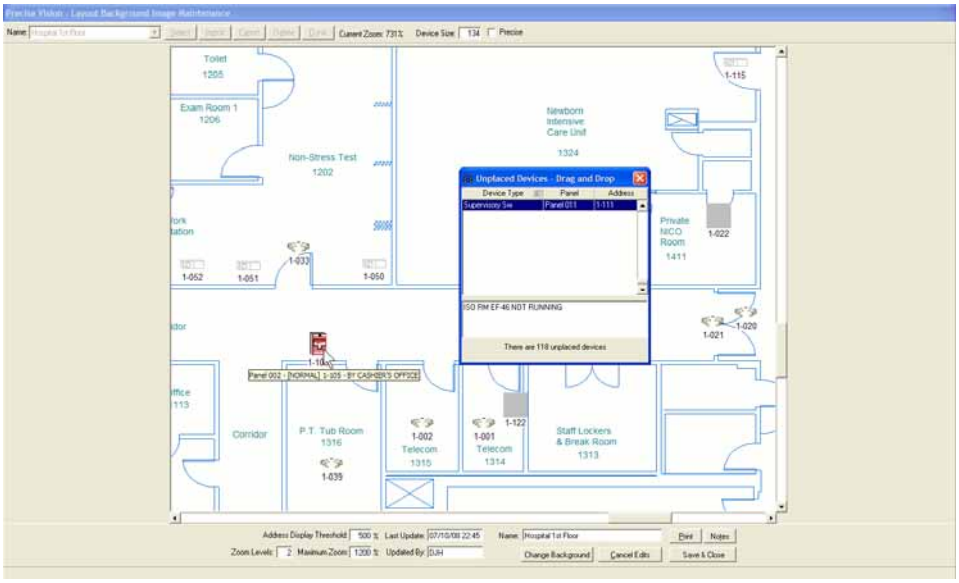
Device Type	Panel	Address
Precise Vision		System Monitor
PullStationAlarm	Panel 001	1-001
SmokeSensorAlarm	Panel 001	1-002
SmokeSensorAlarm	Panel 001	1-003
HeatDetector	Panel 001	1-004
SmokeSensorAlarm	Panel 001	1-005
PullStationAlarm	Panel 001	1-006
SmokeSensorAlarm	Panel 001	1-033
SmokeSensorAlarm	Panel 001	1-034
PullStationAlarm	Panel 001	1-035
HeatDetector	Panel 001	1-036
SmokeSensorAlarm	Panel 001	1-037
PullStationAlarm	Panel 001	1-038
SmokeSensorAlarm	Panel 001	1-039
SmokeSensorAlarm	Panel 001	1-040

Drag and Drop Devices

Click and drag the item to its proper location on the image. As you drag the device line out of its place in the window, it will turn into a small box.



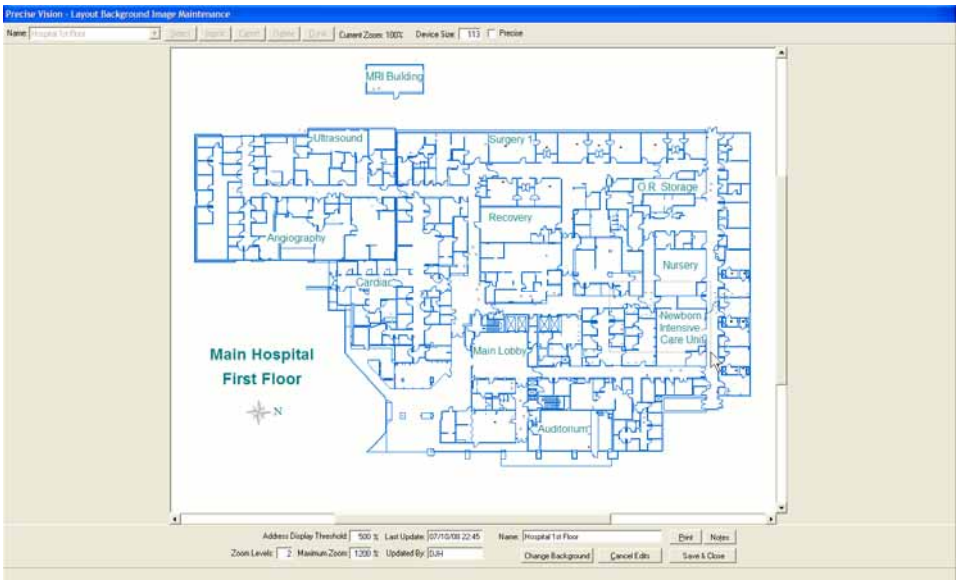
Once you **drop** each device into place on the floor plan, it will look like the device it represents.



Helpful Hint: As you drop devices into place, you do not need to worry about exact accuracy. You can always *right-click* on a device to move it, change its size, or delete it.

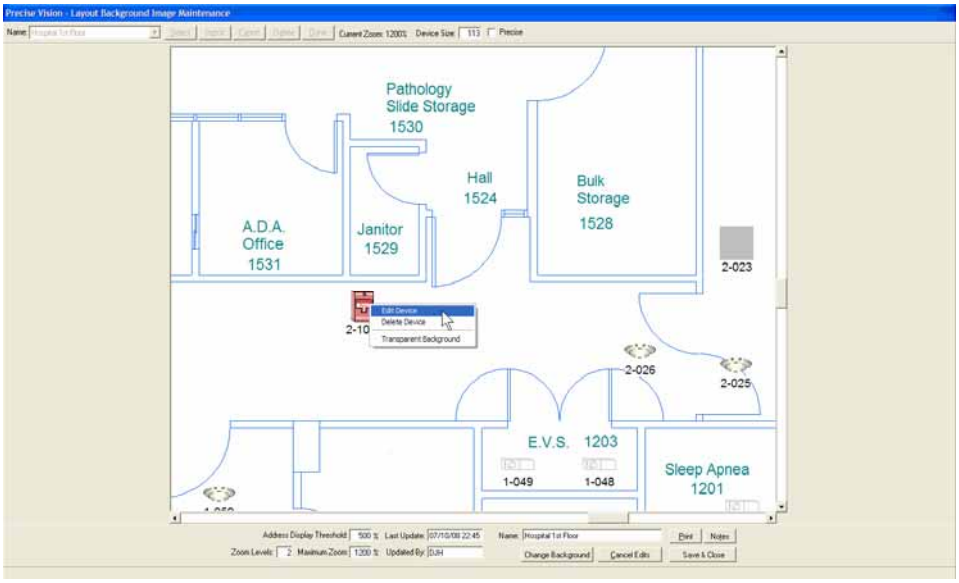
Zoom in to Edit

Click **any area** of the image and drag the automatic rectangle to zoom in on that portion of the image.



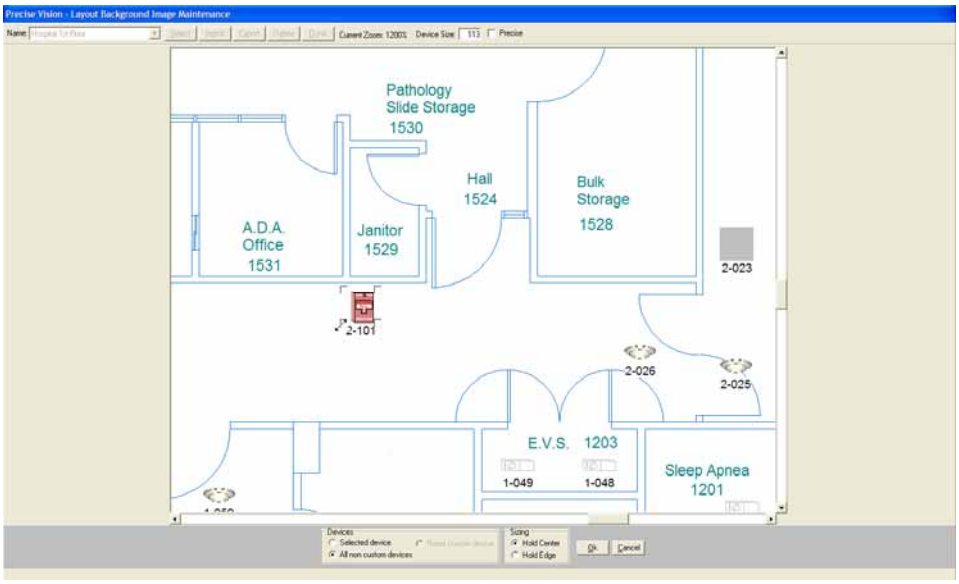
Edit Device Images

Zoomed in, you can see device images clearly. *Right-click* on any device image and you will see a pop-up menu. You can use the pop-up menu to edit a device, delete it from the floor plan, or make a device transparent. To go quickly to edit mode, you can also *double-click* on a device.



Change the Size of a Device Image

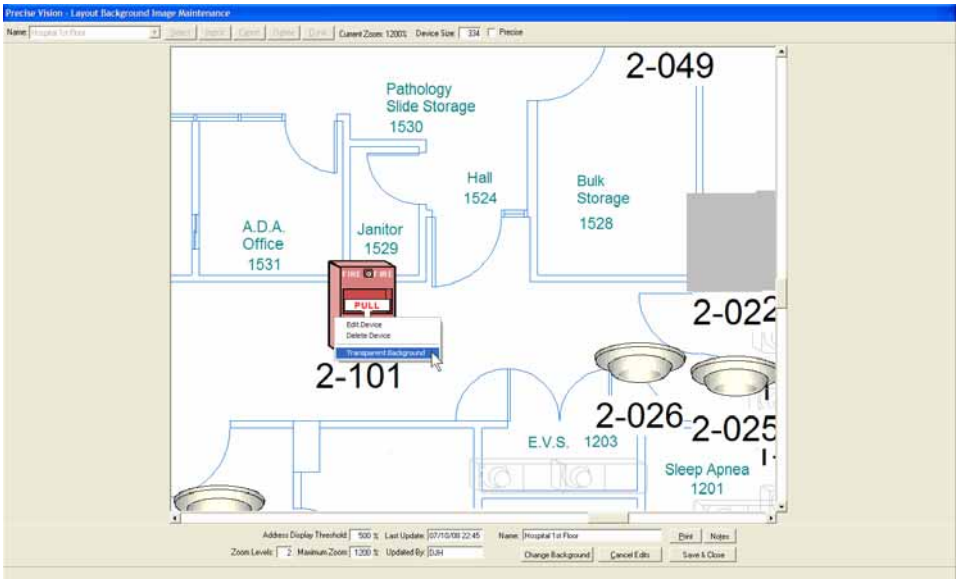
You may want to change the size of a device to make a floor plan more readable. Start by *double-clicking* on the image of the device you want to change. When you are in the edit mode of a device, you will see four "handles" or "grips" surrounding the device. You can grab one of the handles and drag in or out it to enlarge it or reduce the image.



Helpful Hint: When manually adjusting the size of an individual device as described above, USE CARE and click on the "Selected Device" button at the bottom of the screen before you do so. If you do not select this first, then any adjustment to that individual device, such as resizing it, will be transferred to ALL other devices on this background.

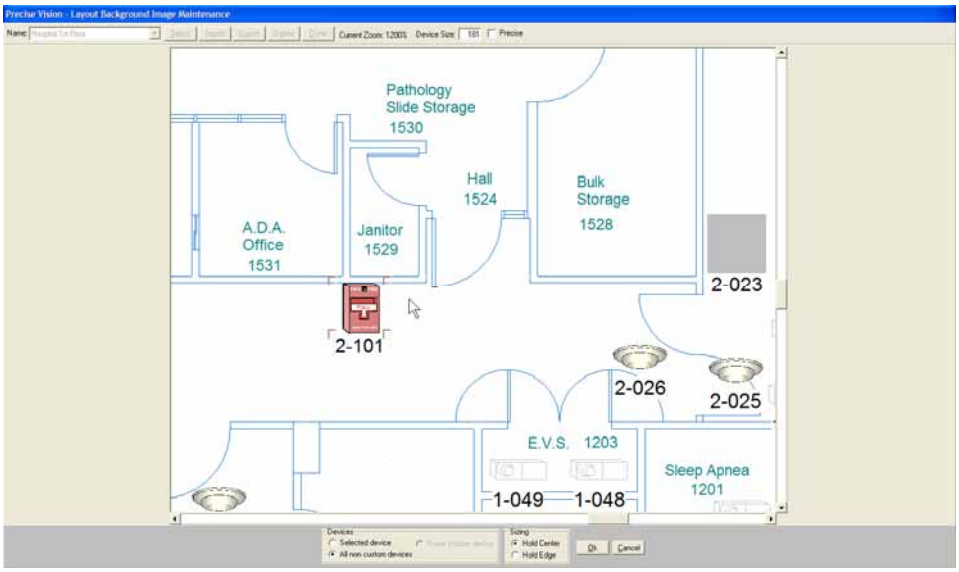
Make a Device Transparent

Choose "**Transparent Background**" if you want to see through the device image to the walls on the floor plan. Transparent backgrounds are useful if you are placing a device in a small area, like a utility closet.



Move a Device to a New Location

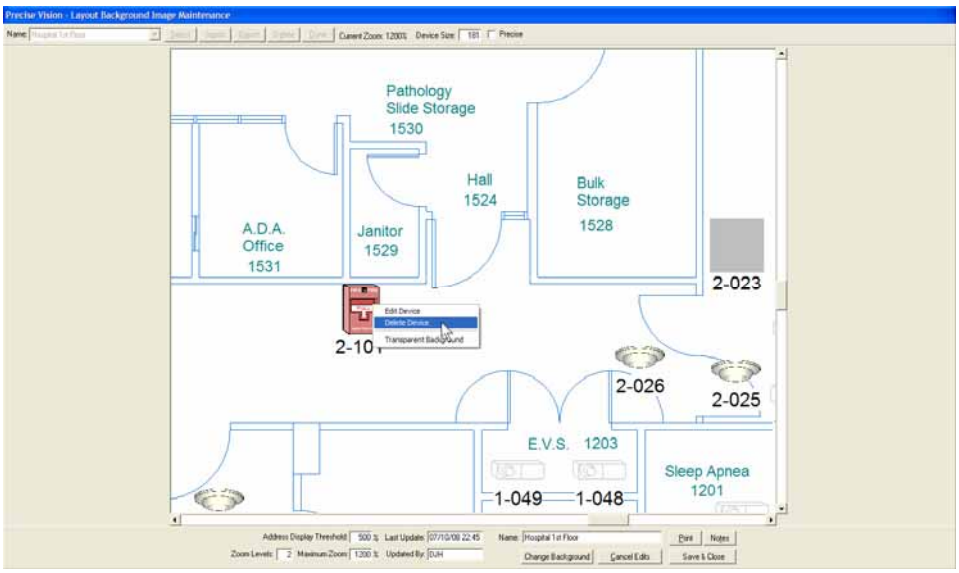
You can move a device image to any location by *double-clicking* it and dragging it to a new location.



Move a Device to a Different Floor

If the image is on the wrong floor, click "**Delete**" to place it back on the list of items to be placed later.

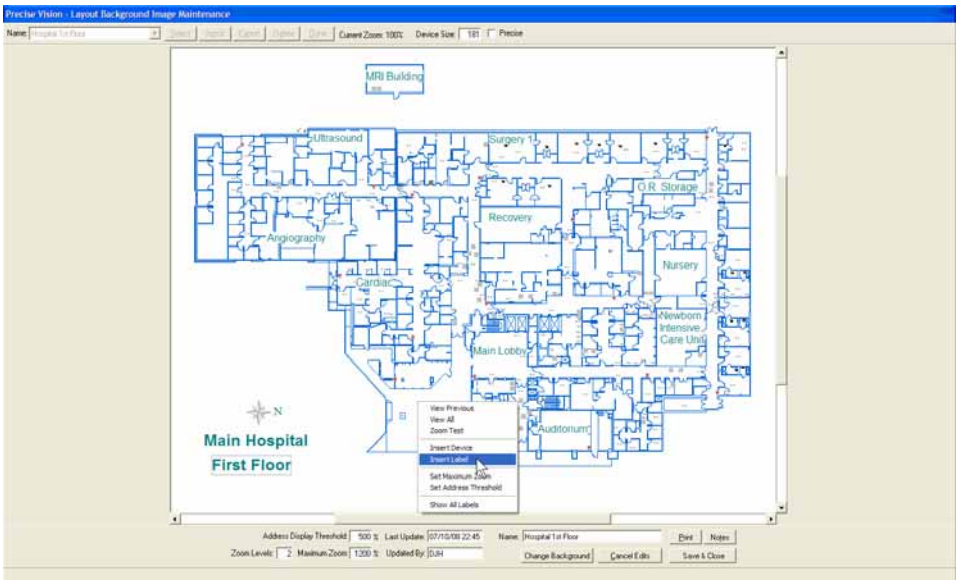
Helpful Hint: If a device is deleted from the background, it will not be removed from the database until you specifically remove it using the "System Device Maintenance" function in Configuration Manager. It will be added back to the list of system devices you used when you placed it on this floor plan originally.



Helpful Hint: By checking the "Devices" buttons on the bottom of the screen, you can choose to resize all of the devices on the background, or only one. The size you set while for "All non-custom devices" is selected will be the default when new devices are dropped onto the floor plan. By checking the "Sizing" buttons, you can choose your anchor — either the edge or the center.

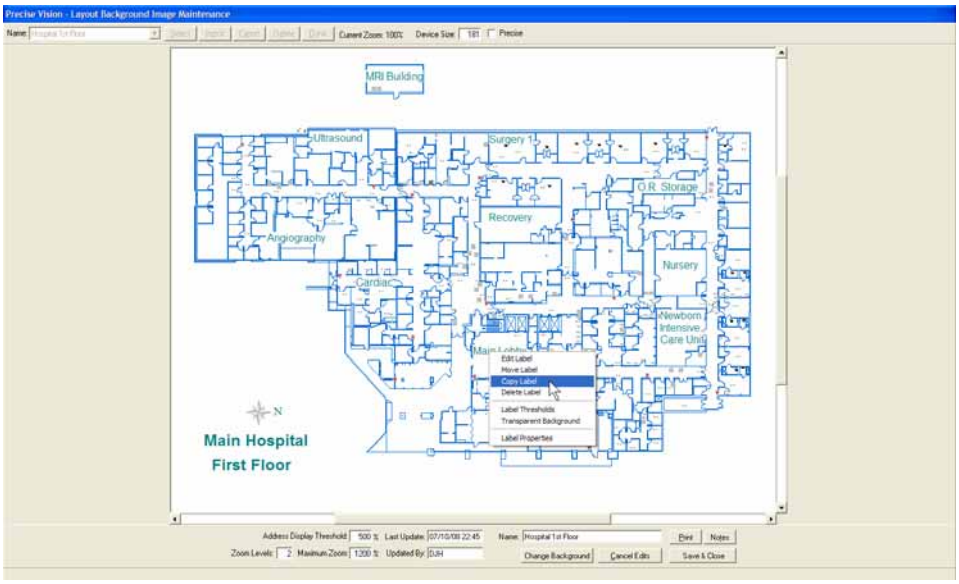
Insert Labels

To insert labels on any background image, *right-click* a blank area and choose "**Insert Label**" from the pop-up menu. A cursor will appear wherever you clicked. Type your desired text.



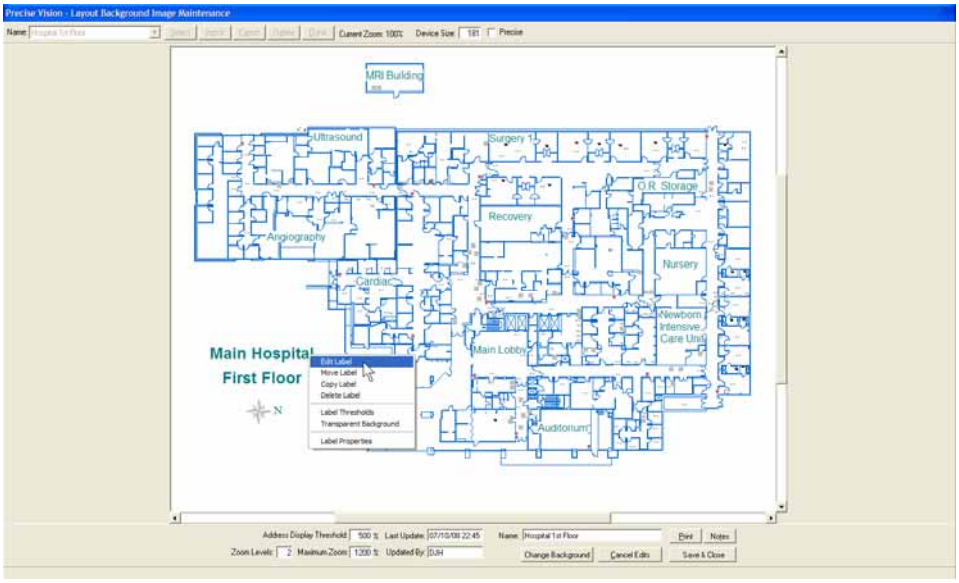
Copy Labels

The easiest way to add a new label is to copy an existing label — especially if you have already formatted your existing labels with the font, size, and style you like best. Your new label will have the same properties as the original. To copy a label, *right-click* it and select "**Copy Label**" from the pop-up menu. Once you have dropped a new label into its new location, *right-click* on it. Choose "**Edit Label**" from the pop-up menu and change the text. You can also *double-click* on a label to edit the text.

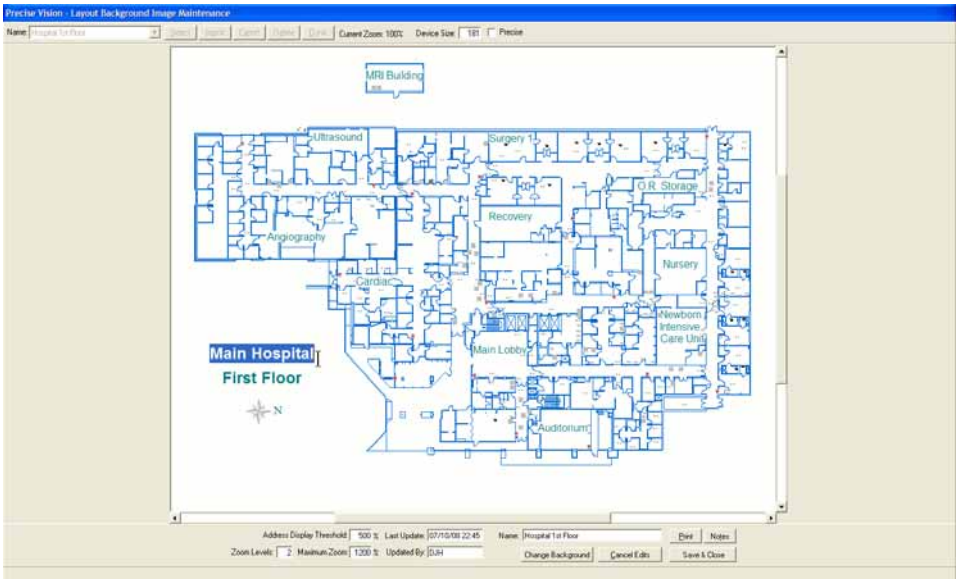


Change Text

To change the text of any label, *right-click* on that label and select "**Edit Label**" from the pop-up menu.

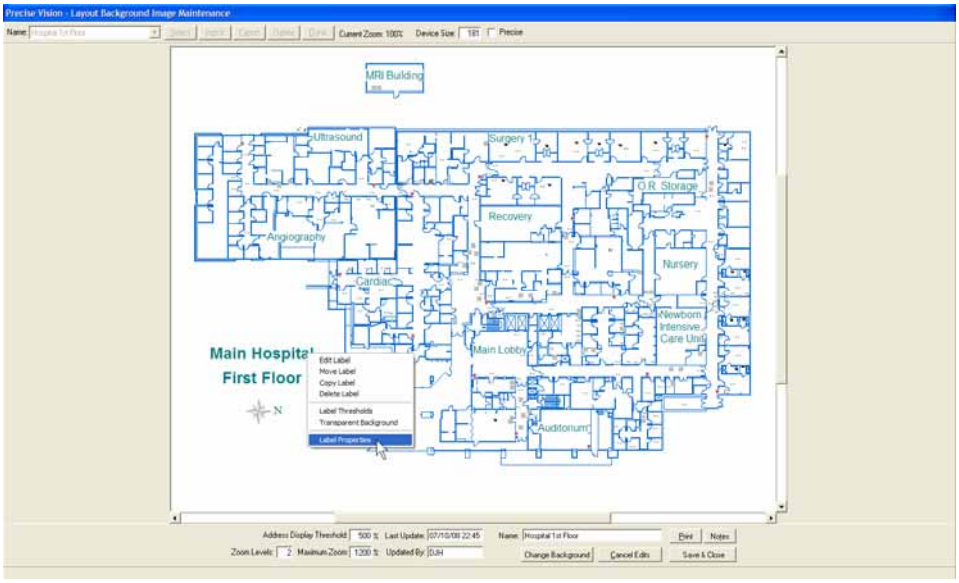


Change the text of the label and hit the ENTER key on your keyboard.

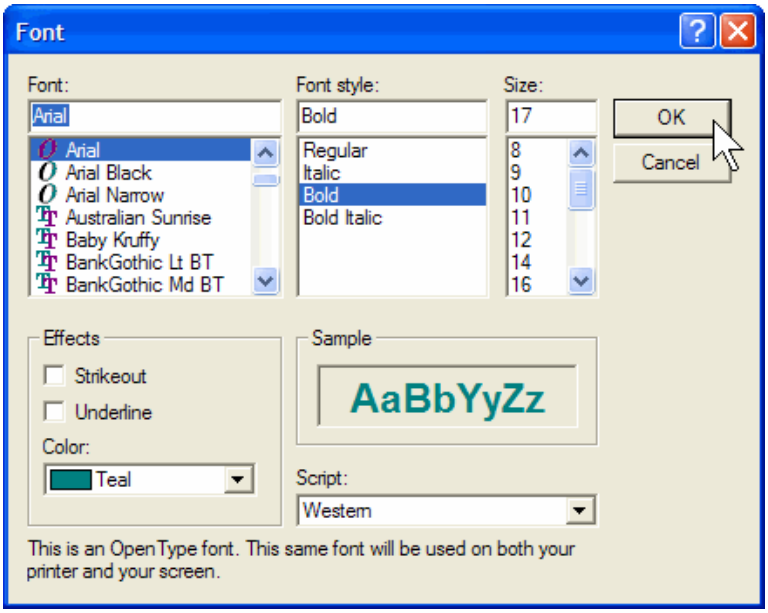


Label Fonts, Styles, Colors, and Sizes

You can format your labels in any Windows font, style, color, or size. To change the appearance of a text label, *right-click* on that label and choose "**Label Properties**" from the pop-up menu.



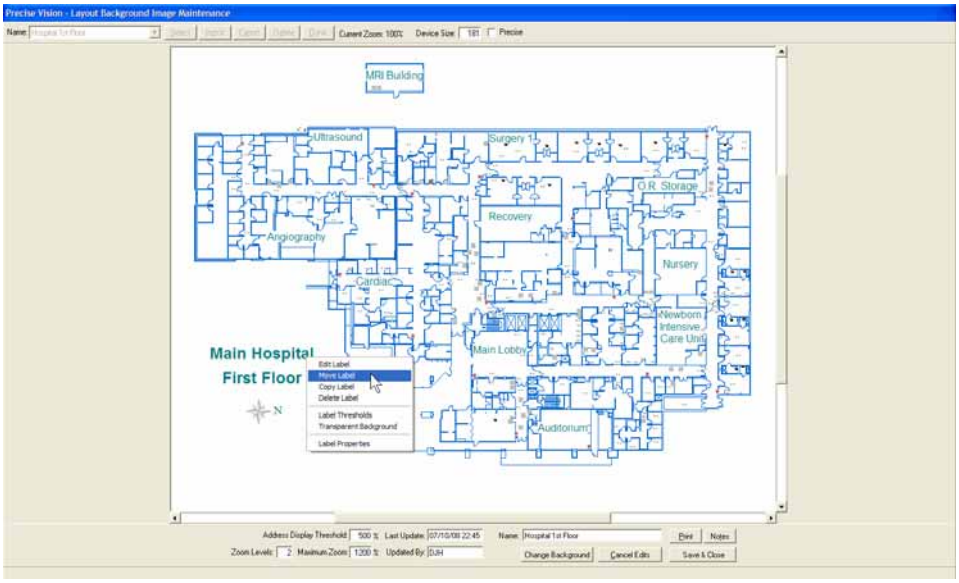
Choose the font, style, size, and color you want. For this example, we have chosen Arial Bold, in black.



Helpful Hint: When you edit label properties, the changes you make will apply to any new labels you create until you change the properties again.

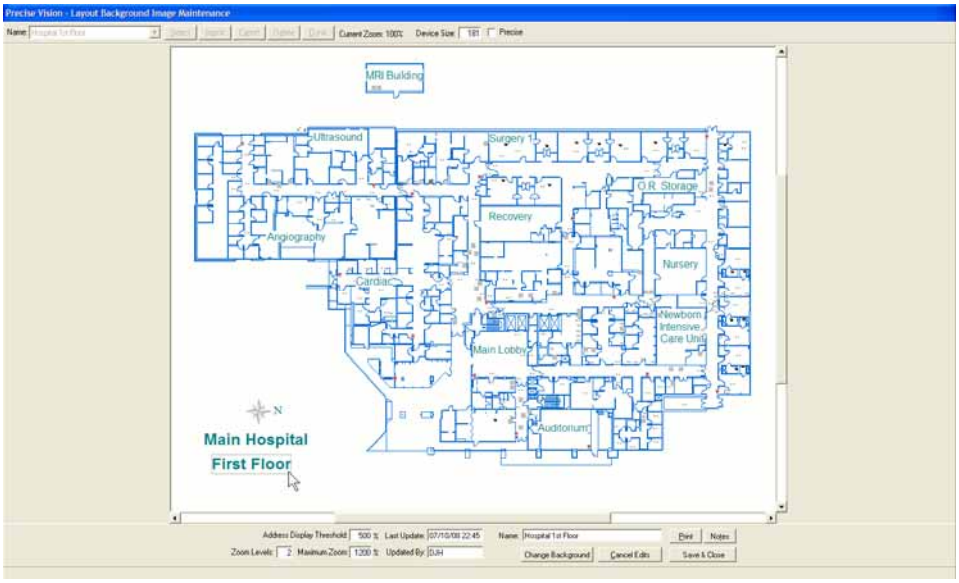
Move Labels

Once you have changed the font for your labels, you can move them around the floor plan. First, *right-click* on the label you want to move. A pop-up menu will appear. Select "**Move Label**."



Drag and Drop Labels into Place

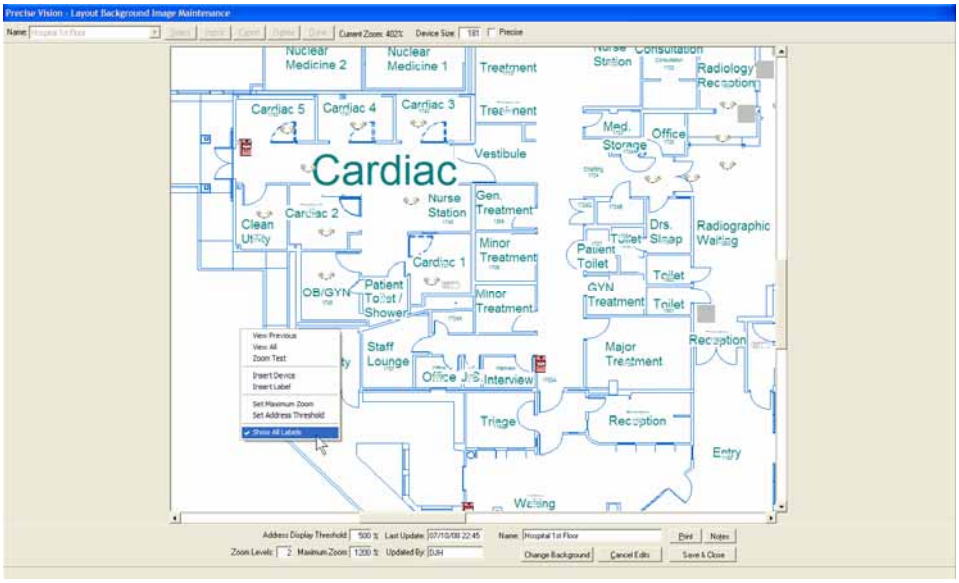
The label you selected will be surrounded by a box. Grab the label with your mouse, **drag it** to a new location, and **drop it** into place.



Show All Labels

When you start zooming in to work on floor plans, you will probably notice that you can't see any labels. Precise Vision is designed to hide full-size labels when you zoom in. If the labels were enlarged along with the rest of the floor plan, they would look huge. Likewise, when you look at an entire floor plan, details like room numbers are usually too small to read — but when you zoom in, you'll notice that there is plenty of space to add additional information such as room names and numbers. As you work with background images, you will be able to place a separate set of labels for each zoom level. Most users establish two sets: one for full screen, and one for maximum zoom.

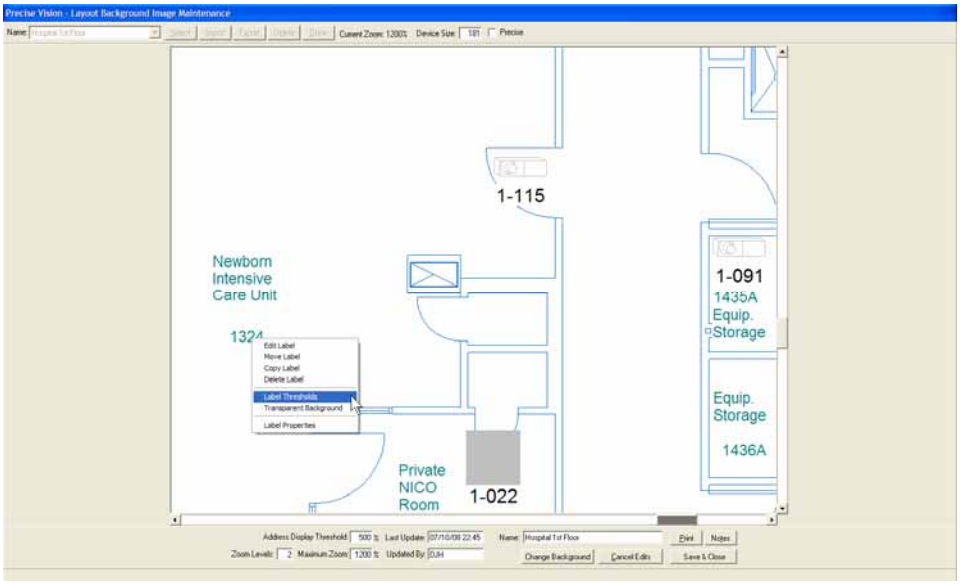
To see every set of labels on your floor plan, *right-click* anywhere on the floor and select "**Show All Labels**."



Helpful Hint: Remember that when you mouse over a device, you will automatically see its panel, its address number, and its description appear. As a result, you might choose to rely more on that information and use fewer labels on your floor plan.

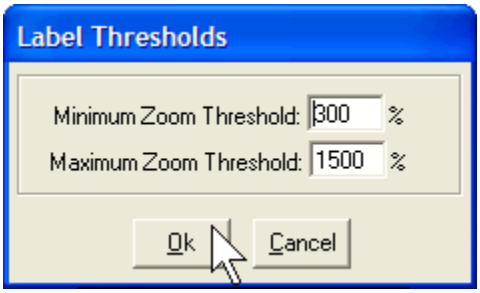
Change Label Thresholds

By setting label thresholds for each floor plan, you can make large labels disappear when you zoom in, and add smaller, more detailed labels for close-up viewing.



Set Zoom Thresholds

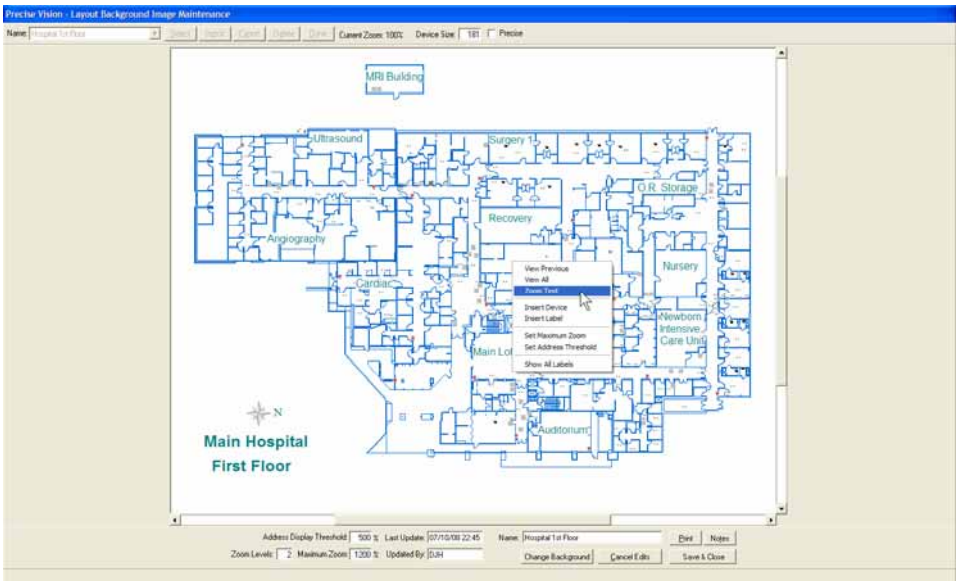
You can choose any zoom threshold between 100 percent and 3300 percent. Most people choose a zoom of 100 percent to 200 percent for large area labels, and 200 percent to 500 percent for smaller, detail labels that show when the floor plan is zoomed in the first time. Set thresholds from 500 to 3300 percent for the second-level zoom. This zoom threshold means the label will not appear on the background until someone has “Zoomed In” and enlarged the view by this percentage.



Helpful Hint: Feel free to experiment with your label thresholds, and find the parameters that look best on your background maps and floor plans. You can use the “Zoom Test” and “Show All Labels” functions shown on the next pages to check your results.

Zoom to Test Your Label Thresholds

Look at the “Current Zoom” indicator on the top right corner of the screen that says, “Current Zoom: 100%.” Whenever you zoom in on any area, the indicator will show how much the picture is enlarged. When you see the same floor plan in System Watch, you will be able to click a “Zoom In” button to enlarge the image. You can use the fields at the bottom of the screen to customize that “Zoom In” function.

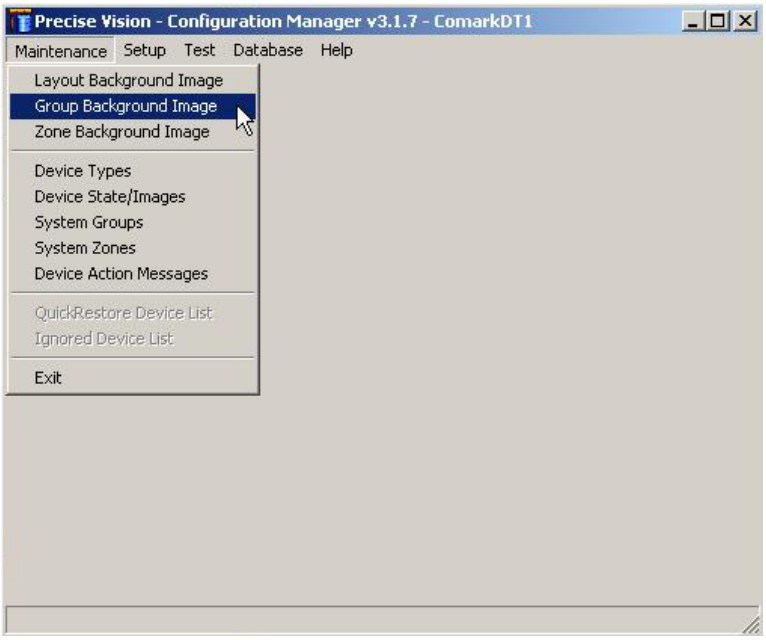


- The “Address Display Threshold” field, which in this case is set to 200 percent, means that address labels will not begin to appear until the System Watch user zooms in to at least 200 percent.
- The “Zoom Levels” field determines the number of times a user must click the “Zoom In” button to reach maximum zoom.
- The “Maximum Zoom” field represents the maximum percentage that an end user can zoom in on a floor plan.

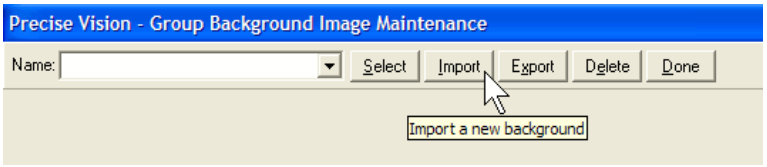
To see the effect your changes in any field make for the end user, right-click on the floor plan. Select “Zoom Test,” and you can toggle between the setup screen and the System Watch screen’s preset zooms.

Add a Group Background Image

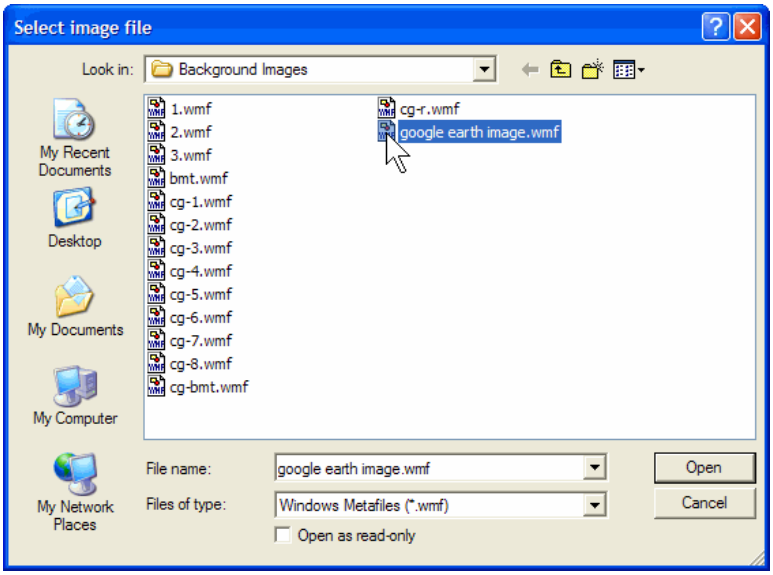
You can add a group background image so that you can see when any device in a group goes into trouble or alarm. Start by opening Configuration Manager. From the "**Maintenance**" drop-down menu, select "**Group Background Images.**"



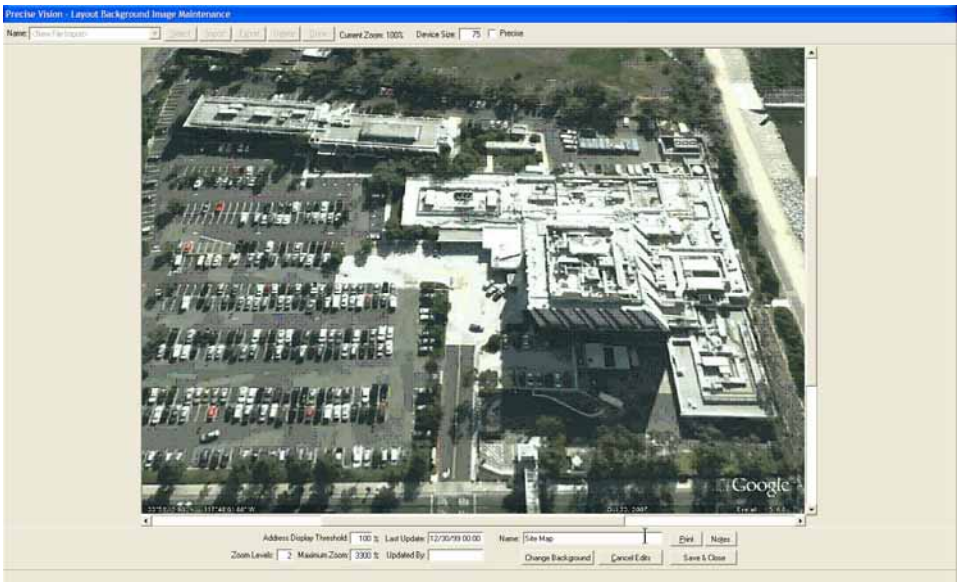
The "Group Background Image Maintenance" window will fill your screen. Click "**Import**."



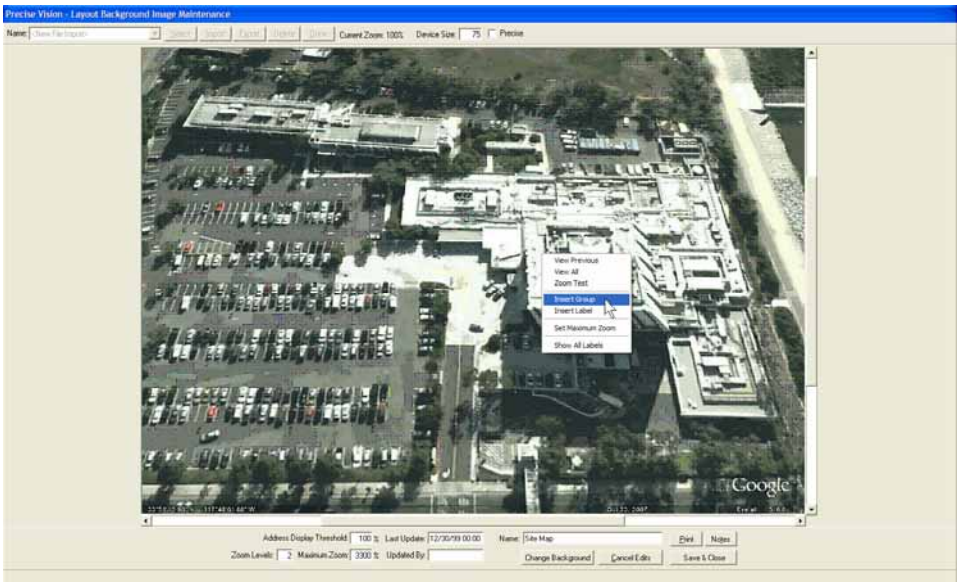
Find the image you want to use. (It must be either a WMF or a JPEG.) In this instance, we're going to find an aerial view of Sample Company's site. Click "**Open**" to import the image.



Give your new background image a name. (We are calling it “Site Map.”) *Right-click* anywhere on the image and choose “**Insert Group**.”



A “Precise Vision Group Selection” window will appear. Highlight the group you are working with, and start sliding it out of the window. As you move the line out of the selection box, it will turn into a colored box. **Drag it** into position on the background image and **drop it** into place.



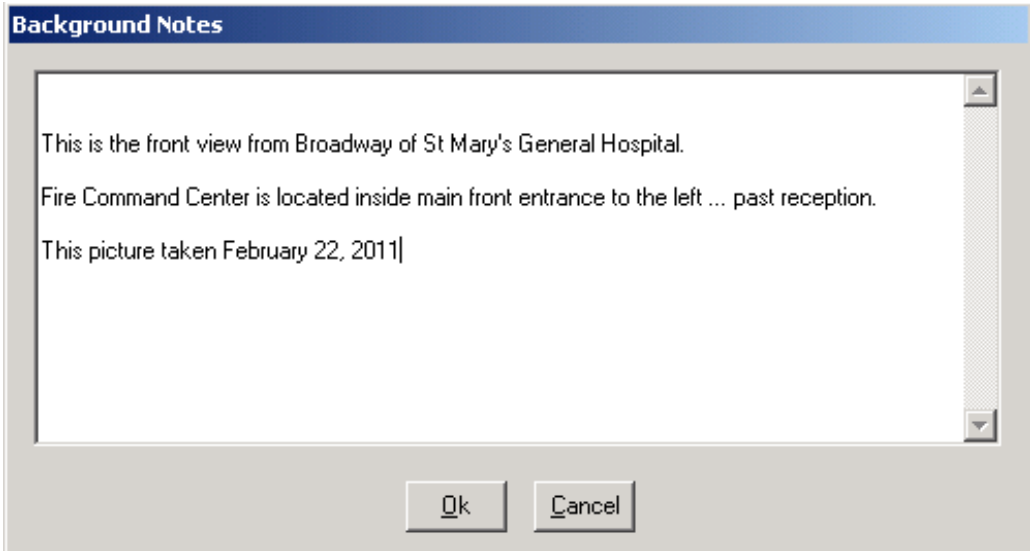
You can click and drag anywhere on the background image to zoom in. To adjust the size of the box *double-click* on it or right-click on that box and select "**Edit Group**." When you are done, click "**Update**."

Helpful Hint: Compare your own "Current Zoom" at the top of the screen to the "Maximum Zoom" listed at the bottom of the screen. If your picture is still relatively clear — like this one is — you should modify your "Maximum Zoom." In this case, we will change the "Maximum Zoom" setting from 3300 percent to 400 percent.

Add Background Notes

When you are setting up background maps and floor plans, you can add background notes for future reference. Just click the "**Notes**" button at the bottom of the "Layout Background" screen.

We recommend that you note the source of your background image, its current folder and file location, and any other information you might need later, just in case you need to revise a background map or floor plan. The comments you enter in background notes will not appear elsewhere in your Precise Vision system; they are strictly for your own reference.

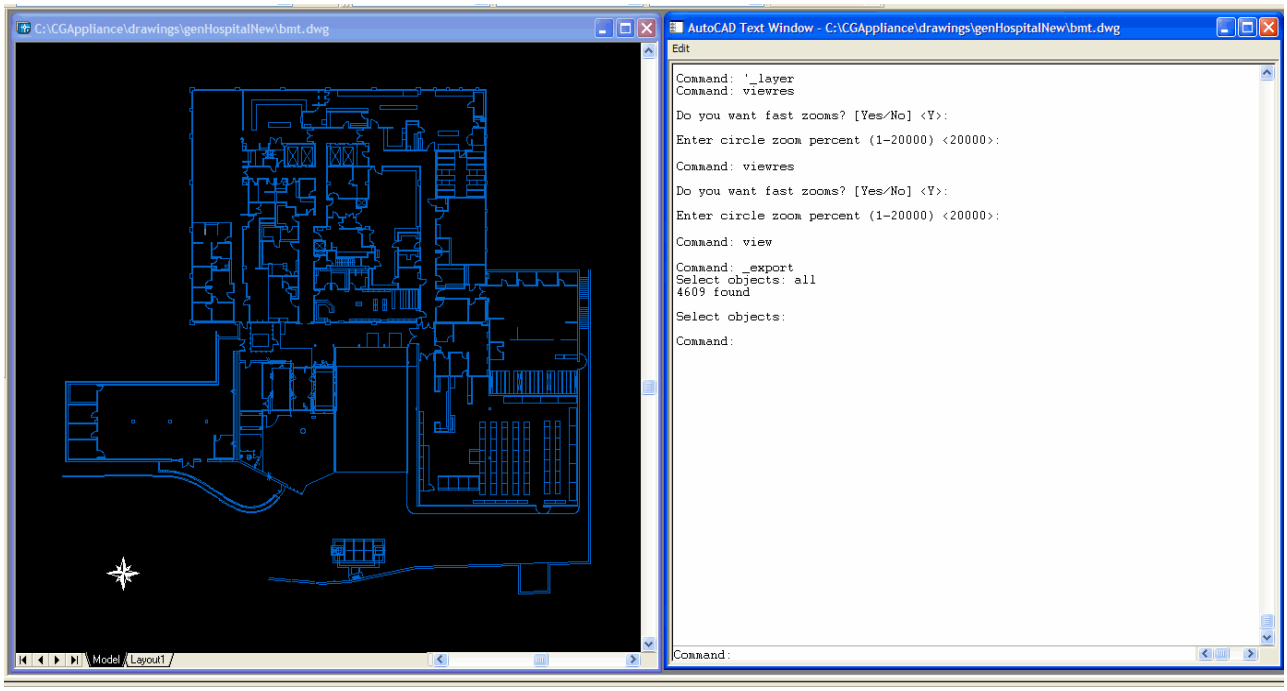


Background Map and Floor Plan Checklist

Here is a list of things to double-check once you have finished setting up background maps and floor plans.

- Make sure that your organization's name is spelled and capitalized correctly.
- Double-check street addresses; make sure that they are complete and correct.
- To avoid confusion, spell out any abbreviations. Use "Street," for example, not "St."
- Include each building's full name. If your staff people or local residents use any other names or nicknames for some buildings — such as the "Old Gym," for example — include them *in addition* to the official name.
- Orient each map or floor plan with north at the top. Use a compass rose to point to north, south, east, and west.
- Use large labels for major building areas, such as "North Wing" or "Intensive Care Unit."
- Use smaller labels for more specific building areas — typically, room numbers or office names, such as "Engineering" or "Supply Room."
- Double-check the readability of your labels and addresses at various zoom levels.
- Check all devices using Configuration Reports, which will list every device. The left column of the printout includes the name of every device. The right column will list the name of each device's background. If that field is blank, it means the device is not placed on a floor plan.
- One other tip: You can also use Configuration Reports to tell if you've put a device on the correct floor. If all the devices are listed as being on the first floor, but in the middle of the list one is alone on the third floor, double-check it. Device addresses are sequential, and they are usually grouped by floor.
- Put your initials in the "Updated by" field.

Tricks of the Trade: How We Make Backgrounds for Our Customers



If you have AutoCAD software, it's easy to save CAD files as Windows metafiles for your Precise Vision system. Just make sure AutoCAD is open and running on your computer, and open your CAD drawing file (DWG). Open the "File" drop-down menu, click "Export," and locate the folder on your hard drive. By default, your new file will be listed in the same folder, with the same name, and a WMF extension. Click "Save." You will be asked to "Select Objects." Click on the entities or window around the drawing to select everything you want to include in your WMF. Click "Enter" and AutoCAD will save the file as a WMF.

At Fike, we go through a few extra steps when we convert our customers' background maps and floor plans to WMFs. First, we usually change the colors — because it's not uncommon for architects' doors and windows to be red, yellow, and bright blue, which detract from locating alarms in Precise Vision. We usually change walls to Windows Color 132 (cyan), and we change doors, stairways, and fixtures to Windows Color 8 (a dark gray).

We use the command "VIEWRES" and set AutoCAD for fast zooms, to make sure that the finished WMF will be the highest possible quality when Precise Vision users zoom in. We set the resolution value to its maximum of 20,000. Otherwise, when users zoom in on curved lines, they see jagged edges, and circles actually look more like stop signs.

We also spend adjust the visible area of the WMF. We frame the image on screen to make it more aesthetically pleasing, and to create a size that we can duplicate exactly if we need to revise the floor plan later. We like to see space evenly distributed around all four sides, with enough space on the floor plan itself for labels and addresses. Then we zoom in on that rectangle and adjust the size of the edit window to move the border to the very outside edge of the screen, so it almost disappears from view. Then we select the visible image and save it as a WMF.

This page intentionally left blank

Chapter 11: Setting Up Ports and Panels

With Precise Vision, you can monitor a single alarm panel or an entire network of controls. Precise Vision will connect to them all. This chapter will show you how to configure your Precise Vision system to recognize and receive data from the panels on your site.

Port and Panel Basics

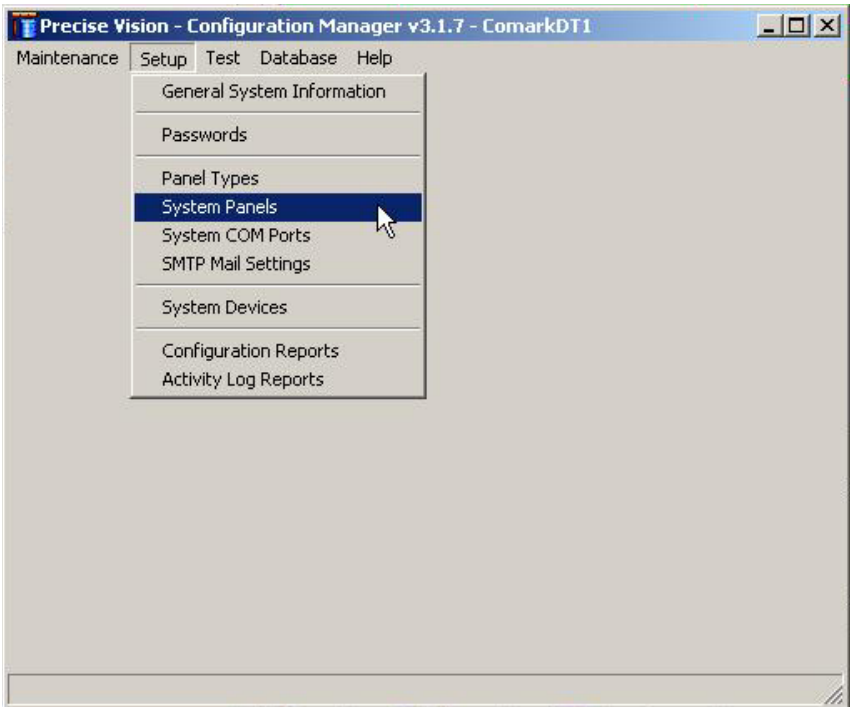
In order for Precise Vision to receive information about alarms and devices on your site, you will need to connect your alarm panels to your Precise Vision computer. In fact, with Precise Vision you can actually monitor an entire network of control panels through a single COM port. Alarm panels and your Precise Vision computer share common languages: RS485 and RS232 data. Precise Vision translates that data into plain English, and displays it on color-coded lists, graphic images, and maps and floor plans. You can hard wire your panels directly to your Precise Vision computer via RS485 or RS232 MIM connection.

In Fike Alarm systems, every device has a panel loop and address number: 1-001, 1-002, or 1-003, for example. If your facility has three alarm panels on site — three *nodes*, in other words — each node might assign those same three numbers to three separate devices. Ultimately, you could have several devices that are all assigned the same loop and address. Precise Vision eliminates the confusion by combining panel node numbers and addresses, so no two devices have the same exact address.

Configure Panels for your Site

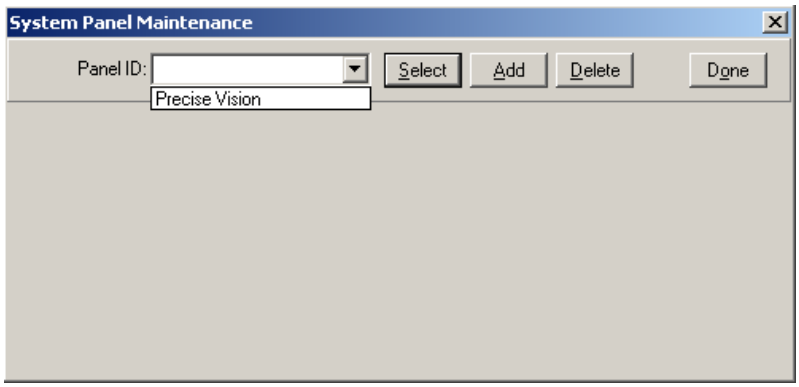
You will start the Precise Vision connection process by entering information about the types of panels on your site, and then specifying information about each panel in the system. If, for example, your facility has three panels — all of the same make and model — you will need to create three system panels with one panel type.

Start by opening Configuration Manager. Go to the "**Setup**" drop-down menu and click on "**System Panels**."

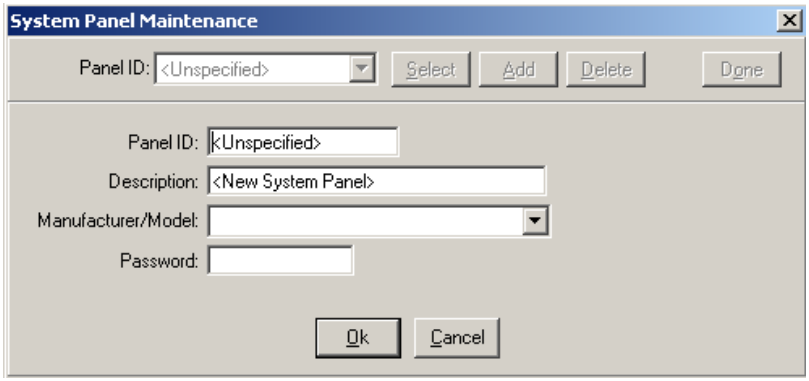


Select a Panel

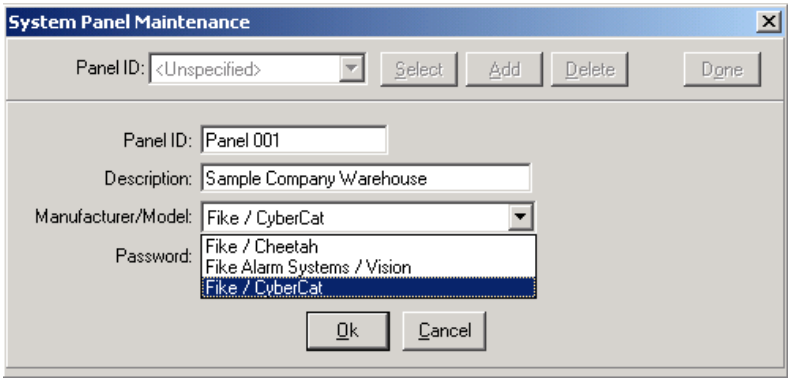
The "System Panel Maintenance" window will open.



In the Panel ID drop down list, you will see only one default panel, Precise Vision. That needs to stay as a type of Panel. But in order to receive data from a fire panel, we must add that panel here first. In this example, we will configure a fire alarm panel….so first we need click on Add

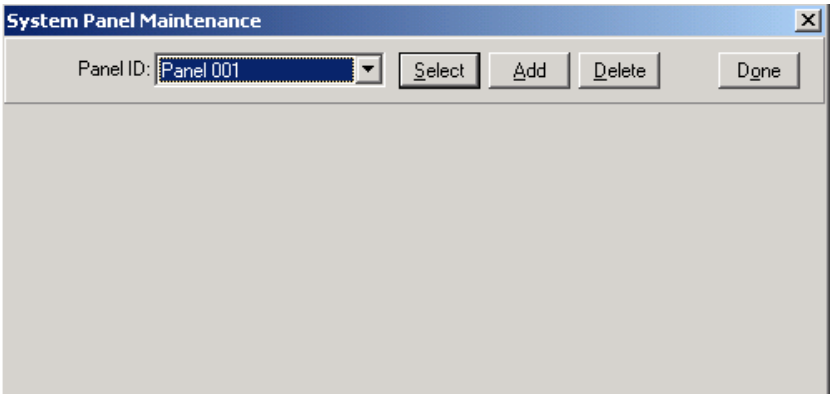


You will see several blank fields to customize. Simply replace the bracketed text with the same names you used to overwrite the existing default panels. Enter a Panel ID for the panel, such as "001". Then enter a longer, expanded description after each ID. The information you enter will be displayed on the System Watch screen, so it should make sense to your end users. Be specific, and use a name that everyone on your staff will recognize: "Sample Company Warehouse," for example, as opposed to a more generic "Building A." Then choose from the drop-down list of Manufacturer/Model to choose the correct panel. The options you should see are shown below.

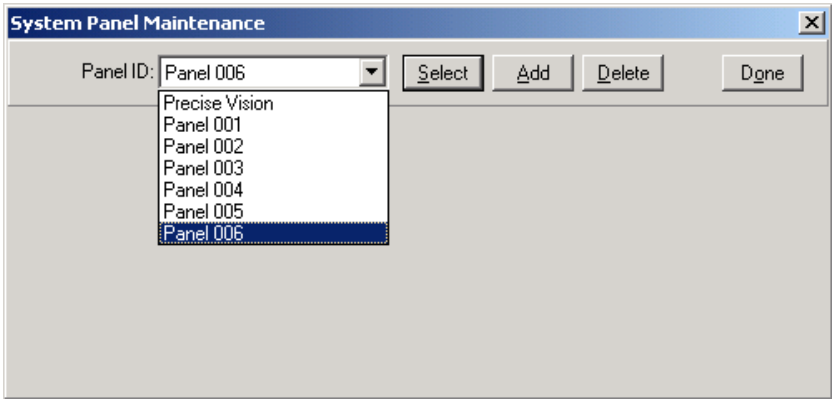


For manufacturer and model, select "Fike / CyberCat" and then click Ok

If you need to add more panels, click on Add and repeat the steps we just followed, including entering a Panel ID, giving an understandable description name to the panel, and choosing the appropriate type of panel from the drop down list.



When completed adding all the panels on your system, you can Select any of them now from the Panel ID dropdown list to edit them at any time you need to.

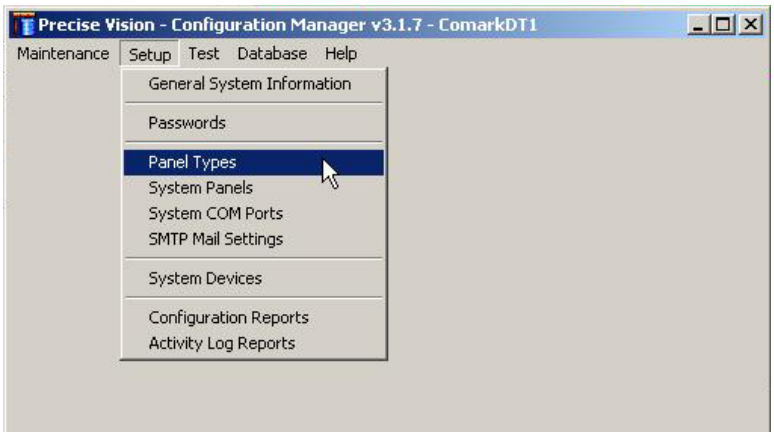


After the last new panel type has been added to the system, click on Done

Helpful Hint: The Panel ID does not have to match the messages that the control panel sends. The Panel ID you enter on this screen will simply be displayed to System Watch users. If you have two networks of panels connected to one Precise Vision computer, for example, the first network might connect three panels: “001,” “002,” and “003.” You might want to call the panels on the second network “004,” “005,” and “006.”

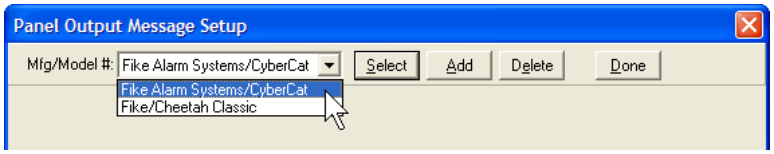
Add Additional Panels with Pseudo Points

Some control panels have unique messages, such as low-battery warnings, that don't follow the normal device-address format. If you want to include them in your Precise Vision system, you will need to create an address, or *pseudo point*, that can be assigned to each device. Then you will be able to locate those devices on a background map or floor plan. (If your control panel was listed in the drop-down "Manufacturer/Model" list, you can skip the next few pages and move on to System COM Ports.) Start by opening Configuration Manager. Go to the "**Setup**" drop-down menu and click on "**Panel Types**."

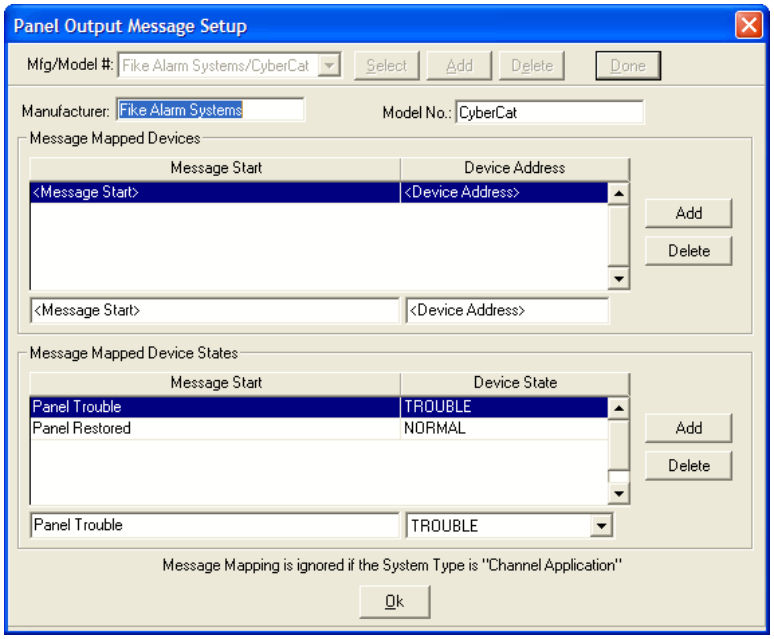


Use Pre-Set Panel Types

Use the drop-down menu to view a list of pre-set panel types. If your panel is not listed, click Add

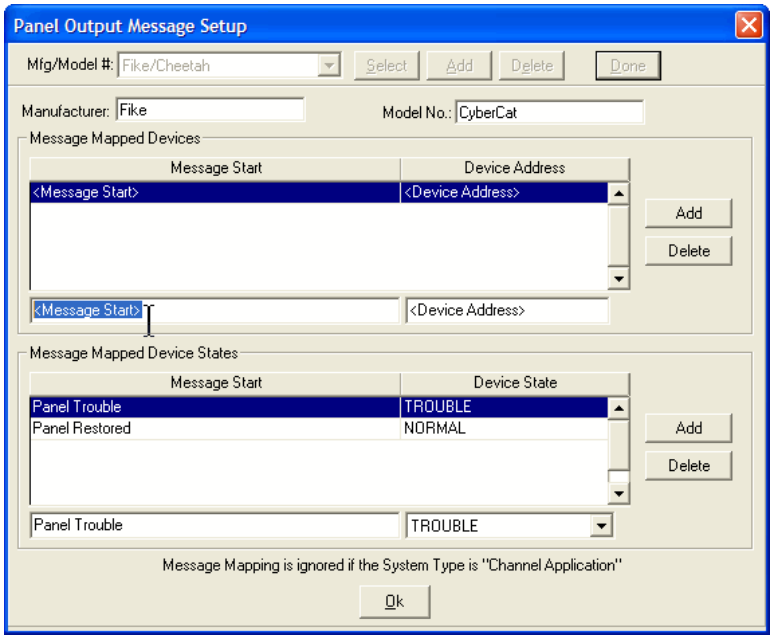


Enter a name and model number for your panel type. The name and model you type in are not fields that need to match anything specific; they are strictly for your own reference.



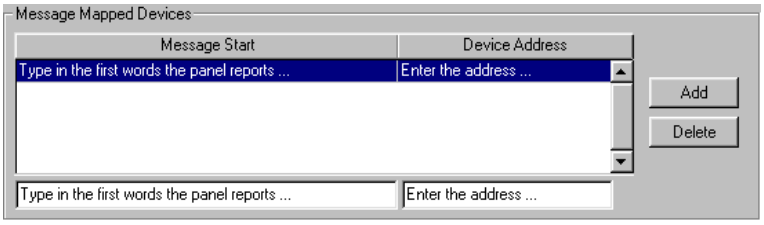
Assign Messages to Addresses

Next, assign the unique messages to addresses. Use the edit boxes in the center of the window.



Helpful Hint: To test your address assignments, run System Monitor and make the panel report the message by activating the event. For example, if you have mapped the phrase “low battery” to a new address called “BATTERY,” try disconnecting the battery while System Monitor is running. A new pseudo device with the address “BATTERY” will be automatically added to the database, and it should appear in the System Watch list.

Simply click on the <**Message Start**> and <**Device Address**> lines to highlight them, and type in your new text.

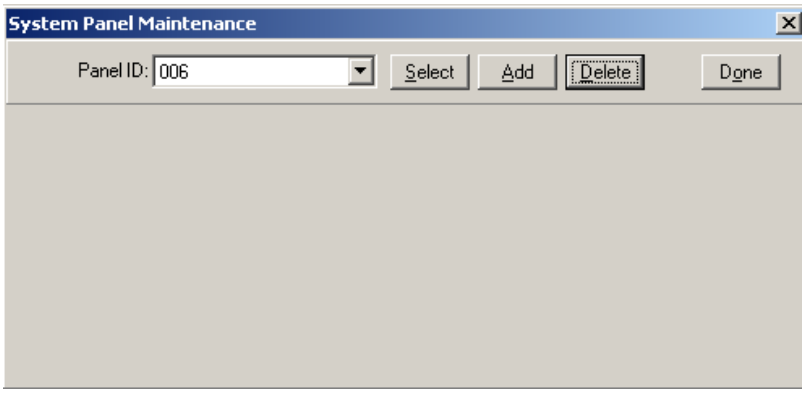


After the pseudo device is automatically created in the database, assign a device type, description, and any other information you would like to include in the System Devices list to further clarify the event. You may also want to drop an icon of that device onto your background floor plan.

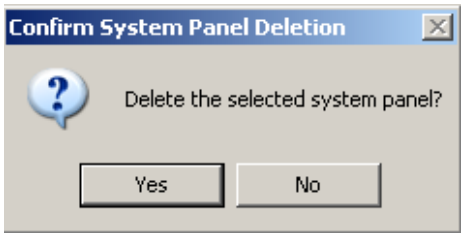
Click Add to continue adding psuedo points. Click Done when you are through.

Delete Unused Panels

If you do not have a particular system panel on your site, delete it. Get the Panel ID of the panel you wish to eliminate, and press Delete



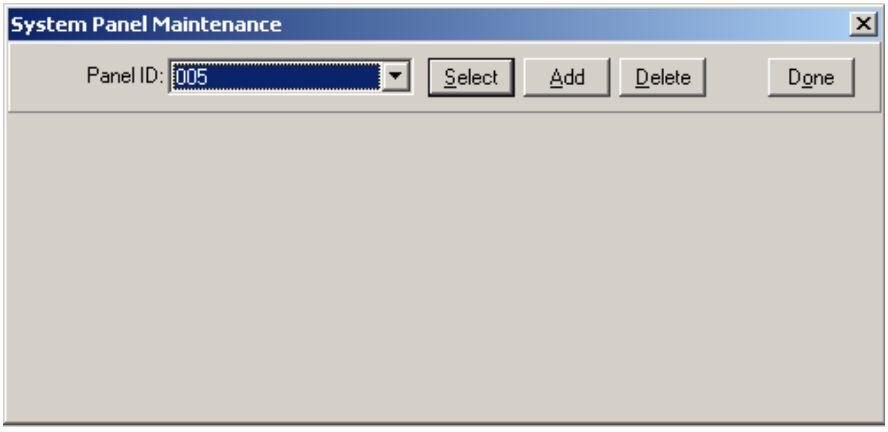
You will be asked to confirm the deletion. Click Yes to delete.



Helpful Hint: If you delete a system panel, you will wipe out Precise Vision' record of any devices that were associated with that panel. The devices themselves will remain in the database until you manually associate their addresses with a panel or delete them. However, you should only delete a panel if you also intend to delete the associated devices — as when you remove a sample panel from the default database, or if you are installing a new replacement panel with a new series of device addresses.

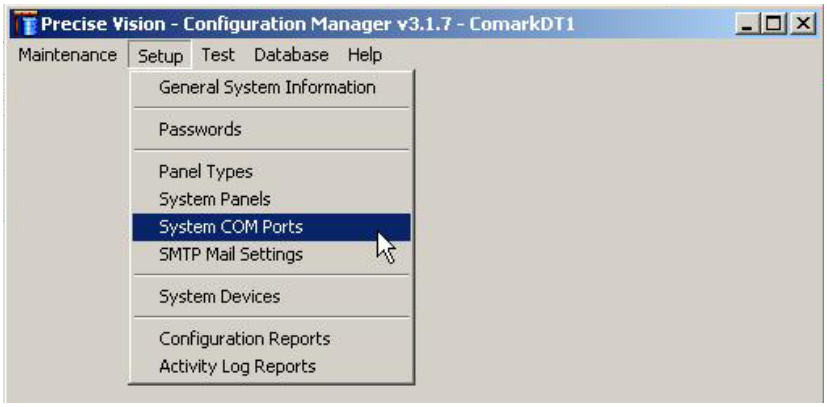
You can modify, add, or remove panels at any time. You don't need to set up your entire system all at once.

When you are finished setting up the panels on your site, click Done

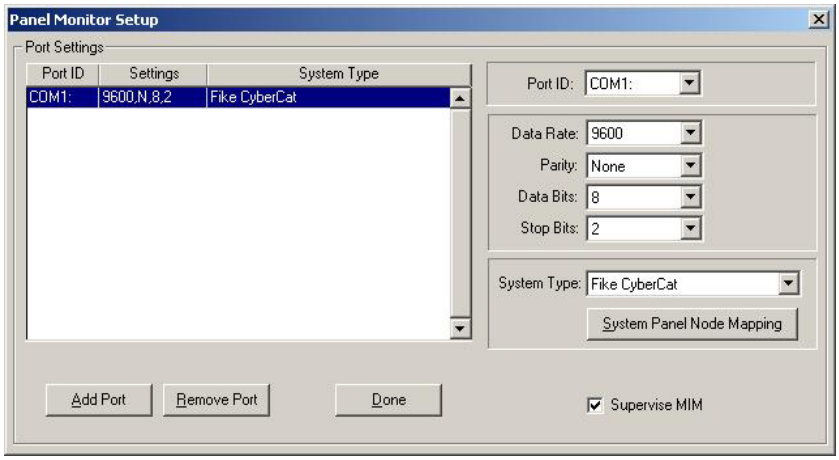


System COM Ports

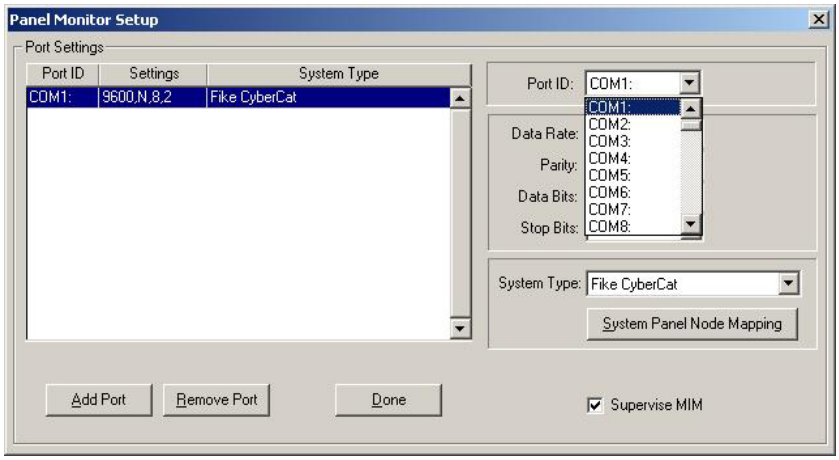
A system COM port is the physical connection, or plug, at the back of your computer that will receive alarm data from your control panels. System COM ports communicate via RS485 or RS232 protocol. You will need to tell Precise Vision which COM port you are using, and how to interpret messages that come in from the panel. Start by opening Configuration Manager. Go to the "**Setup**" drop-down menu and click on "**System COM Ports**."



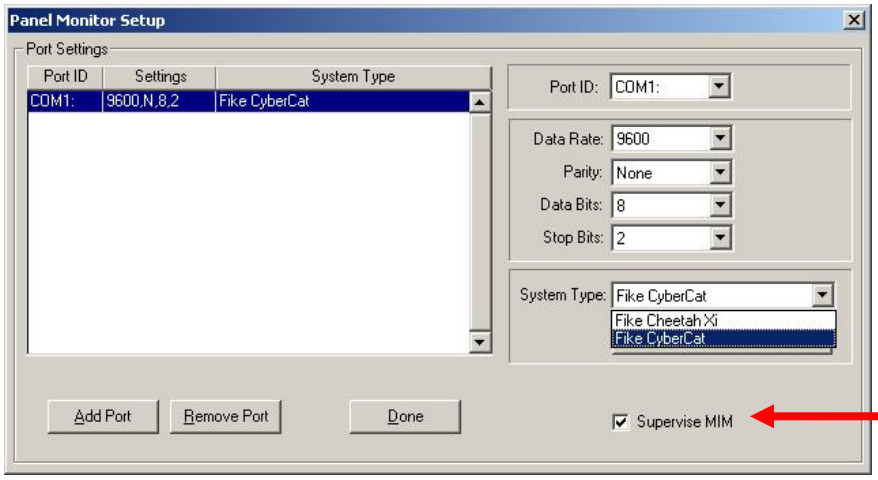
The Panel Monitor Setup screen will open. You can add, edit or delete COM ports here. The fields at right will display the port's parameters: data rate, data bits, parity, and stop bits. You can edit them to match the COM ports you will use. For connection to Cheetah Xi or CyberCat, those settings should be Data Rate = **9600,** Parity = **None,** Data Bits = **8** and Stop Bits = **2.**



You can use the drop-down Port ID list to select any COM port in your system, from 1 to 99.



Use the drop-down "System Type" list to select the system type you will connect to your COM port.



IMPORTANT NOTE: If using the UL Command and Control Version of Precise, it must be connected to a Multi-Interface Module (MIM) to communicate with the panel. If using this option, you MUST check the Supervise MIM Box.

If the Precise Vision station is connected to the Fire Alarm control panel via a Multi-Interface Module (MIM), the 'Supervise MIM' must be checked to enable MIM supervision.

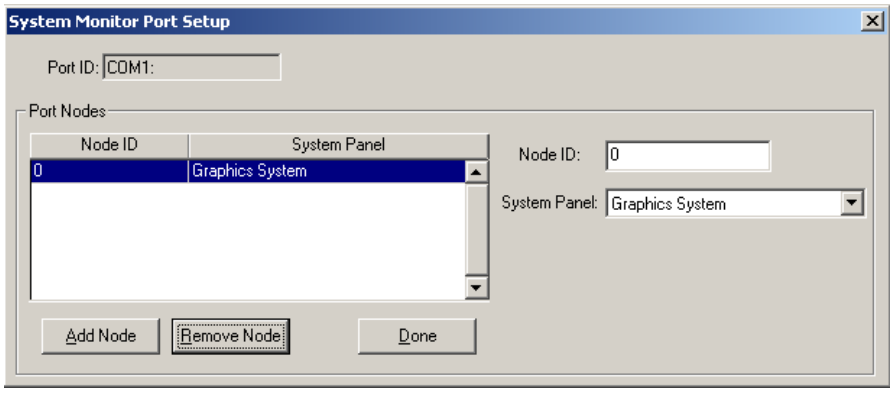
If using UL Command and Control functions only **one COM port** is allowed with UL864 controls. If you try to add a second COM port the following message will appear.

Once you have selected your system type, click 

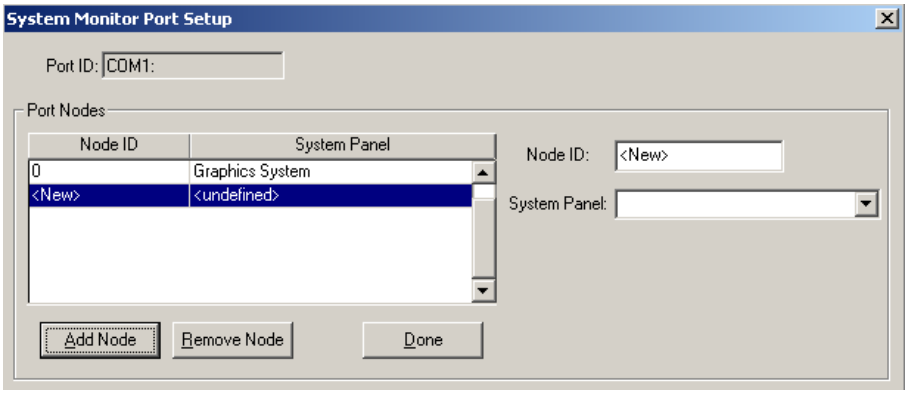
Helpful Hint: Firmware 5.0 and newer CyberCat and Cheetah Xi systems allow the peripheral circuit Data Rate to be increased from 9,600 bps to 38,400 bps.

If using a Multi-Interface Module with Firmware version 4.1 or newer, the data rate on the Precise Computer MUST be set to 38,400 bps. 9,600 bps is no longer an option with 4.1 firmware in the MIM.

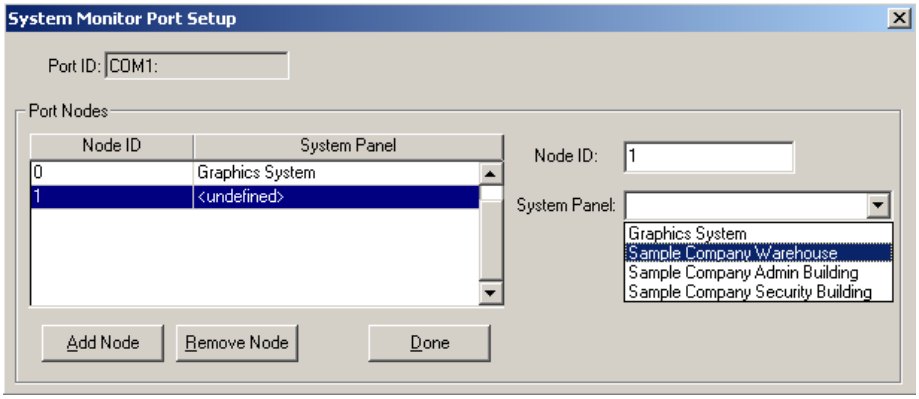
A new setup screen will open, so you can list the panels that will send information to the COM port. The default "Graphics System" will show up as Node ID 0. **LEAVE that panel. It is needed to operate correctly**.



Since none of the Fire Control Panels which will be connected here are showing up, click on Add Node to add a panel.

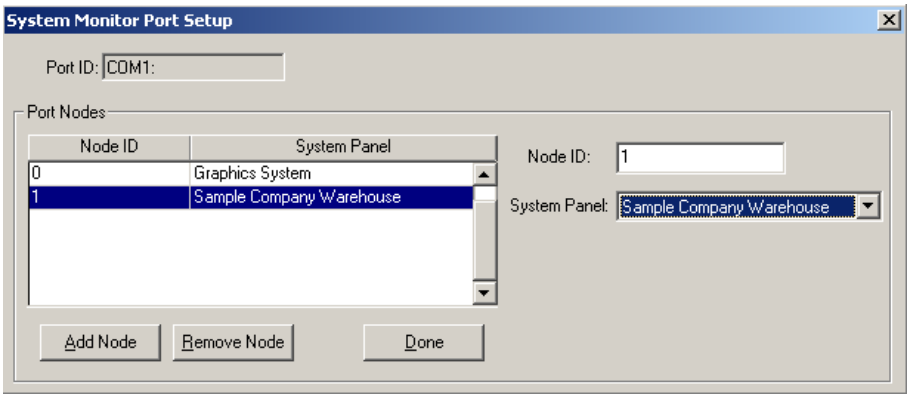


Then we begin by entering the new panel Node ID, which should be 1. It is best to have the network ID number without any leading Zeros. So in this case, our Panel ID of 001 will become Node ID 1. We will then choose the System Panel from our dropdown list of all panels we had previously added to the system.

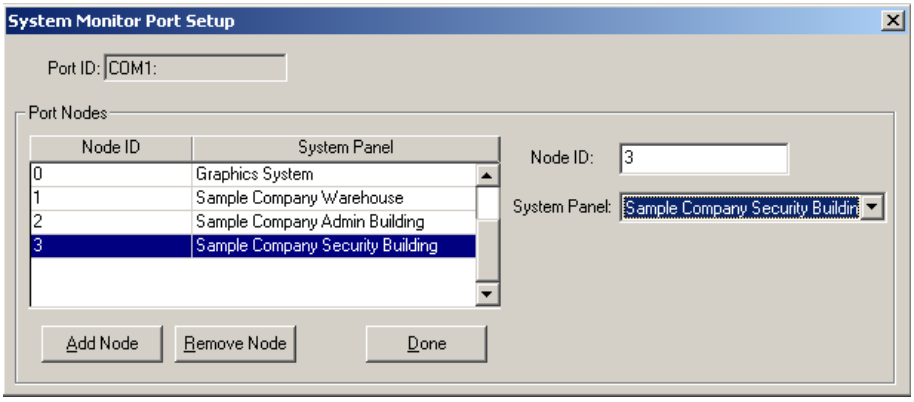


Helpful Hint: Node ID is NOT the same as panel ID. These should be kept as single digits and Node 0 should NOT be removed. For example….Panel 001 could be Node ID 1, not 001. Panels added can be any Node to any panel address, but they should be numbered in order by Node IDs….that means if you have 4 panels to add, you end up with 5 since Node 0 for the graphics system must stay, then you will end up with Node IDs of 1, 2, 3 and 4…..in order.

With the panel selection made, we will have this COM port setup so Precise Vision knows the information for this panel will be coming in through COM 1 of our computer, and the screen will look like this below.



If this is a networked system and there are more than just panel ID 001 reporting in through this COM Port, click on Add Node and repeat the steps for adding additional panels connected to COM 1.



When all nodes (panels) that connect to this COM port have been added, click on Done

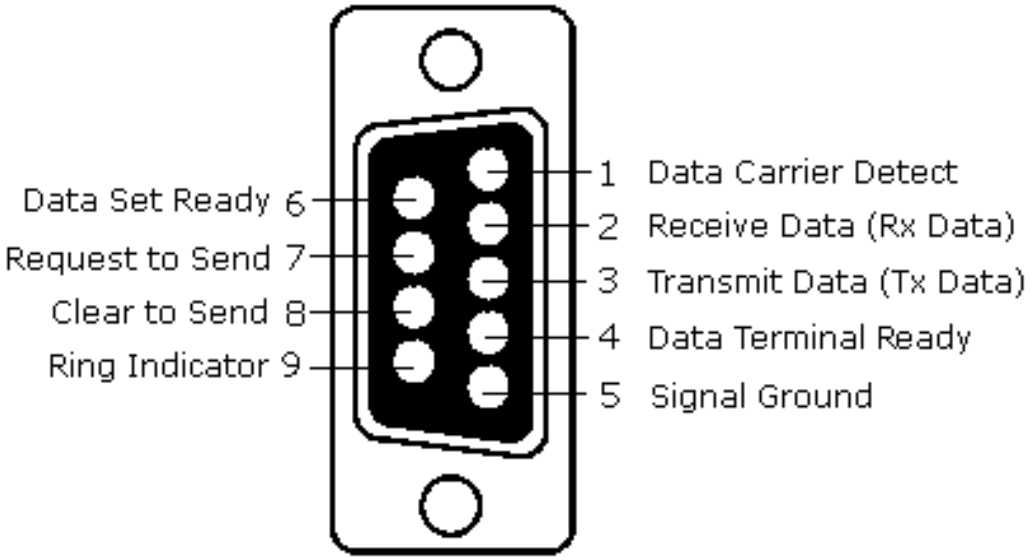
This page intentionally left blank

Chapter 12: Connecting Ports and Panels

Up until this point, you have been configuring Precise Vision software for the big moment when you actually connect your alarm panels to the COM ports on your Precise Vision computer. We have worked with hundreds of Precise Vision installations, and we are happy to give you our advice about the hardware and peripherals you will use to link ports and panels. This chapter will show you how to get connected.

RS232 COM Port Connections

COM ports, also known as serial ports, are one of the most basic ways to get data into and out of a computer. COM ports are the “plug ins” that let you attach devices, like modems and printers, to your computer. COM ports are usually nine-pin ports that look like this:



Typical for COM1, COM2, and COM3 RS232 ports on wall-mounted touch screen computer

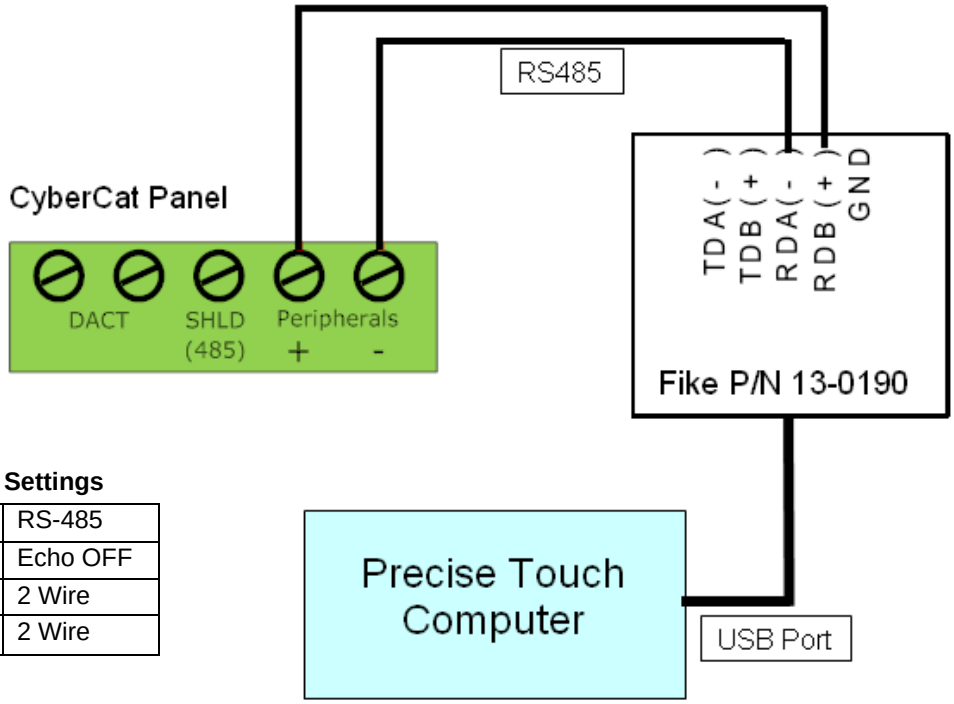
Note: If Cheetah Xi or CyberCat control panels are networked together, the events from the panel are transmitted across the network so one connection to any panel on the network will transmit all events to Precise.

If connecting to Cheetah Classic panels networked together, in order to get the panel events (such as battery troubles, ground fault, loop shorts, etc) to Precise, each panel will require a separate connection from the panel to the Precise computer.

RS232 COM Port Connections to CyberCat / Cheetah Xi

For RS232 applications that DO NOT use command and control functions, you will pick up the panel information being transmitted off of P6 (Peripheral Bus) and tie into a RS232 Com Port on your computer. If wiring from panel to the computer COM Port. To do this, obviously the protocol must be converted from RS485 on the control panel to RS232 to a normal computer COM port. Many RS485 to RS232 converters can ultimately cause ground faults on the panel. Also, many computers may not have enough COM ports, or in some cases, NO COM ports at all. In either case, the best adapter we have found is Fike P/N 13-0190 which convert the RS485 from the panel directly to USB to plug into the computer running Precise.

The diagram below illustrates how to connect the CyberCat / Cheetah Xi panel to the Precise Computer.



13-0190 Switch Settings

RS-422		X	RS-485
Echo ON		X	Echo OFF
4 Wire	X		2 Wire
4 Wire	X		2 Wire

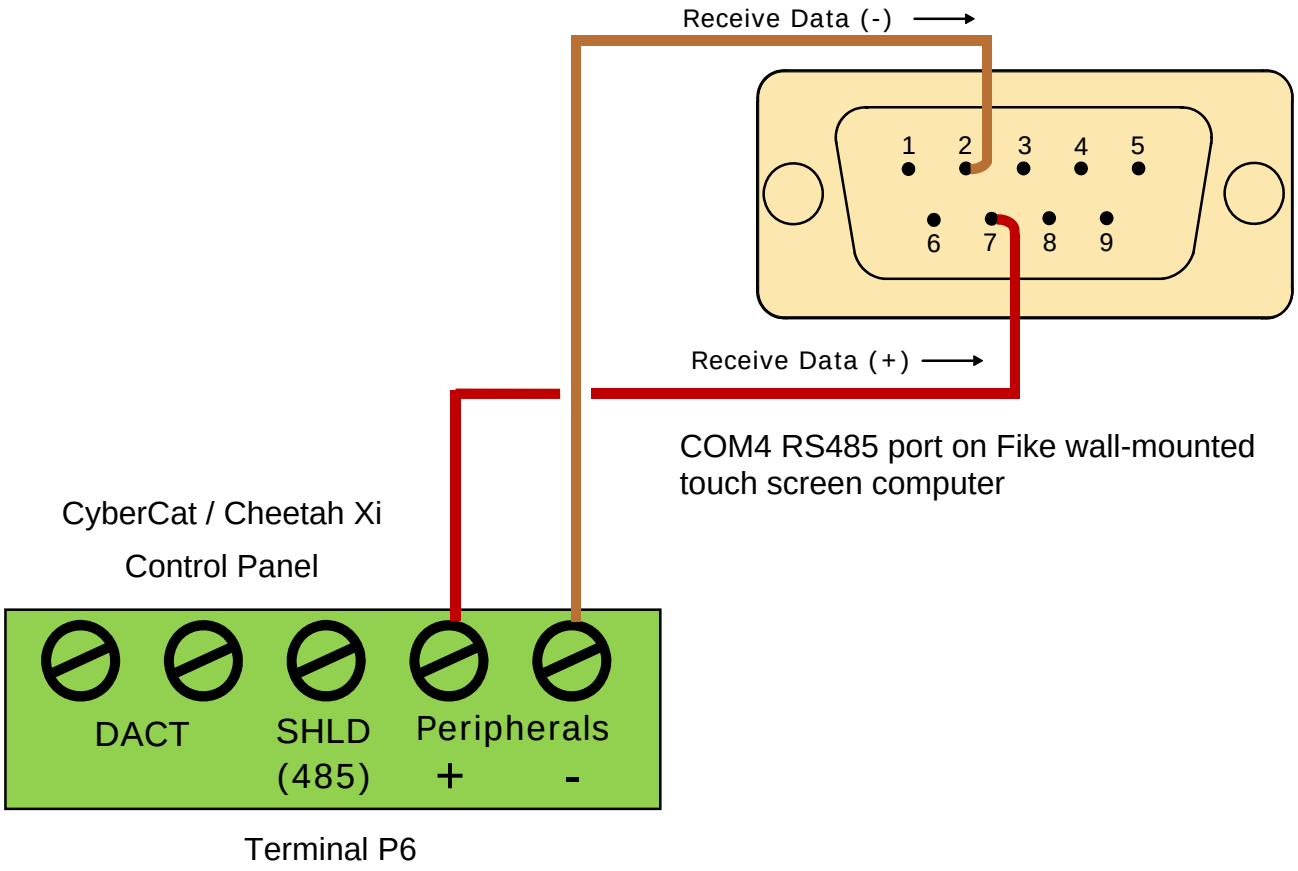
Note: When setting up the 13-0190 converter, you will use Lantronix Device Installer software to set up the parameters. During this configuration, the device MUST be set up as a 4-Wire device, even though you are only using the two Receive wires, and not the Transmit wires.. If set up as 2-wire, it will not work as those two wires are set up as Full Duplex and there is not communication back to the panel. **THIS CONNECTION IS FOR MONITORING ONLY. IT WILL NOT ALLOW ANY COMMAND AND CONTROL FUNCTIONS FROM COMPUTER TO CONTROL PANEL.**

Helpful Hint: When testing for communication, the LEDs will not flash until communication is actually connected. This means it has to be connected to the computer first, and System Monitor must be running. Otherwise, the panel has nothing to communicate with, and no data transfer will happen to cause LEDs to flash.

RS485 COM Port Connections to CyberCat / Cheetah Xi

Fike's Touch Screen computer is equipped with an RS485 (COM4) port that allows the computer to be connected directly to the CyberCat / Cheetah Xi panel's RS485 peripheral bus. You only need two wires: a transmit (+) and a transmit (-) wire running from the CyberCat / Cheetah Xi panel's RS485 connections to the Precise Vision computer's receive (+) and (-) pins. RS485 is polarity sensitive, do not connect (+) to (-). The diagram below illustrates connecting the RS485 (COM4) port on the Fike Alarm Systems Touch Screen computer to the host control panel. **This method of connecting the Precise Vision computer to the host control panel is UL listed for annunciation purposes only and can NOT be used if command and control functions are required.**

Installation Note: Your Precise Vision computer may be located up to 4,000 feet (1,219 m) away from the host control panel using 24 AWG twisted copper wire for RS485 communication.

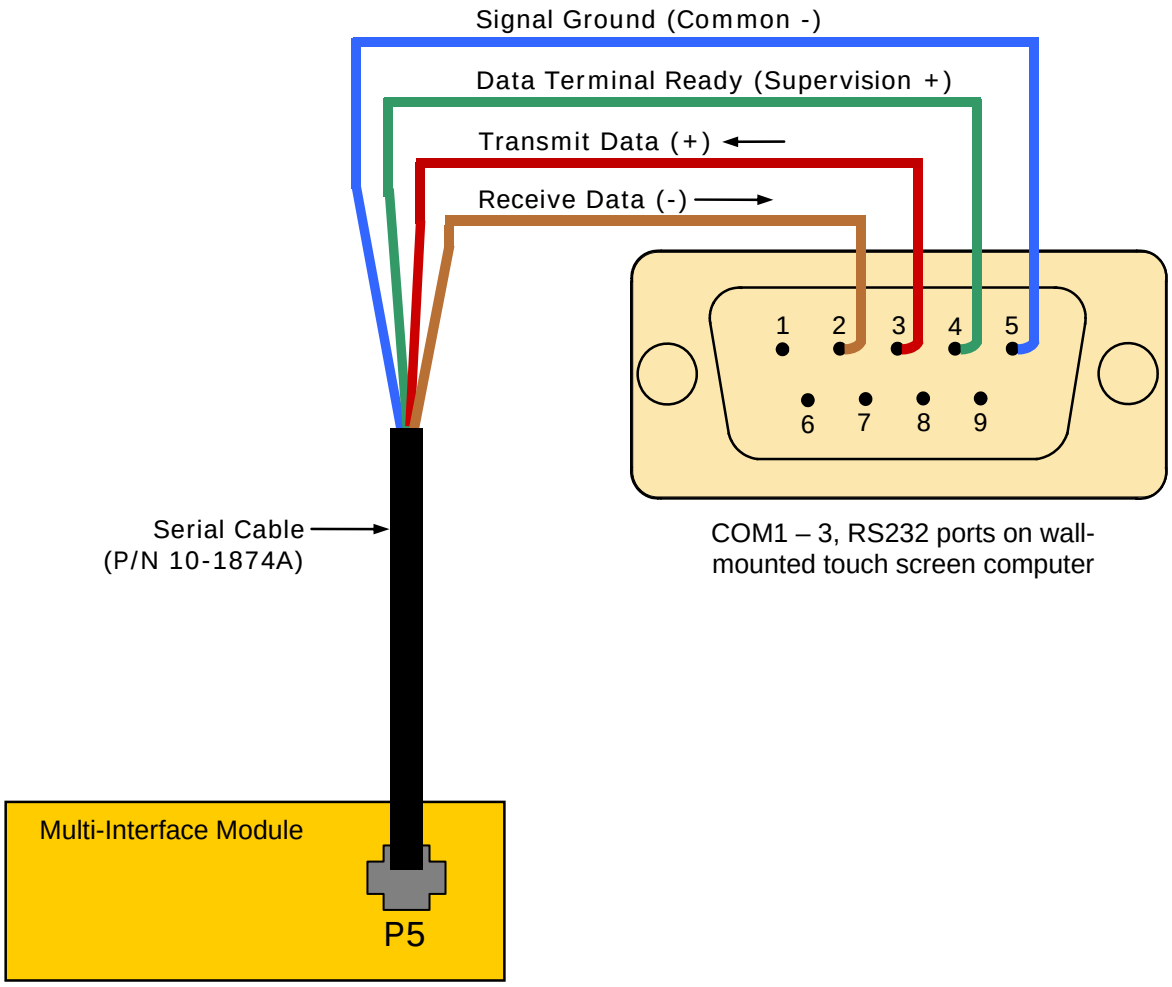


Touch-Screen Computer Power Supply Connections

Fike's touch screen and desktop PCs must receive their operating power from a 24 Volt regulated, battery backed, power-limited power supply listed for Fire Protective Signaling Use. The power supply must be capable of supplying 3 amps if connected to the Fike touchscreen PC or 5 amps if connected to the Fike desktop PC.

RS232 Port Connections to Multi-Interface Module

For RS232 applications that require command and control functions, you must install Fike's Multi-Interface Module (MIM), P/N 10-2583 to provide the required communication and supervision between the host control panel and the Touch Screen computer. The diagram below illustrates how to connect the RS232 COM ports on the Fike Alarm Systems Touch Screen computer to the MIM. **This method of connecting the Precise Vision computer to the host control panel is UL listed for annunciation, as well as command and control purposes.**



The RS232 serial cable (P/N 10-1874A) provides the required DB9 to RJ11 connectors for interfacing the computer to the MIM. The serial cable is purchased separately from the MIM.

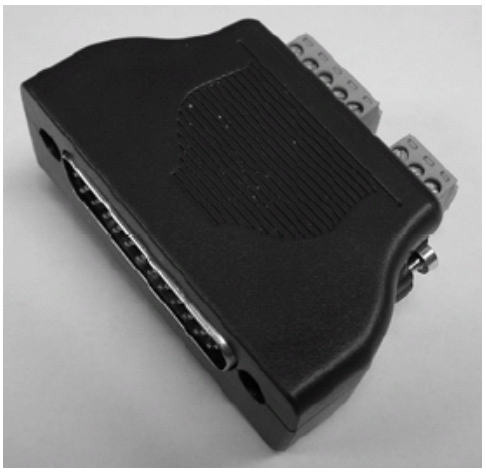
Critical Installation Note: When using the RS232 connection, the Precise Vision computer must be installed in the same room as the MIM and within 20 ft. (6.1 m) of the MIM. The RS232 interface cable (P/N 10-1874A) must be installed in conduit. Refer to Fike document 06-367 "Multi-Interface Module Installation and Operating Instructions" for further details about interfacing the Precise Vision computer with the MIM.

Ethernet Connections from CyberCat / Cheetah Xi to Precise

The other option for monitoring CyberCat / Cheetah Xi panels by Precise involves transmitting the control panel data to the company Ethernet system. If the control panel data were transmitted onto that company Ethernet, then any computer that connects to that Ethernet could be set up to access that data and Precise could be loaded onto that computer.

The first part involves taking the RS485 data and making it available on the Ethernet. This is done by attaching a Device Server onto the control panel Rs485. The device we use is the Fike P/N 02-12206 Device Server along with Fike P/N 02-12214 Terminal Adapter. (Adapter not required if you want to build your own DB25 to RS485 converter cable)

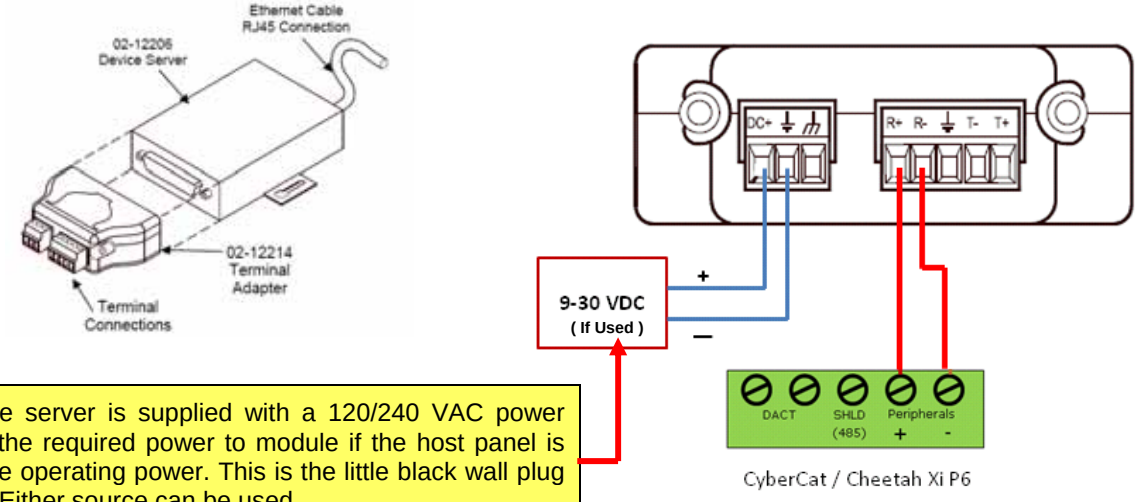
02-12206 Device Server



02-12214 Terminal Adapter

When setting up the Device server, you will use Lantronix Device Installer software, as it needs some setup and an assigned IP address. The RS485 from the control panel will then land directly onto the terminals provided on the Terminal Adapter and make the control panel information available on the company Ethernet. You will then have to install Lantronix "**ComPort Redirector**" software on the Precise computer since Precise is expecting to see data coming in on a valid COM Port. This software "tricks" the computer to recognize the Ethernet connection as a COM Port for use with Precise.

The diagram below illustrates how to connect the CyberCat / Cheetah Xi panel to the Precise Computer



Note: The device server is supplied with a 120/240 VAC power supply to supply the required power to module if the host panel is NOT supplying the operating power. This is the little black wall plug transformer type. Either source can be used.

Connect Ports and Panels

You can use practically any combination of cabling, network switches, and wireless networking devices to connect all of the devices and panels on your site to your Precise Vision monitoring station.

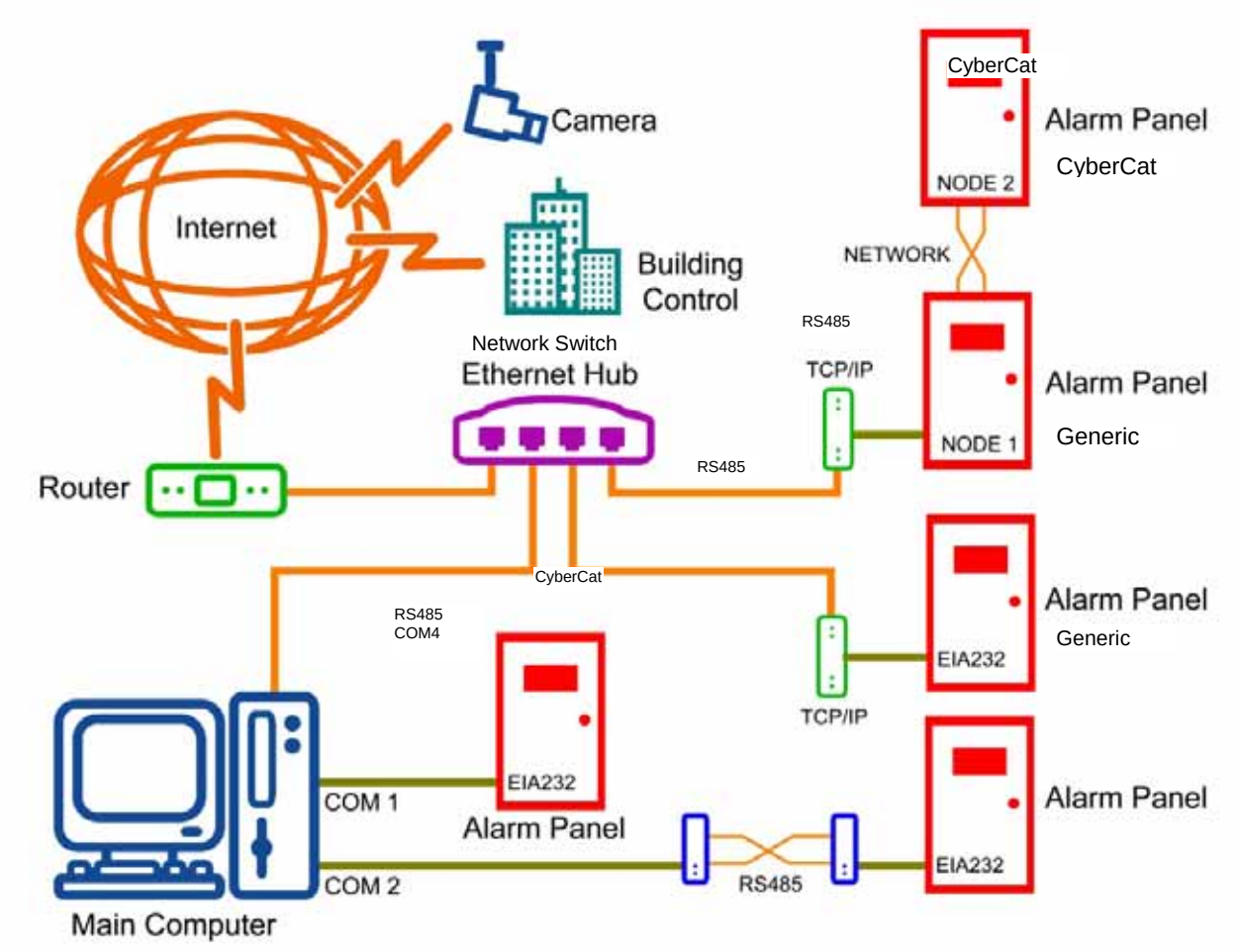
For alarm systems other than Fike CyberCat, you might use commonly available RS232 cable to connect the COM ports on your computer to the COM ports on your alarm panel. (The RS232 standard is one of the oldest data transfer standards still applicable to computers today. It was renamed the "EIA232 Standard" in the early 1990's.)

RS232 cable is designed to run a maximum of 50 feet. In its most basic form, this is a twisted pair copper wire, consisting of a common wire, a transmit wire, and a receive wire. The three wires work together to complete an electrical circuit. The common wire is continuously connected. The transmit wire pulses to transmit a code. And the receive wire receives any information that comes in from the transmit wire of another device.

A Typical Installation

Here is a prototypical installation that includes five alarm panels. One alarm panel is directly connected to a RS485 COM port. A second alarm panel is connected to the main computer with RS485 converters, to extend the connection range. A third alarm panel uses a TCP/IP converter to exchange data over the building's local area network. A two-node network of alarm panels also connects to the LAN via TCP/IP protocol.

The system also employs Precise Vision hyperlinks to connect a closed-circuit video camera and HVAC building controls.



This page intentionally left blank

Chapter 13: Networking Precise Vision

Precise Vision users commonly install several Precise Vision stations throughout a facility. When you set up a remote Precise Vision station, other users will be able monitor your alarm system. They will see what you see — alarms, troubles, maps, and floor plans — and have access to your sound files and closed-circuit video, too. They can even zoom in and out of trouble spots, make notes for other operators, and set System Watch preferences to suit their needs. This chapter will show you how to network your Precise Vision system, quickly and easily, with readily available networking components.

License Your Software

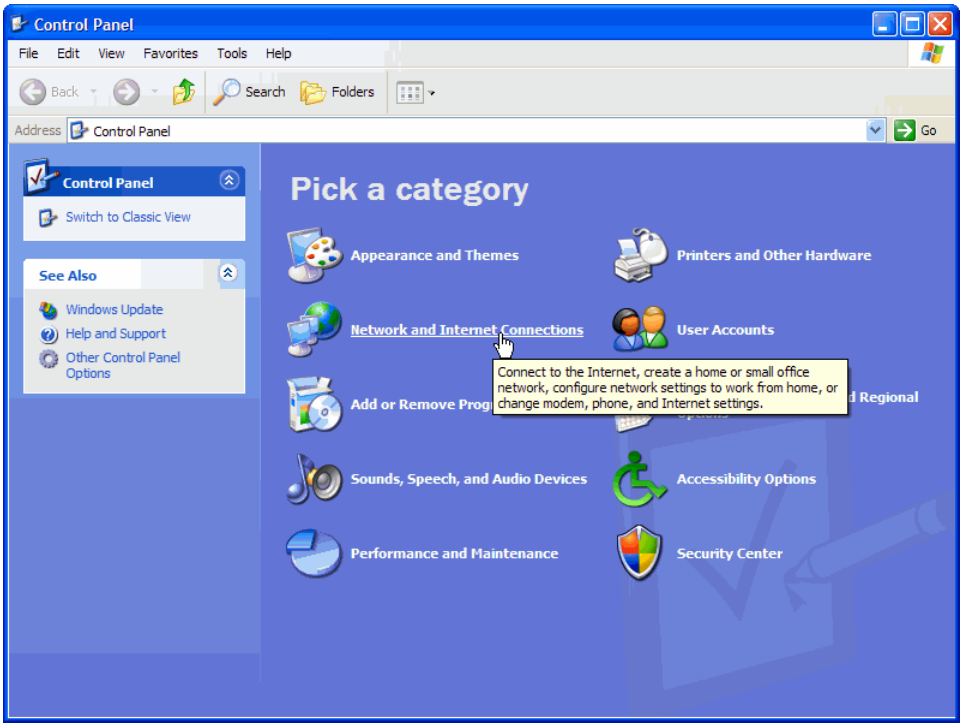
To install a remote copy of Precise Vision, you must have a multi-user license for the software. A single Precise Vision license will work with one computer. A multiple license lets additional computers gain access to that main computer. You can install Precise Vision on several machines, but it will only run simultaneously on the number of computers for which you have a license. For network license information, call Precise Vision toll-free at (888) 628-FIKE (3453), or e-mail *Fike.firealarm@fike.com*.

Helpful Hint: For more details on exact steps to license your software, refer to Appendix A in this manual.

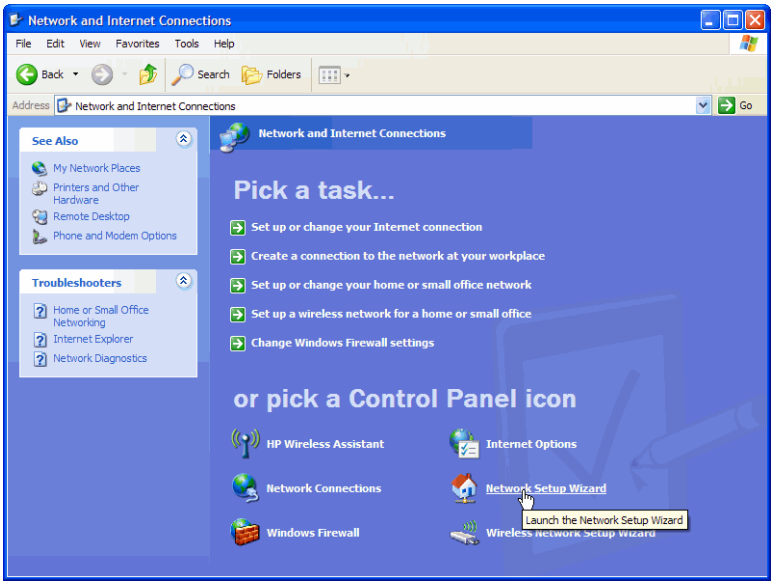
Configure Your Main Computer for File Sharing

If you would like remote computers to access your Precise Vision system, you should configure your main Precise Vision computer to allow file sharing.

To begin, go to the "**Start**" menu on your main Precise Vision computer and open the "**Control Panel**." You'll see a pop-up box that asks you to "Pick a category." Choose "**Network and Internet Connections**."



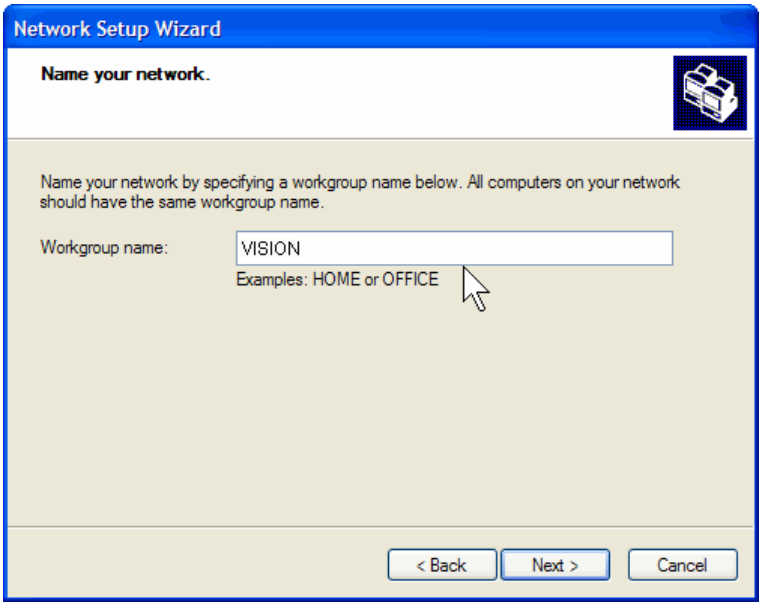
On the next screen, click the "**Network Setup Wizard**" icon.



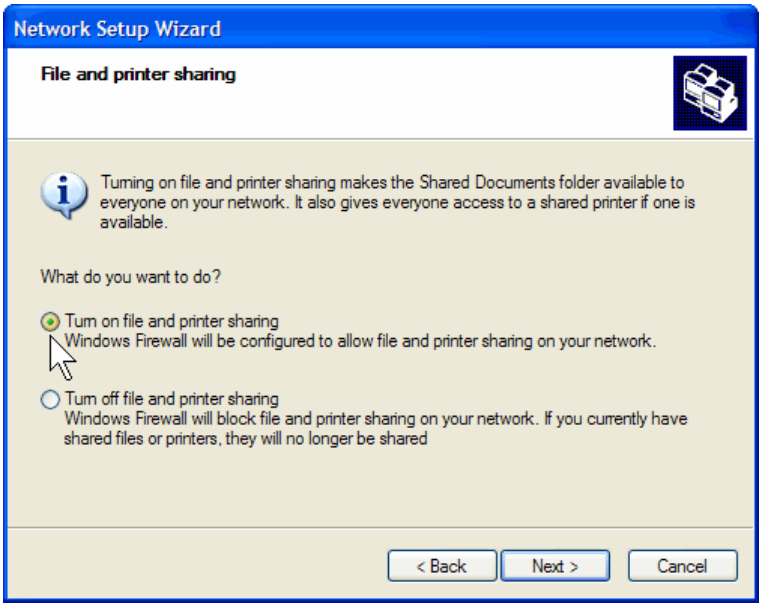
The "Network Setup Wizard" will appear.

Click **"Next"** on the series of screens that appear.

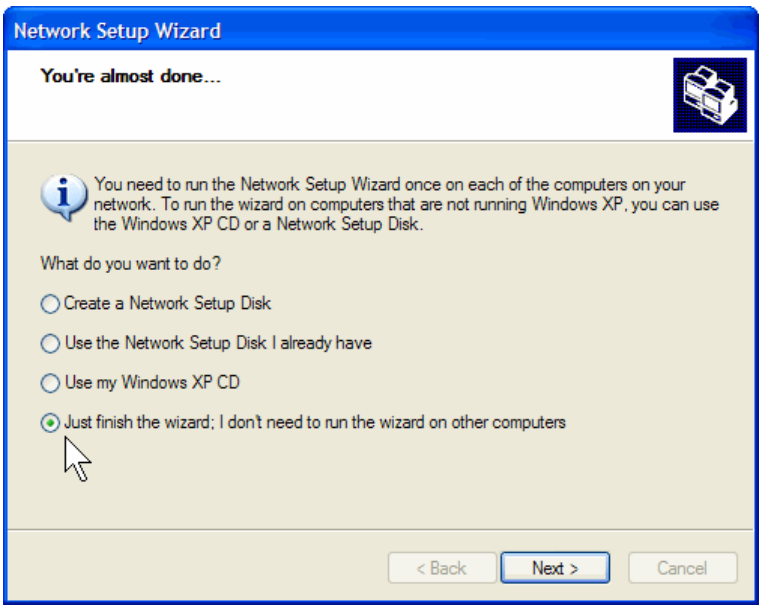
When you come to the "Name your network" screen, you'll probably see that the default name is MSHOME. You'll need to change it to the name that matches your Precise Vision network.



When you see a screen titled "File and Print Sharing," choose "**Turn on file and printer sharing**" and click "**Next**."



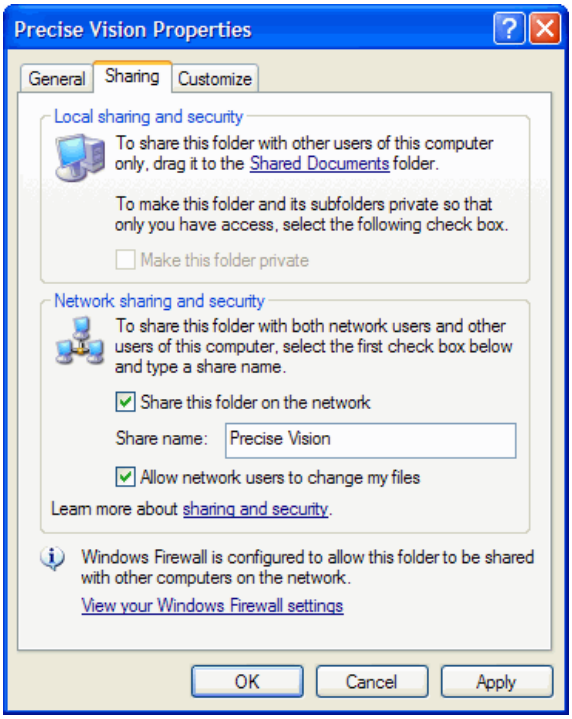
Exit the Network Setup Wizard.



Right-click on the **C:\Program Files\Fike Corporation\Precise Vision** folder.

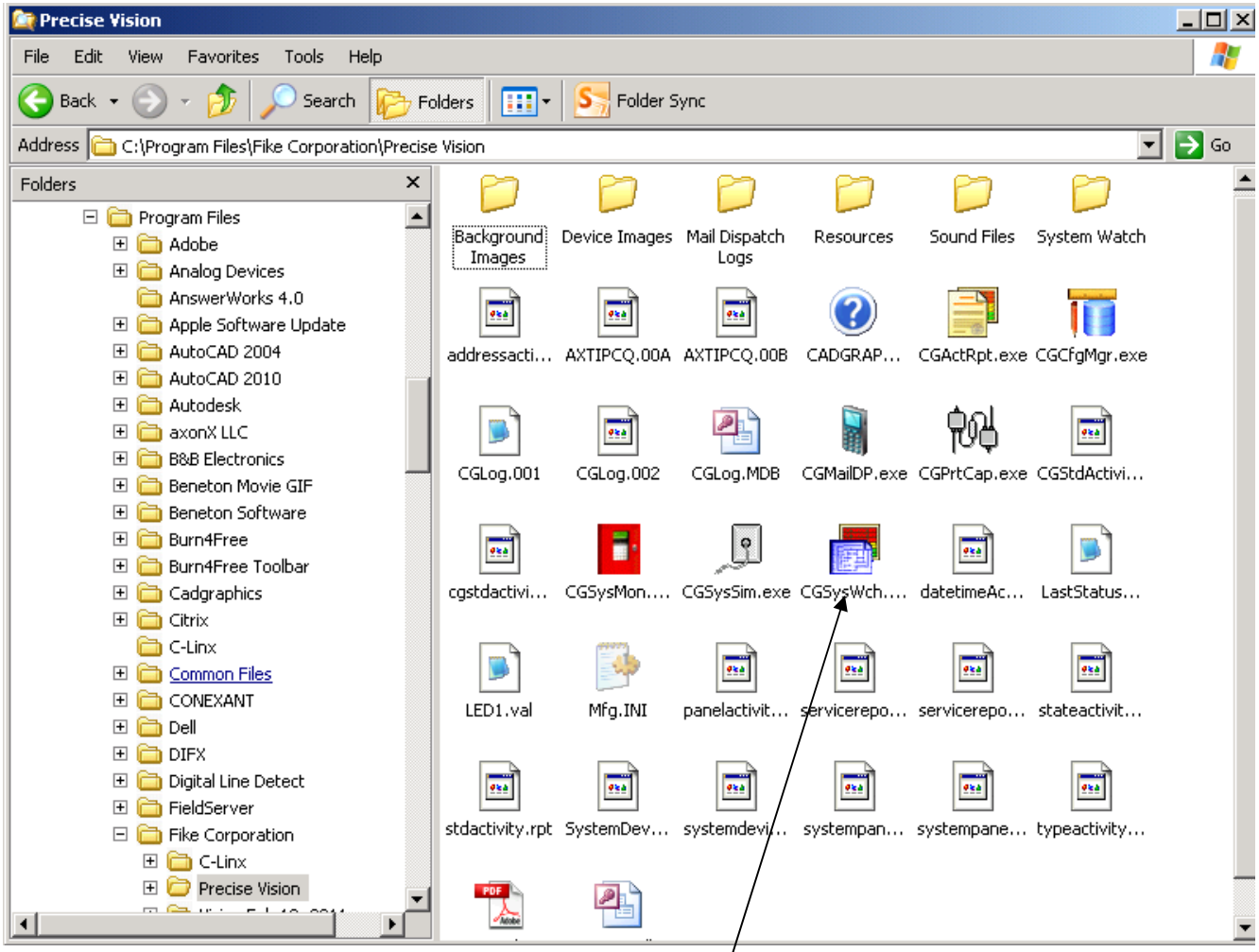
On the menu that pops up, click "**Sharing**."

The "Share Name" will be filled in automatically as "PRECISE VISION," just like the Precise Vision folder on your hard drive. Make sure to click "**Full**" in the "Access Type" section, or network users will not be able to get database information, and the remote Precise Vision system will not be fully operational.



Install Precise Vision on the Remote Computer

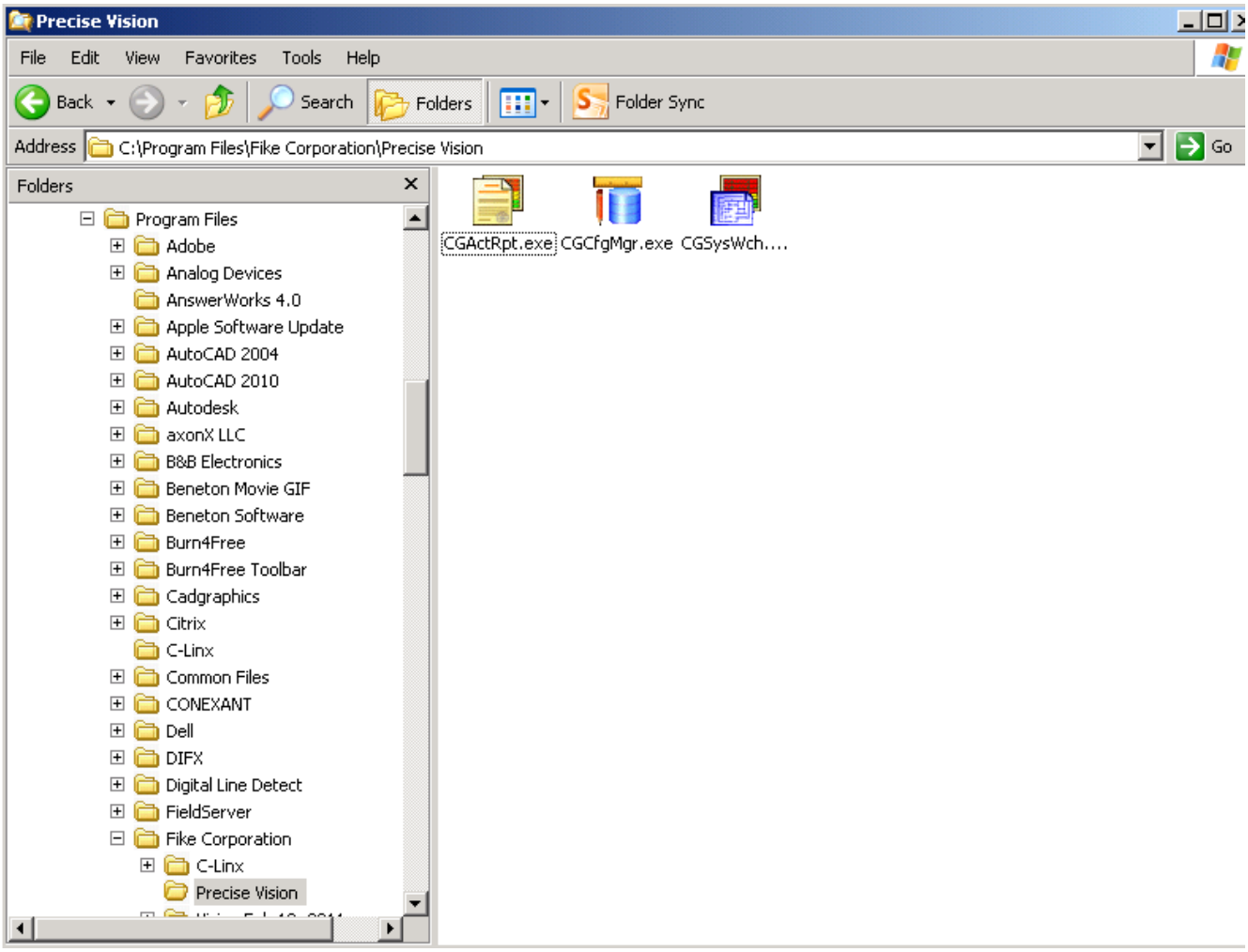
Now go to the remote Precise Vision computer and install Precise Vision software there. For specific details on installing the software, see Chapter 1. Once Precise Vision is installed on the remote computer, you will see files like this in the **C:\ProgramFiles\Fike Corporation\Precise Vision** folder:



Since this remote computer will be sharing the information collected in the main host computer, most of these files are not needed. In fact on MOST remote computers, only the file **CGSysWch.exe** is required.

Helpful Hint: Generally speaking, remote users only need to access the System Watch program. However, remote users can access Activity Reports and Configuration Manager, too. Simply point a shortcut on the remote to the corresponding program on the main Precise Vision computer. Configuration Manager will allow one user at a time to change the system.

Depending on what you have will be accessing on your system from the remote computer, it is recommended to delete all files EXCEPT those shown below. **Under no circumstances should you delete CGSysWch.exe or else you will not be able to access the system you have this remote monitor installed to watch.** If you want to be able to run reports from the remote computer, leave the CGActRpt.exe file.

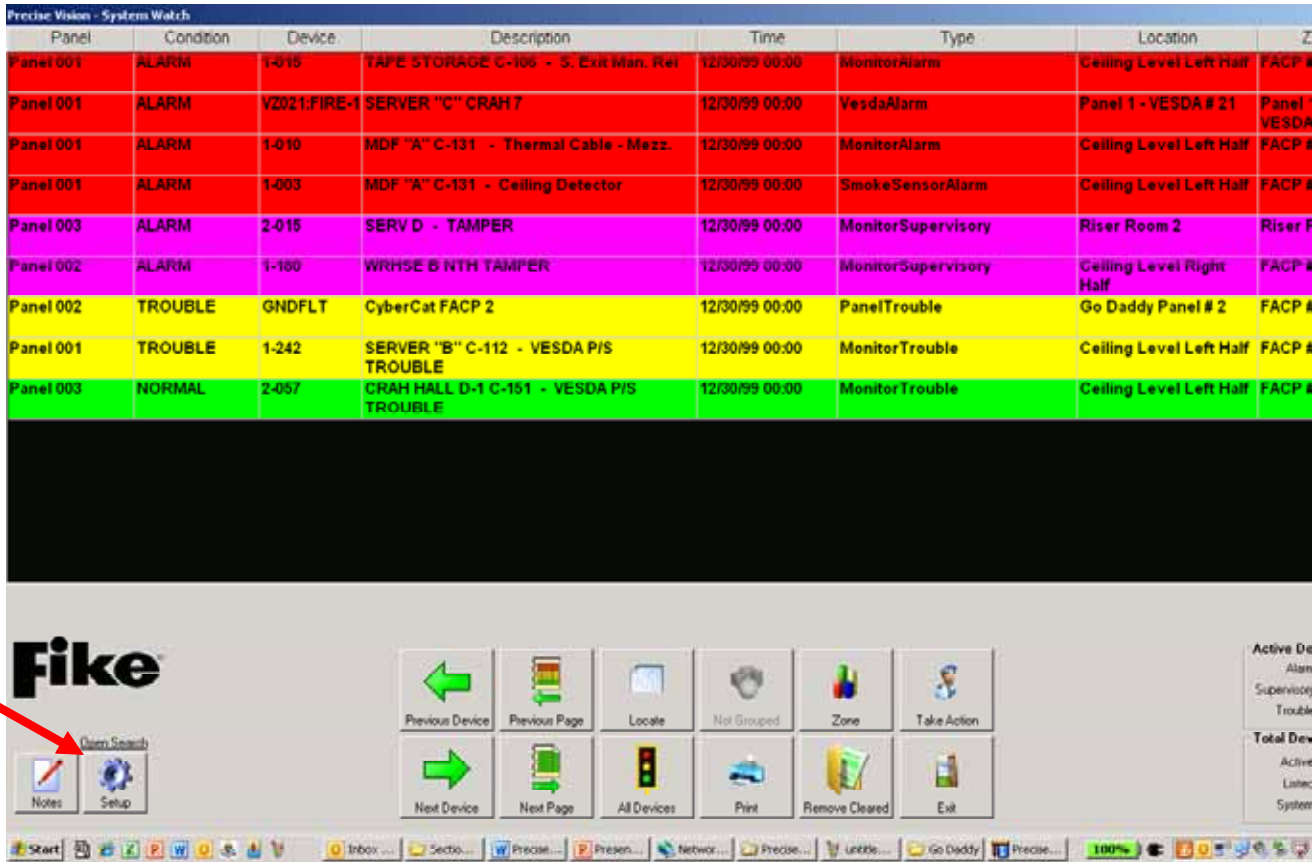


We deleted the other files because the fire control panel is physically connected to the host computer, and the remote computer will SHARE that information and display on graphics here. The main database with all the floor plans, devices, groups, zones, etc. is in the main host computer. The program called System Monitor is one we eliminated here, that is the program that runs in the background on the host computer and collects the events that come from the control panel. It is not needed here since this remote computer is not physically connected to a control panel. Therefore, since the information is being gathered at the host computer, we need to tell this computer where to look to actually have those events displayed on this remote computer also.

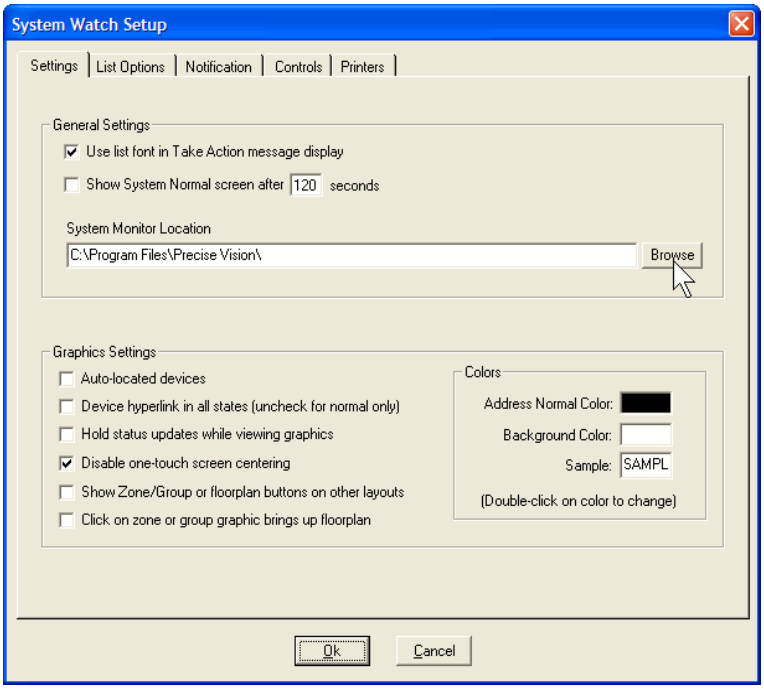
So to get this computer to look for, find and report those panel events, we have to tell it where that control panel data is being captured. That is the main host computer. To set that up, you will open the program we call System Watch. (You might want to make a shortcut to display this icon on your desktop for quicker access to start up.)

The icon looks like this in the Precise Vision Folder.

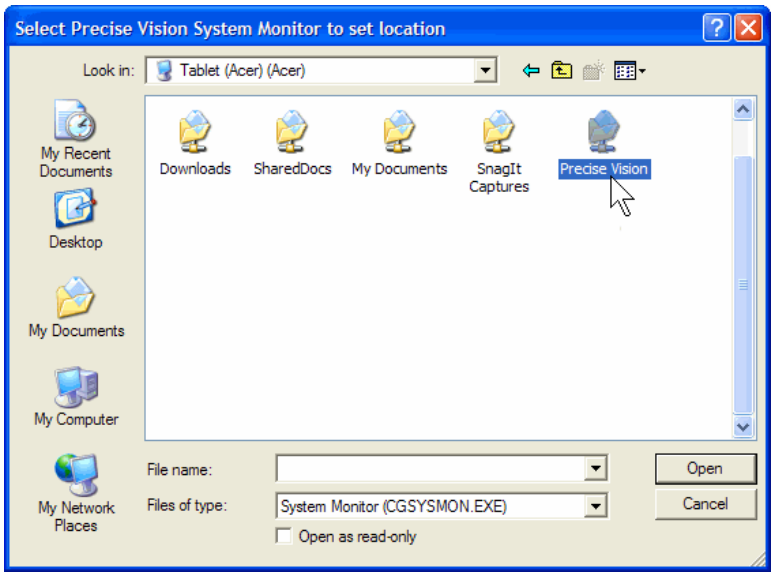
With System Watch open, click the "**Setup"** button on the lower left of the System Watch screen.



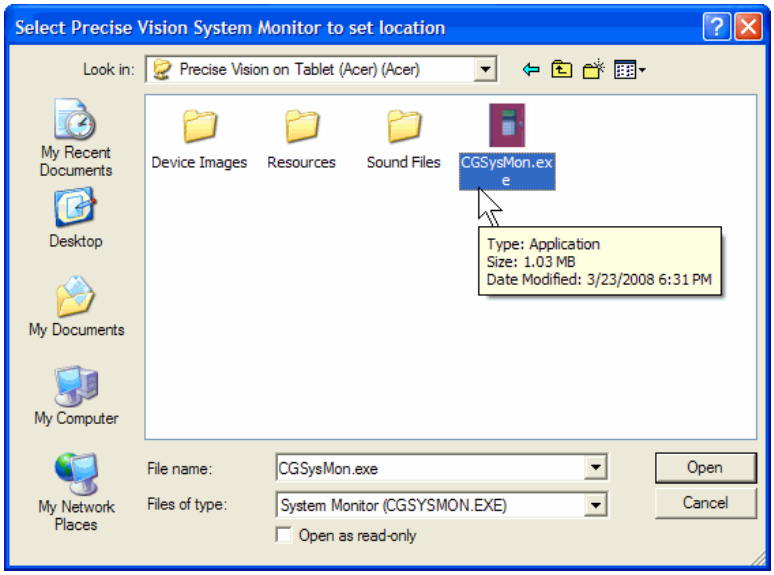
The System Watch Setup screen will appear. Click the "**Settings**" tab, and then click the "**Browse**" button.



The hard drive browsing dialog box will open. Click on "My Network Places" and find the links to the computers in your workgroup on the network. You will need to find the Precise Vision folder on the main computer. In this example, we know that the original Precise Vision program is housed on the Acer computer. Among the shared resources on the main Precise Vision computer, you will see the Precise Vision program folder. *Double-click* on it.



Find "**CGSysMon.exe**" in the shared Precise Vision folder. Highlight the program and click "**Open**."



Remember, it's System Monitor on the host computer you are pointing to. System Watch on this remote computer is merely a user interface. It displays the information collected in System Monitor on the host computer on the backgrounds and floor plans here that you have configured to see. Without the data coming from System Monitor in the host computer, no events will be displayed on the remote computer.

Network Your Precise Vision Computers

You can network your Precise Vision system using an existing network, like the network you might already have in place for general office use to share printers or to share files and programs with co-workers. However, if the existing network has extremely heavy traffic or is otherwise unsuitable, you can also set up a dedicated Precise Vision network.

The networking components you will need are inexpensive and readily available. You will have several options:

- If your Precise Vision monitoring stations are close together, you might simply run a crossover cable between two computers. 10/100 Base-T CAT 5 cable can run as far as 300 feet between two computers. You can extend that reach by using network hubs at 300-foot intervals.

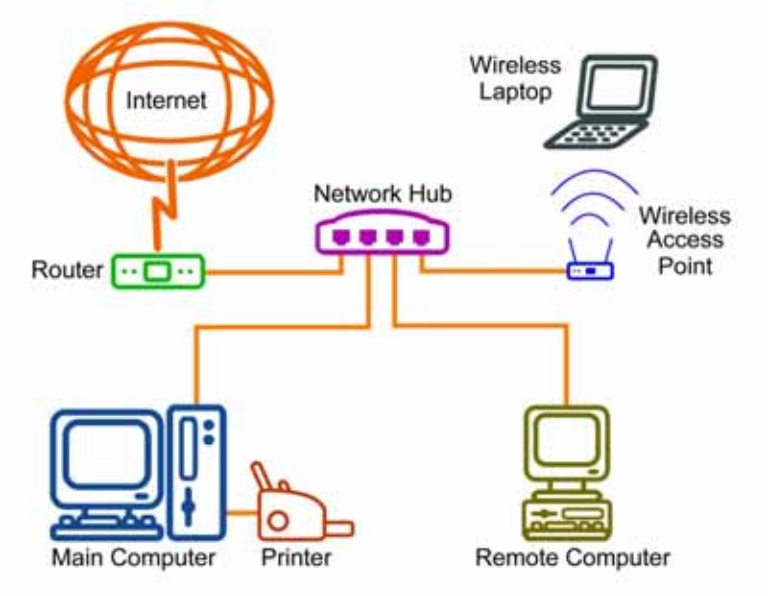
- If you need to go farther than 300 feet, you might want to install high-speed fiber optic cable. You can use media converters to convert CAT 5 cable to fiber optic, and then switch back to CAT 5 cable at the other end of your network. Fiber optic cables can extend your reach up to a mile.

- If you want to go even farther, talk to your network administrator, your telephone service provider, or your Internet service provider about setting up a virtual private network (VPN). Tell them you need to set up file sharing between the two locations. You will probably find yourself talking with them about Internet access, cable modems, routers, security firewalls, and network hubs at each location.

- You could even install a wireless network. You can find readily available, inexpensive components almost anywhere. You might, for example, plug a network adaptor card into a laptop computer, and add an access point to your existing network. You can even distribute several network access points throughout your facility, for building-wide coverage.

A Typical Precise Vision Network

Here is a sample diagram that shows a typical network setup: one main Precise Vision computer connected to an existing local area network, with a second computer that has a remote copy of Precise Vision software. Both computers share files across the local area network, and both share the same access to the Internet and a printer. This diagram also depicts a third Precise Vision monitoring station — a wireless laptop with a remote copy of Precise Vision and a wireless connection to the network, so it too can access Precise Vision files, the printer, and the Internet.



Helpful Hint: At Fike Alarm Systems, we are happy to share what we know about networking hardware and peripherals. It tends to be rather generalized, because Precise Vision software is our primary focus. Advanced networking assistance is not part of our standard technical support program. However, we can direct you to several good resources for networking information, as well as current networking products. Please email ***Fike.Firealarm@fike.com*** for details.

Recommended Hardware, Software, and Peripherals

Precise Vision was designed to work with your existing alarm system, and to be compatible with a wide range of related software and peripherals. You can integrate Precise Vision with practically any components you like.

For brand-name recommendations of currently available products and accessories, visit our website at www.fike.com. In the meantime, here are some ideas of the types of devices you might like to add to your Precise Vision system.

CAD software	If you do not have existing CAD maps and floor plans for your site, you can create them yourself.
Drawing or painting software	Standard drawing or painting software packages can convert digital photos and CAD files into Precise Vision images.
Crystal Reports	Seagate's Crystal Reports software will expand your Precise Vision reports and records capabilities.
Wireless network access point	With a wireless network access point, you can connect Precise Vision to your existing local area network.
Ethernet adaptor	Most computers come with a network adaptor. If your computer doesn't have one, you can get an inexpensive adaptor.
RS232 Adaptor cables	If you need to add one or two COM ports to your computer, you can plug an adaptor cable into any available USB port.
Device server	You can use your TCP/IP network to get information from alarm panels across your site by connecting a device server to your panels' RS232 port.
Serial port device	Not enough COM ports? No problem. A serial port device will add eight new COM ports to your system.
USB Serial hub appliance	You can add four new COM ports simply by plugging a serial hub appliance into any available USB port.
Fiber media converter	With a fiber media converter, you can switch to fiber optic communication and extend your network cable beyond 300 feet.
CAT5 cable	Connect two computers together and create a mini network.
Portable data storage	Technicians and installers who work with databases should have a portable data storage device. Look for one that will fit into your pocket, plug into a USB port, and retain data for years.

.

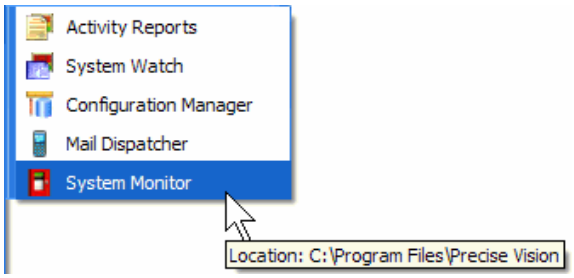
Chapter 14: System Monitor

The System Monitor program handles communication between your alarm panels and the Precise Vision database file. It functions as a pathway: when panels send data to the Precise Vision computer through COM ports, the System Monitor program sorts that information, updates the database, and translates it into usable information that the System Watch program can display in the form of color-coded lists, maps, floor plans, and action messages. This chapter will show you how to get your System Monitor program up and running smoothly.

Customize System Monitor

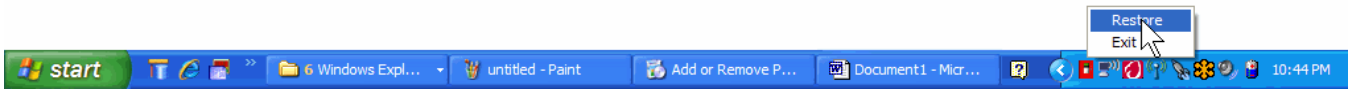
The Precise Vision System Monitor program connects your fire alarm panels to the Precise Vision database file, and a text window displays data as it comes in from a control panel. If you are using more than one port on your computer, each will have its own window in the System Monitor program.

To start customizing System Monitor, go to your "**Start**" menu, slide the "**Precise Vision**" program group open, and click on "**System Monitor**."



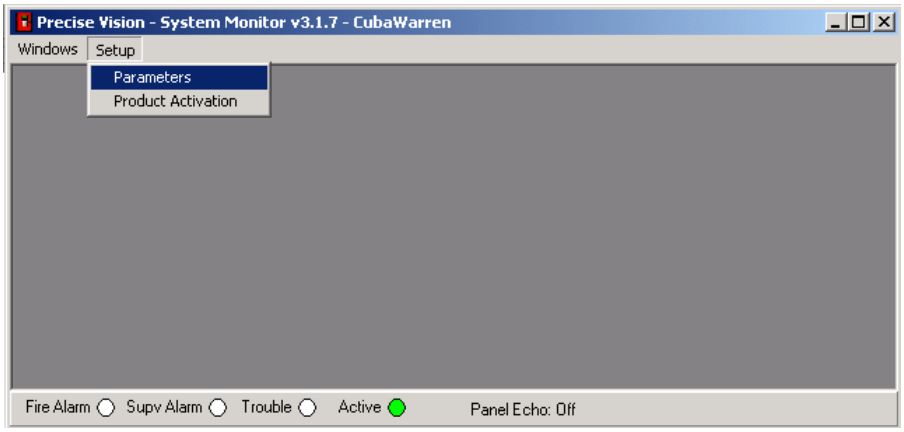
Invisible Operation

System Monitor is designed to run almost invisibly in the background, so you can concentrate on System Watch. Whenever System Monitor is running on your computer, you will see a red System Monitor icon in the bottom right-hand corner of the screen. You can *right-click* on the icon to open the System Monitor window or to exit the program.

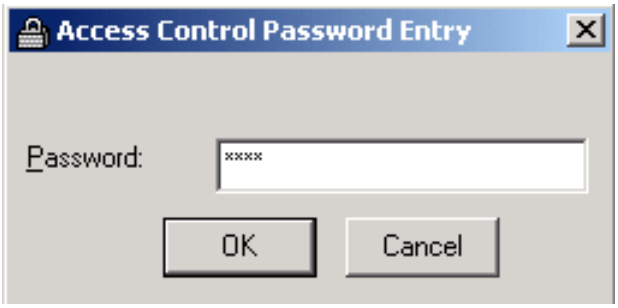


System Monitor Settings

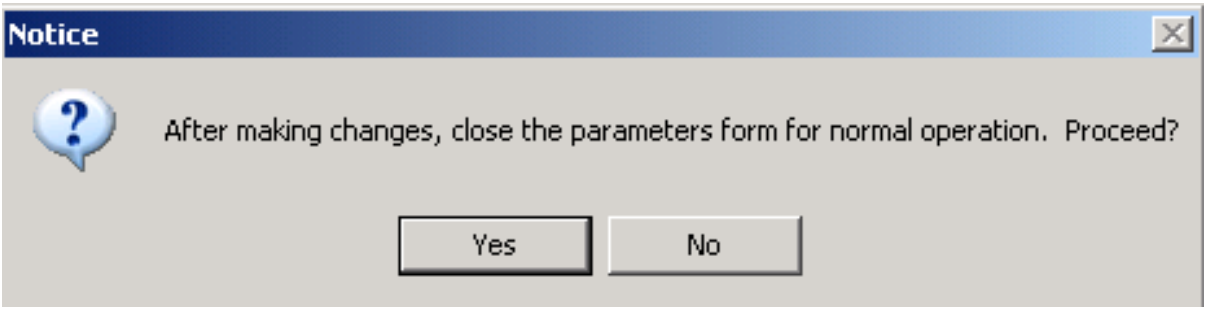
To change the settings of the System Monitor program, choose "**Setup**" and "**Parameters**."



Enter your level-three password. (The default password is the number **3333**.)

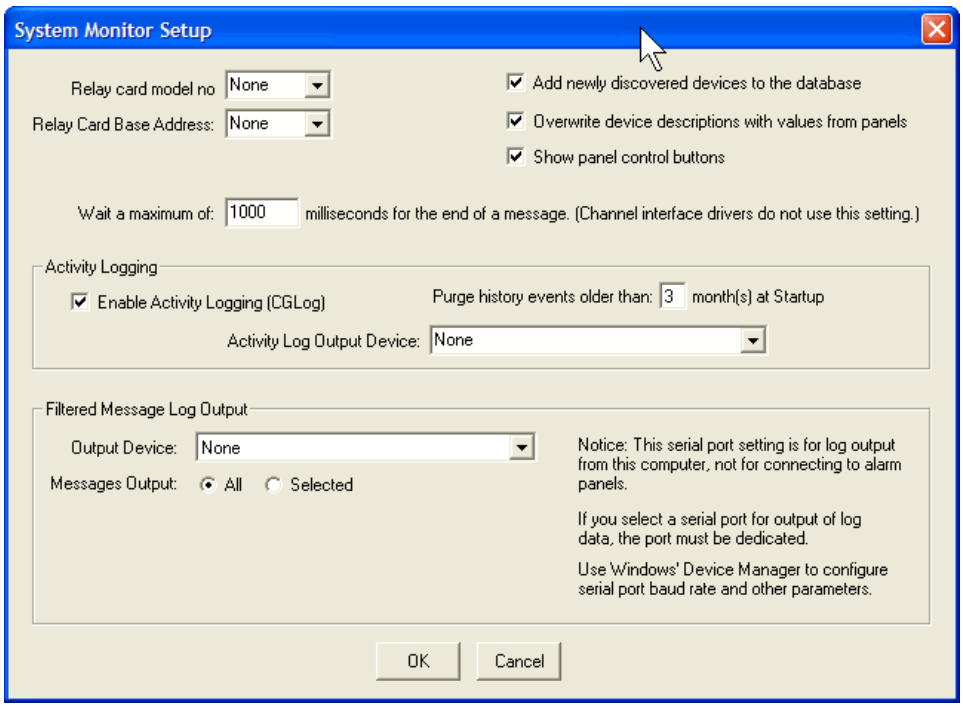


Acknowledge the warning that port monitoring will be suspended.



System Monitor Parameters

A "System Monitor Setup" screen will appear, and you can set the System Monitor parameters.



- The "Wait a maximum of:" setting is the amount of time Precise Vision will wait from the start to the end of an incoming message. Most systems do not use this setting. In UL 864 listed systems the "Message Wait Interval" may be grayed out.

- The "Relay Card Base Address" is not currently used.

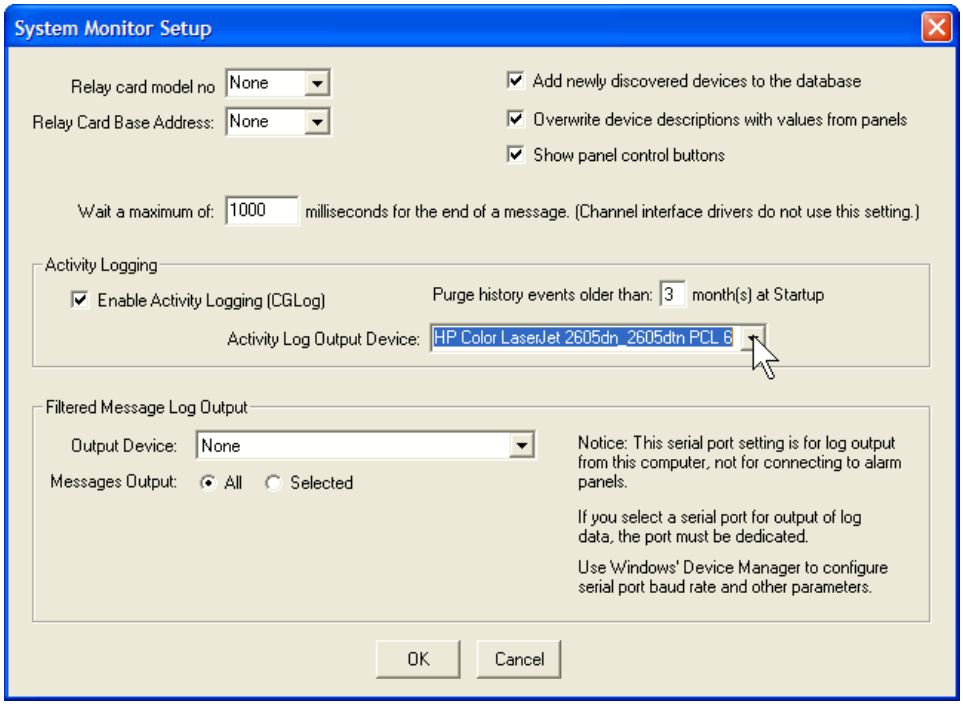
- Check "Add newly discovered devices to the database" if you want incoming data to create new devices in the database when a new address is reported from the panel.

Helpful Hint: Unless you get very familiar with the system, we HIGHLY suggest you make sure the "Add newly discovered devices to the database" box is UNCHECKED. This can cause you problems and cause your license to go over the device count limit. Leave unchecked unless you KNOW what this will do for your system if needed.

- Check "Overwrite device descriptions with values from panels" if you want to update your Precise Vision database with revised device descriptions as they come in from a control panel. You may have deleted a device, for example, and then sometime later used the same address number for another device — in which case you would have updated your description. On the other hand, if you use Precise Vision to provide longer, more expanded descriptions than your alarm panel reports, you should not overwrite device descriptions. In either case, you can override the "overwrite" function. See page 86 for the screen you would use to overwrite descriptions, or not, based on device types.

- Check "Show panel control buttons" to display buttons such as "acknowledge," "silence" and "reset" for the panel or network of panels connected to System Monitor. This does not affect whether they will show up in System Watch, only if they show at the bottom of the System Monitor Screen.

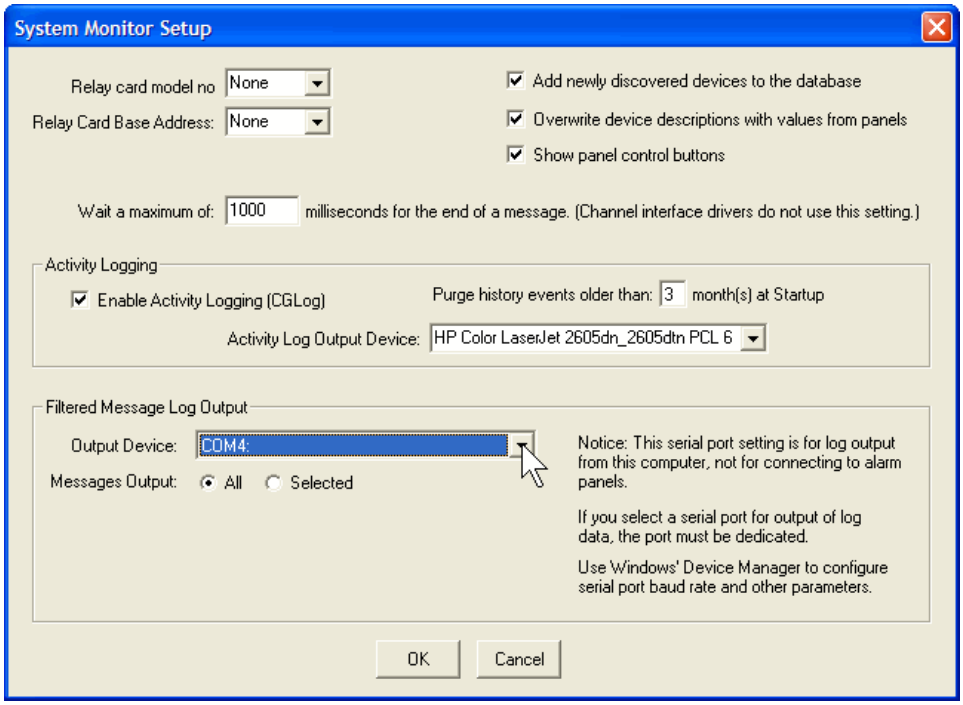
Activity Logging



- Check “Enable Activity Logging” if you will ever want to print reports of alarm and trouble events.
- Determine how long you want to keep records of events in your system, and set the “Purge” function accordingly.
- Use the “Activity Log Output Device” drop-down menu to assign a printer to your workstation.

Filtered Messages

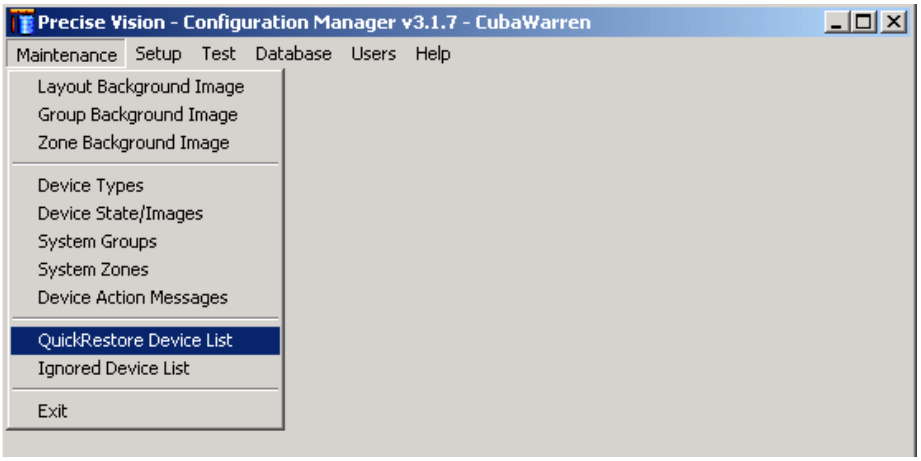
A filtered message is a panel message that Precise Vision forwards to another device, but only after the message is interpreted and matches the type that you have chosen to be sent. For example, you may have a remote printer in an office that should only receive printouts of alarms and resets.



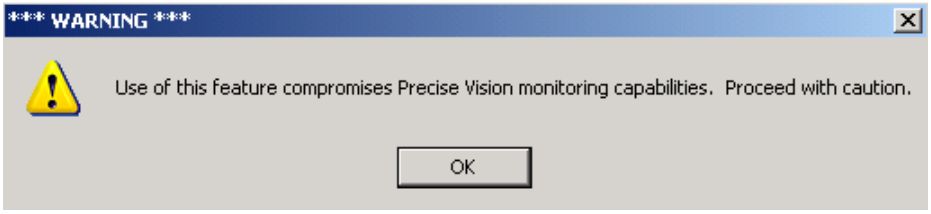
- Use the “Output Device” drop-down menu to assign a COM port to transmit, or printer to print the filtered data message as it comes in from control panels.
- Messages Output: Choose “All” if you want to print all events, or “Selected” to print just one type of events.
- When you are done setting up System Monitor, click “**OK**.”

Reset Your System to Normal after an Alarm

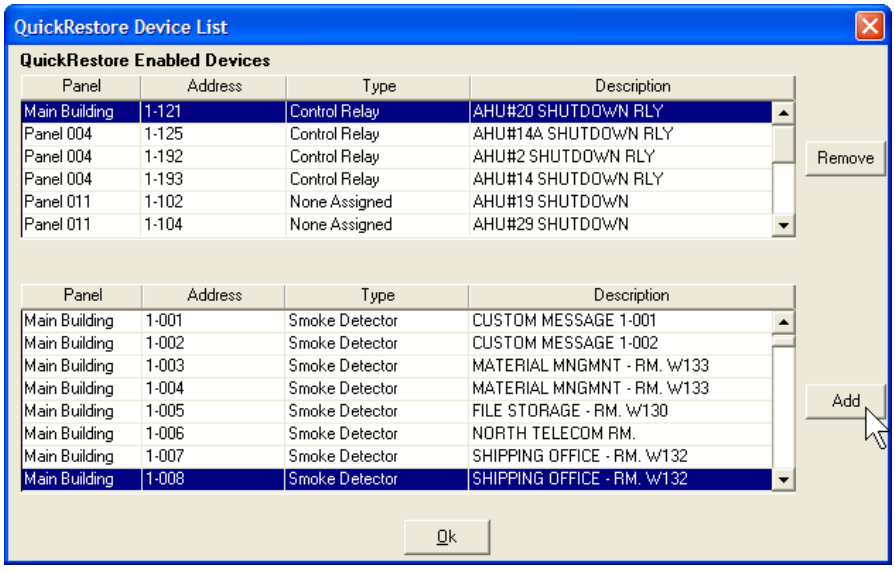
Some panels report trouble and alarm status, but they do not report the ultimate return to normal. Wireless devices, for example, may continually transmit while an alarm, and then simply stop reporting when the alarm is cleared. The Quick Restore function allows selected items to be removed from active status on the System Watch list when they have been investigated and resolved. To establish the Quick Restore function on your system, start by opening Configuration Manager. Go to the "**Maintenance**" drop-down list and click on "**Quick Restore Device List**."



A warning will appear. Remember, any item in the "QuickRestore" list will be removed from active status on the Precise Vision list whenever someone clicks "Remove Cleared." Click "**Ok**."



All of the devices in your system will be listed in the bottom half of the screen. Highlight any one of them and click "**Add**" to move it to the "Quick Restore Device List" at the top of the screen. A quick *double-click* will also move an item to the Quick Restore list.

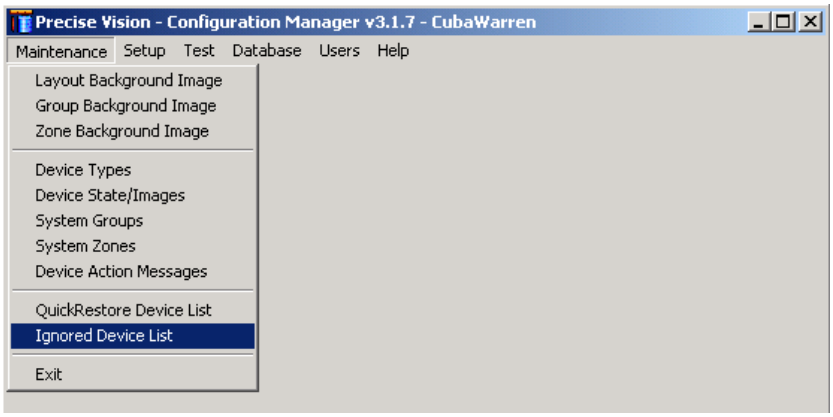


Ignore Devices

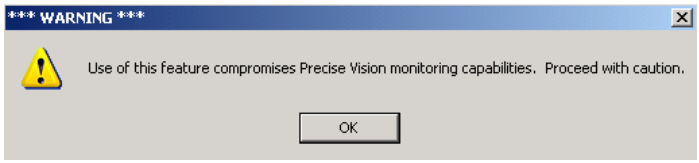
Some systems have numerous devices programmed in a complex chain that cause the control panel to report as many as 20 devices in trouble or alarm every time a single smoke detector goes into alarm. The number of alerts can make it hard to find the one device that is actually in alarm. To filter out auxiliary events, you may want to "ignore" some device addresses. ***(In UL 864-listed systems, you may not be able to use this function.)***

Helpful Hint: Remember, any item in the Ignore Device list will be completely ignored by Precise Vision. No color-coded lines, floor plans, or locations will be available. If an ignored device should go into trouble or alarm, Precise Vision will not report the emergency. Use the "Ignore" function with caution. (**This feature is NOT accessible in the UL Command and Control Version of the software**. UL does not allow this.)

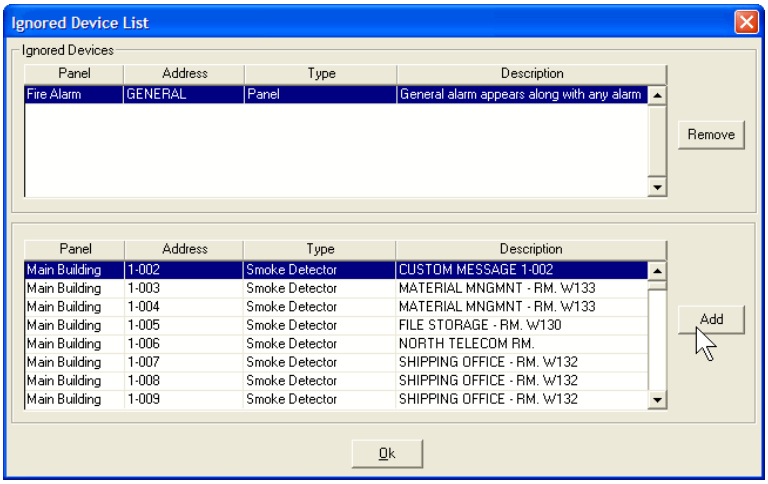
Open Configuration Manager. Go to the "**Maintenance**" drop-down menu and click on "**Ignored Device List**."



A warning will appear. Remember, Precise Vision will completely ignore any item in the list. Click "**Ok**."



All of the devices in your system will be listed on the bottom half of the window. **Highlight** any one of them and click "**Add**" to move it to the "Ignore Devices" list at the top of the screen. (A quick *double-click* will also move an item to the "Ignored Devices" list.)



Chapter 15: System Watch

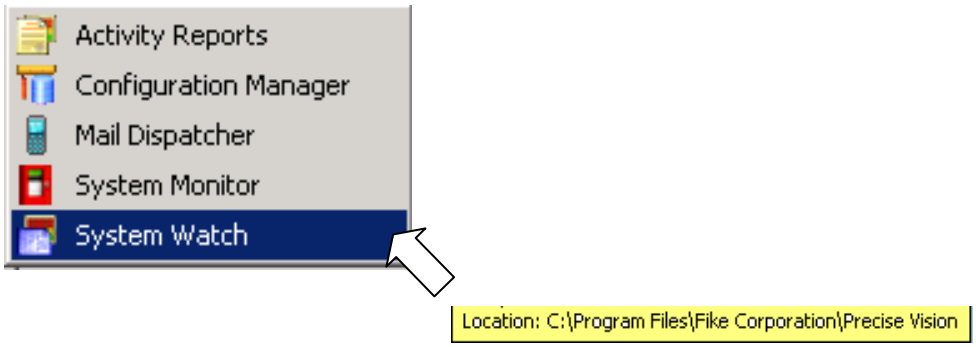
The System Watch program responds to incoming data from every fire alarm and security device on your site, and immediately alerts your staff to alarms and malfunctions. Simple color-coding indicates at a glance whether each device is in normal standby mode, malfunctioning, or in alarm. The System Watch program also allows users to pinpoint alarm locations on floor plans and review emergency instructions for each device.

Helpful Hint: Remember, System Watch will not update event list or work properly if System Monitor is not running in the background. System Monitor collects the events from the panel communication and it is then processed over to System Watch. If System Monitor is not running when System Watch is open, you will not see any panel events.

System Watch

You can customize your System Watch screen to emphasize information that is important to you. If your system allows you to control the fire alarm system, rather than simply monitor it, you might not be able to change all of the System Watch settings. Unavailable options will be grayed out to prevent unauthorized use.

To begin, click the "**Start**" button in the lower left-hand corner of your screen. Go to "**Programs**," slide the **Precise Vision** folder open, and click on "**System Watch**."



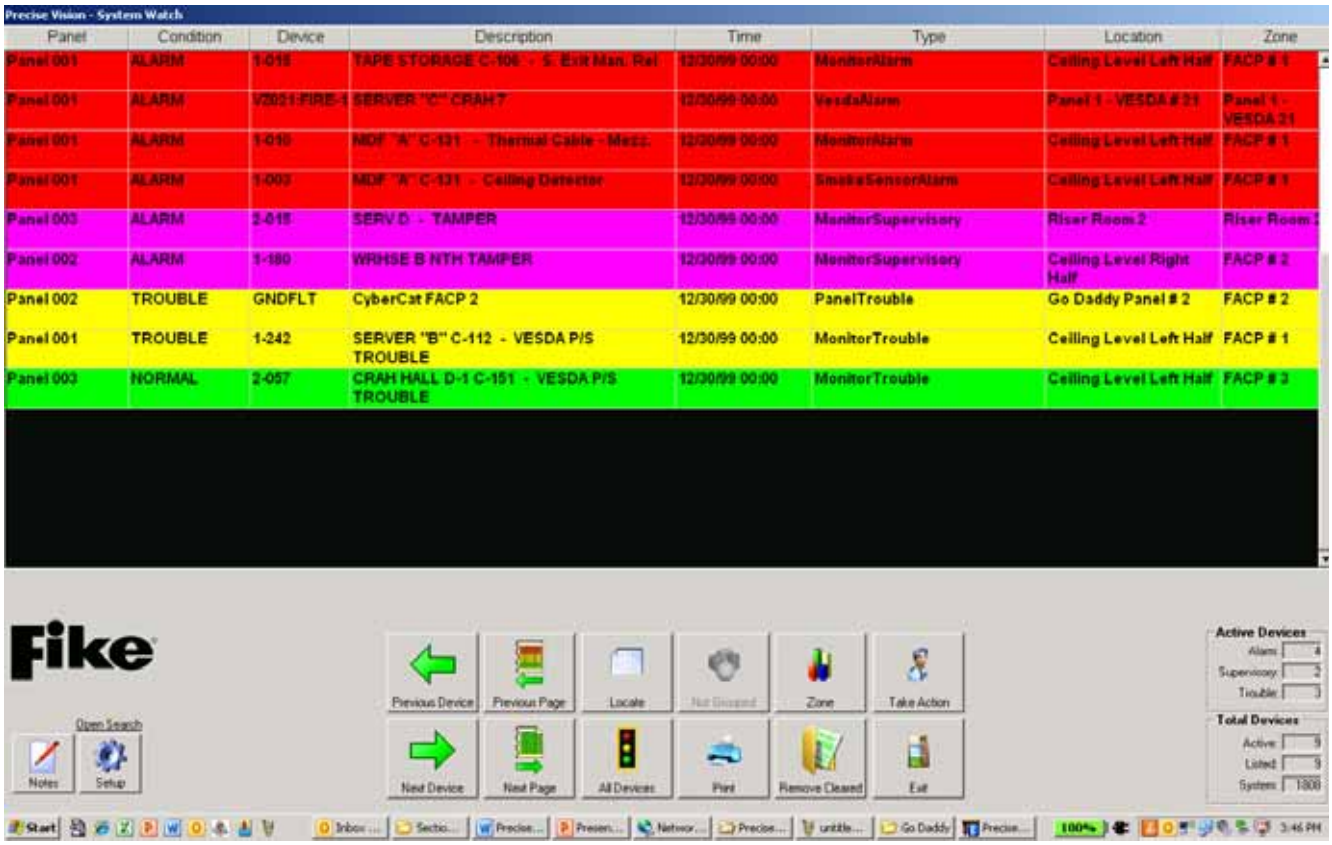
Helpful Hint: System Watch won't work correctly and update events if your System Monitor program isn't running, too, because System Watch receives current data from System Monitor. Make sure you open System Monitor before you open System Watch.

A System Watch splash screen will appear.

Helpful Hint: The UL Log will only appear if your Precise is licensed for the UL Version.

The System Watch List

The System Watch list shows every alarm and device in your Precise Vision system. One “current” alarm is always the focus of attention. Alarms are sorted by priority and time.



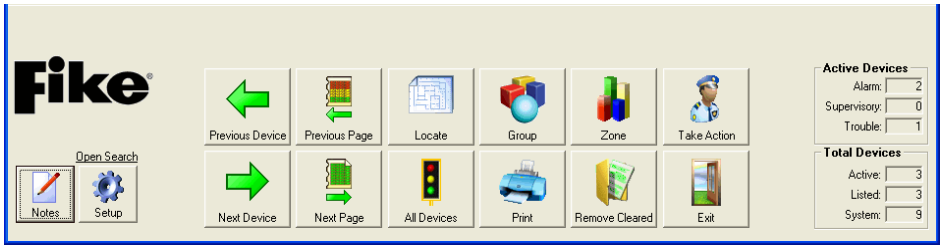
Color Coding

The System Watch screens are color coded, so you can see the status of every alarm and device at a glance. You can choose colors to fit your needs, but most users follow a fairly intuitive color scheme:

- Red: High-Priority Alarm
- Yellow: Trouble or Fault
- Green: Normal (Event has cleared but remains on screen in Green until you remove it)
- Violet: Supervisory - Tamper Switches, Firefighter’s Phones
- Blue: Security, Abort, Nurse Call

Push-Button Navigation

The System Watch interface also includes navigational buttons at the bottom of the screen. The buttons are intuitive, with clear, easy-to-understand icons. There are no drop-down menus in System Watch, because they could hide on-screen information that could be crucial in an emergency.



General Preferences for System Watch

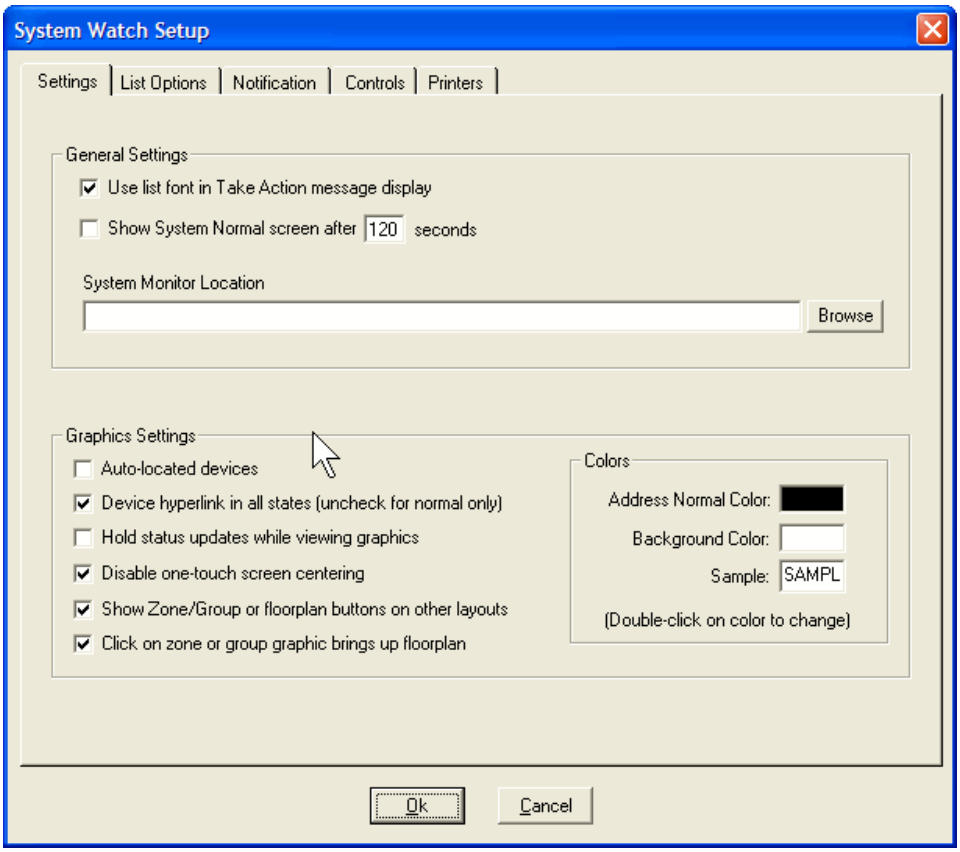
You can customize your System Watch screen to reflect your own preferences. You can, for example:

- Use the font of your choice for “Take Action” messages.
- Allow System Watch to minimize on screen. (It will not minimize by default.)
- Print graphics, no matter what type of printer you have.
- Display new devices that have not yet reported trouble or alarm.
- Choose whether to update the date and time when a device is restored, or to leave it set to the time of the alarm.
- Choose to sort your list by time or by alarm priority with fire alarms at the top of the screen, supervisory alarms below, and troubles beneath. UL 864 Listed systems will be preset to sort by alarm priority.
- Automatically locate devices on maps and floor plans.
- Display a “screen saver” image when all devices are in normal mode.
- Show the “Acknowledge” button in System Watch.
- Show the “Silence” button in System Watch.
- Show the “Reset” button in System Watch.
- Require a password to Acknowledge, Silence, or Reset alarms.
- Allow hyperlinks to replace “Take Action” messages when a user clicks on a device in alarm or trouble. (The “Take Action” button always displays the Take Action message screen.)

To get started, click the “Setup” button in the lower left-hand corner of the System Watch list window.

System Watch Settings

Once you click on the System Watch "**Setup**" button, the "System Watch Setup" window will open. The first tab, "**Settings**," outlines a number of options for the System Watch screen, regarding general settings, graphics settings, and colors.

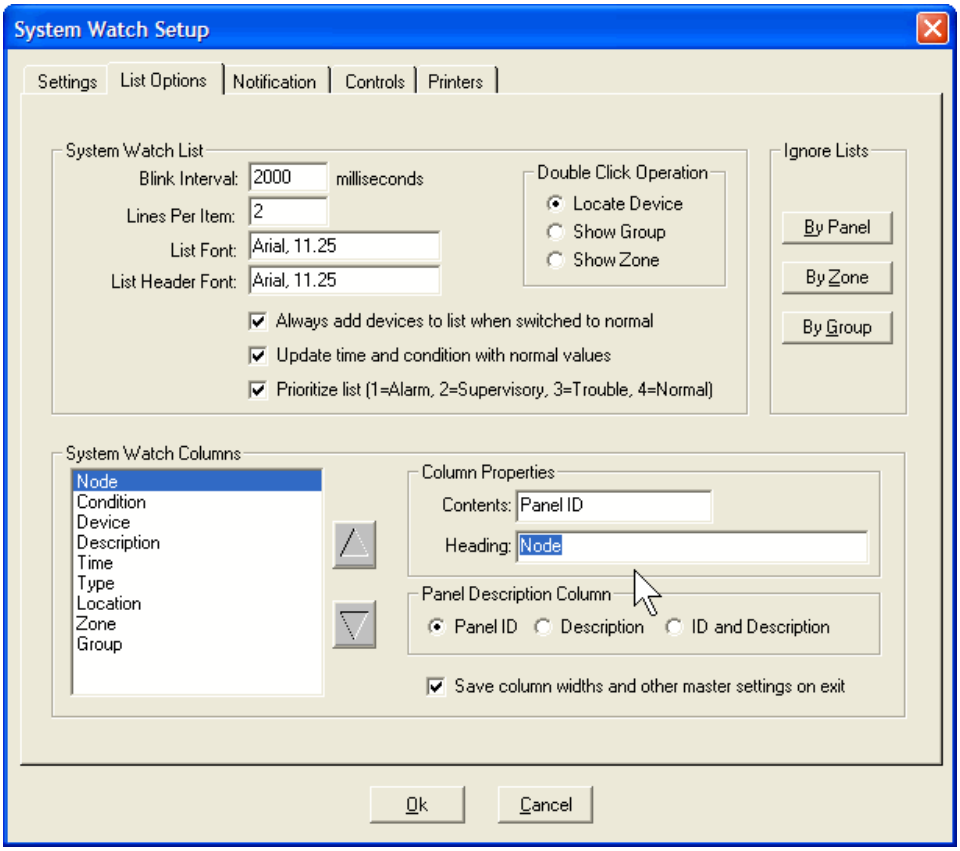


- Look at the "General Settings" options. We recommend that beginners use the same font for their device lists as for their "Take Action" emergency messages — so check the first box.
- Also check "Allow System Watch to Minimize." It is a handy feature to use when you're setting up your system.
- The other General Settings options relate to UL-listed systems. Leave them unchecked for now.
- Look down at the "Graphics Settings" list. Disable the screen centering option, because it seems to make the floor plan jump around unexpectedly and it confuses most new users — especially if they are using a touch screen computer.
- Finally, look at the "Colors" section. Double-click on either the "Address Normal Color" or the "Background Color" to try new combinations. Black and white work well for most users.

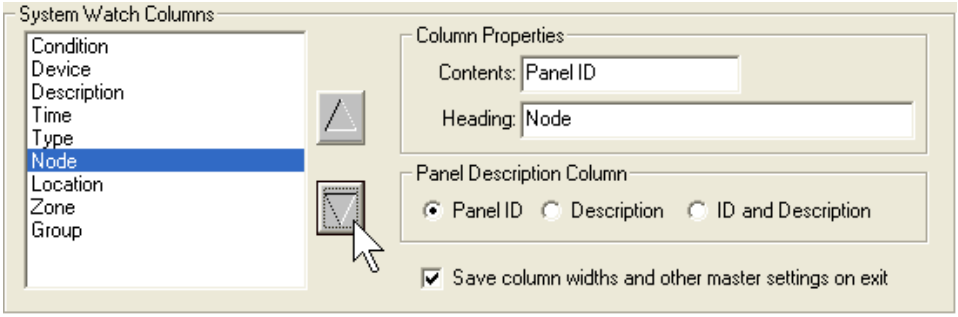
When you are through with the "Settings" tab, click on the "**List Options**" tab.

System Watch Columns

When you are in the "List Options" tab window, you can change the order and the headings of your System Watch columns. Simply **highlight** any line in the "System Watch Columns" field.

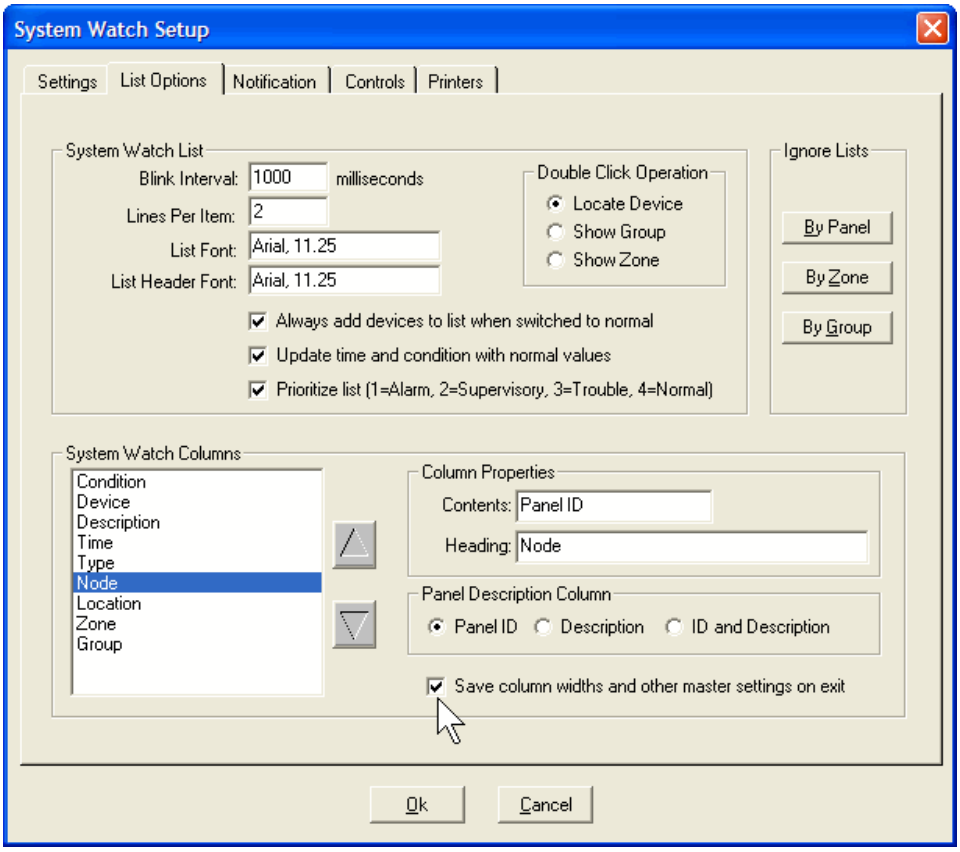


- Use the up-and-down "System Watch Columns" arrows to change the order of the columns.
- Change the column heading in the "Heading" field under "Column Properties."
- The "Panel Description Column" may contain the panel ID, the panel description, or both. These are the values that were added in the "System Panels" part of the database.
- If you want to change the default column width for System Watch lists, make sure the check box at the bottom of the form is filled in. (Please note, though, that you will actually change column widths from within Configuration Manager's test mode.)



System Watch List Options

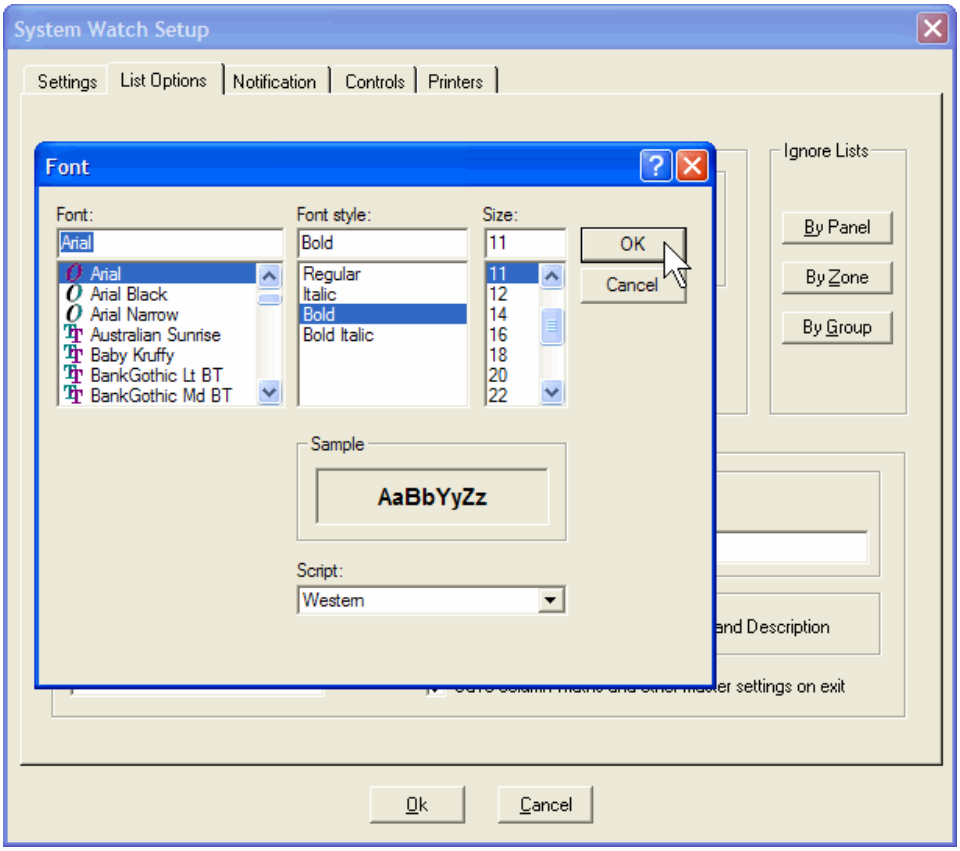
Now that you can see the "List Options" screen, set your list options as shown, including a check mark for "**Save Column Widths on Exit.**"



- The "Blink Interval" setting determines how fast an active device will flash on screen.
- "Lines Per Item" controls the height of each line of text used to list a device. If you choose to use multiple lines of text, the lines will wrap automatically.
- If you use a single Precise Vision station to monitor alarms from a number of buildings, you can set Precise Vision to ignore some alarms.

System Watch Fonts

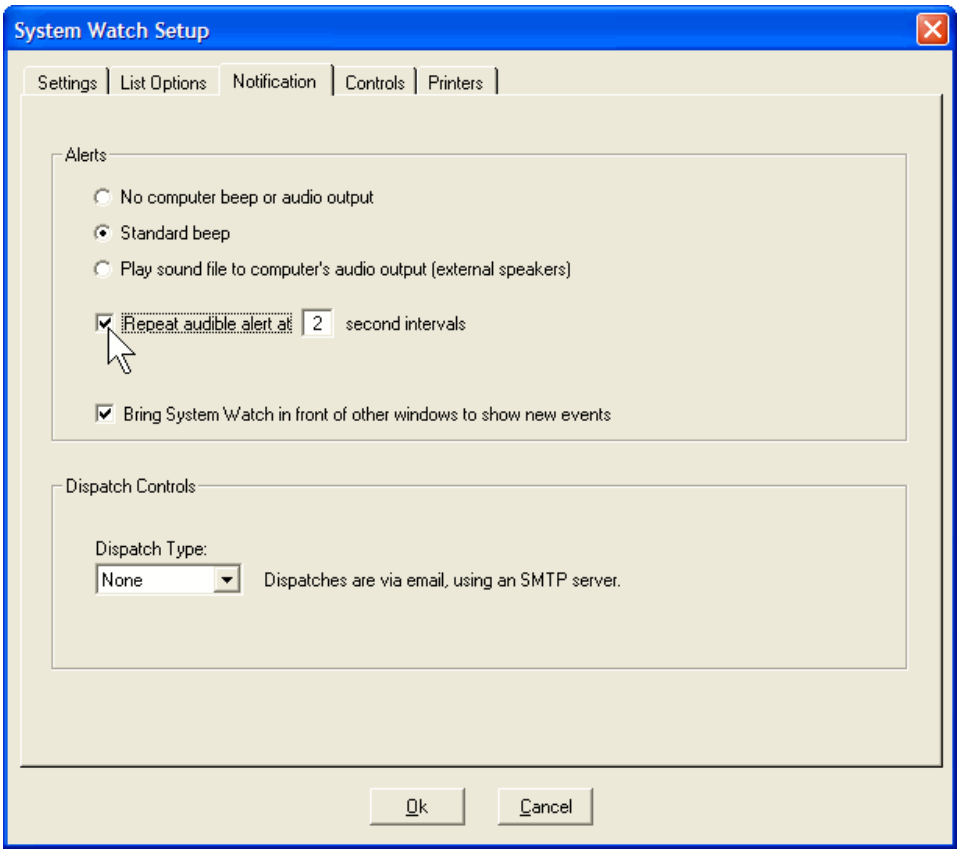
To change the font for your System Watch list, *double-click* in the "List Font" and "List Header Font" fields. You may use any standard Windows font you like; we recommend Arial, regular, 10 point for items in your list, and Arial, bold, 11 point for the header font. Choose new fonts for both your list items and your headers, and then click "**Ok**" to close the "Font" window and return to the "List Options" screen. Then go back to the top of the System Watch Setup window and click the "**Notification**" tab to proceed.



Helpful Hint: You might notice that you are not able to use this Window to choose font colors. That's because color settings are determined by the state of each device.

Notification Options

Click the "Notification" tab to set notification preferences. For this example, click the "**Standard Beep**" option and check the "**Bring System Watch to Top**" box.



- Use the Notification Alert section to choose whether your system will play an audible alert during trouble and alarms. UL 864 listed systems will be preset for continuous, audible alert.
- To hear an audible alert, select a standard beep or WAV sound files.
- To force Precise Vision' System Watch screen to come to the forefront on a new alarm or trouble (interrupting other Windows programs) check the option "Bring System Watch to Top."

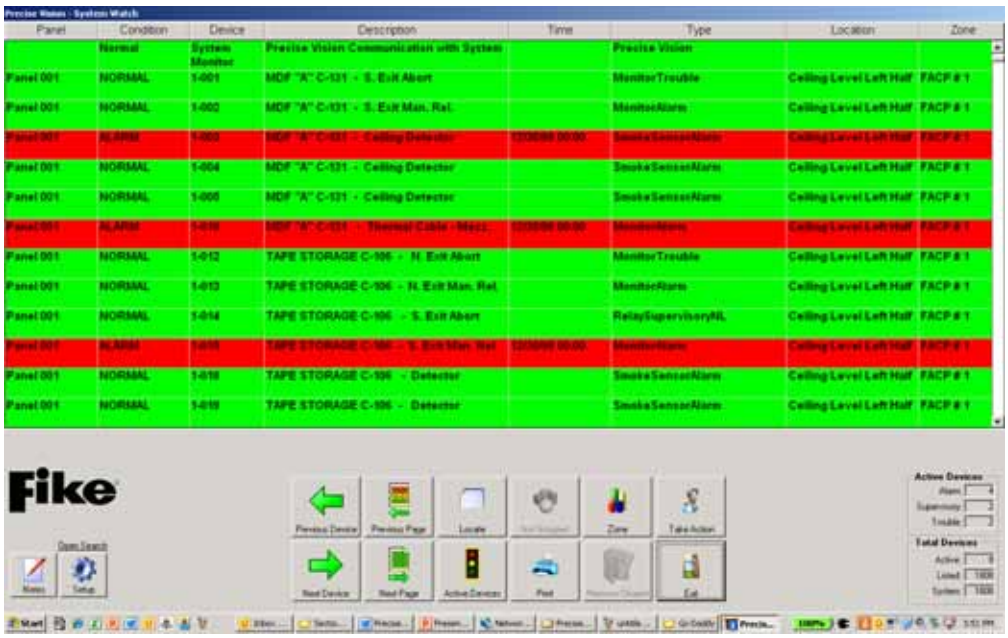
Click "**Ok**" to close the System Watch Setup window and see the changes you've made to your System Watch list.

Active Devices

When you are looking at the System Watch list, you can toggle between two modes: “Active” and “All.” The active list shows the devices that requires attention, either because they are malfunctioning or in alarm. Click the “Active” button to see the devices that need attention. By default, they will appear with the newest items reporting alarm or trouble at the top of the list.

All Devices

When all devices are in normal condition, the active list will be empty. (The screen will either be gray or show a “System Normal” screensaver image.) To see a list of every device in a system, click “**All Devices**.” Those that are in normal mode will be listed in green. You can click the “**All Devices**” and “**Active Devices**” button to toggle back and forth between the two screens.

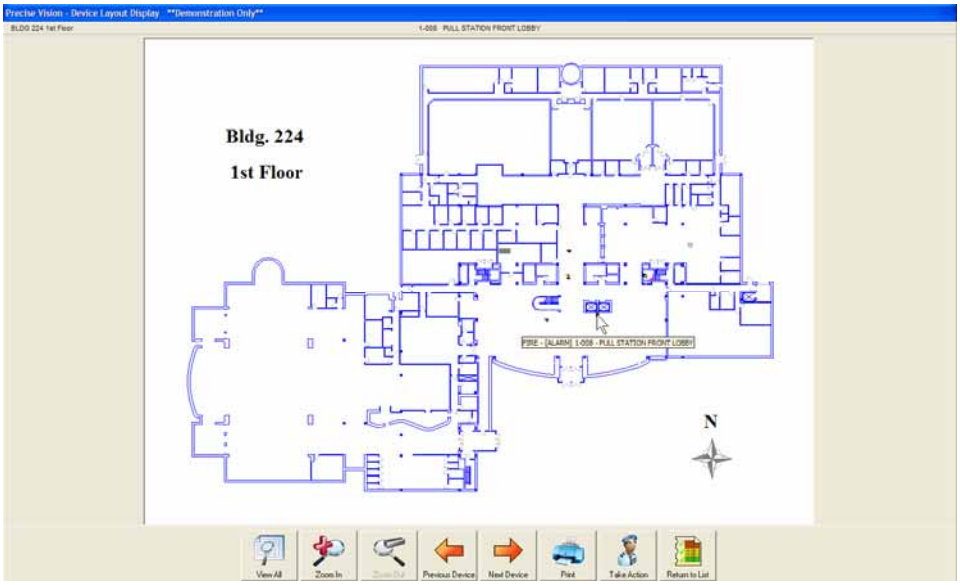


Locate Devices

When you click on any device in a list and click the "**Locate**" button, you will be able to see it on a map or floor plan of your site. You can click on any device in any System Watch list to locate it on a background map or floor plan.

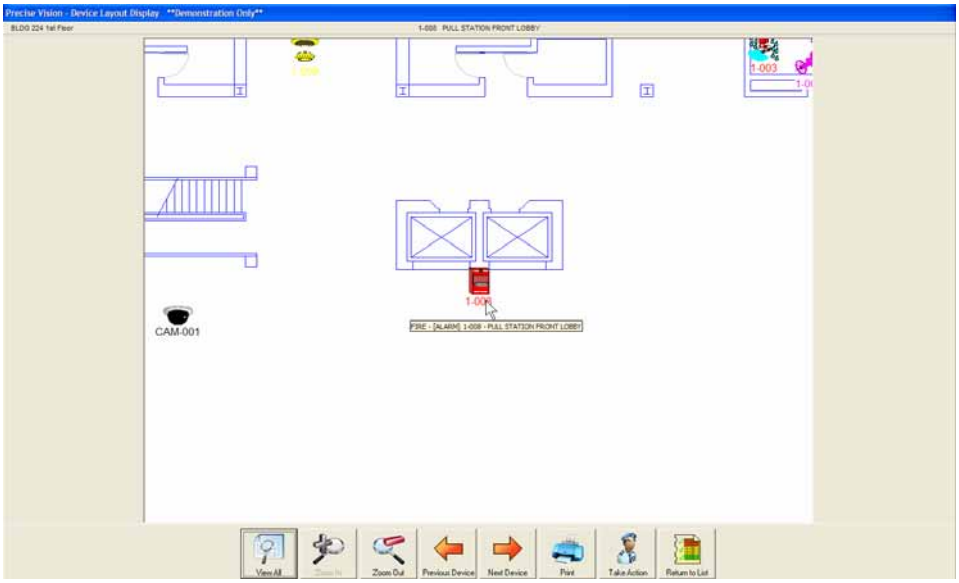
Locate Maps and Floor Plans

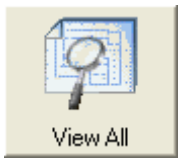
When you click "**Locate**," you will automatically switch from the System Watch list view to the System Watch graphics window. The graphics window shows the floor plans of your site and all active devices. A blinking box now surrounds the device that was highlighted in the list.



Zoom In and Zoom Out

You can click the "**Zoom In**" button for a closer look, or "**Zoom Out**" to see more of the floor plan. You can also click "**View All**" at any time to see the full floor plan. Once you have zoomed in as much as possible, the "Zoom In" button will be grayed out.





View All

Click "View All" to display the full floor plan.

Return to the List

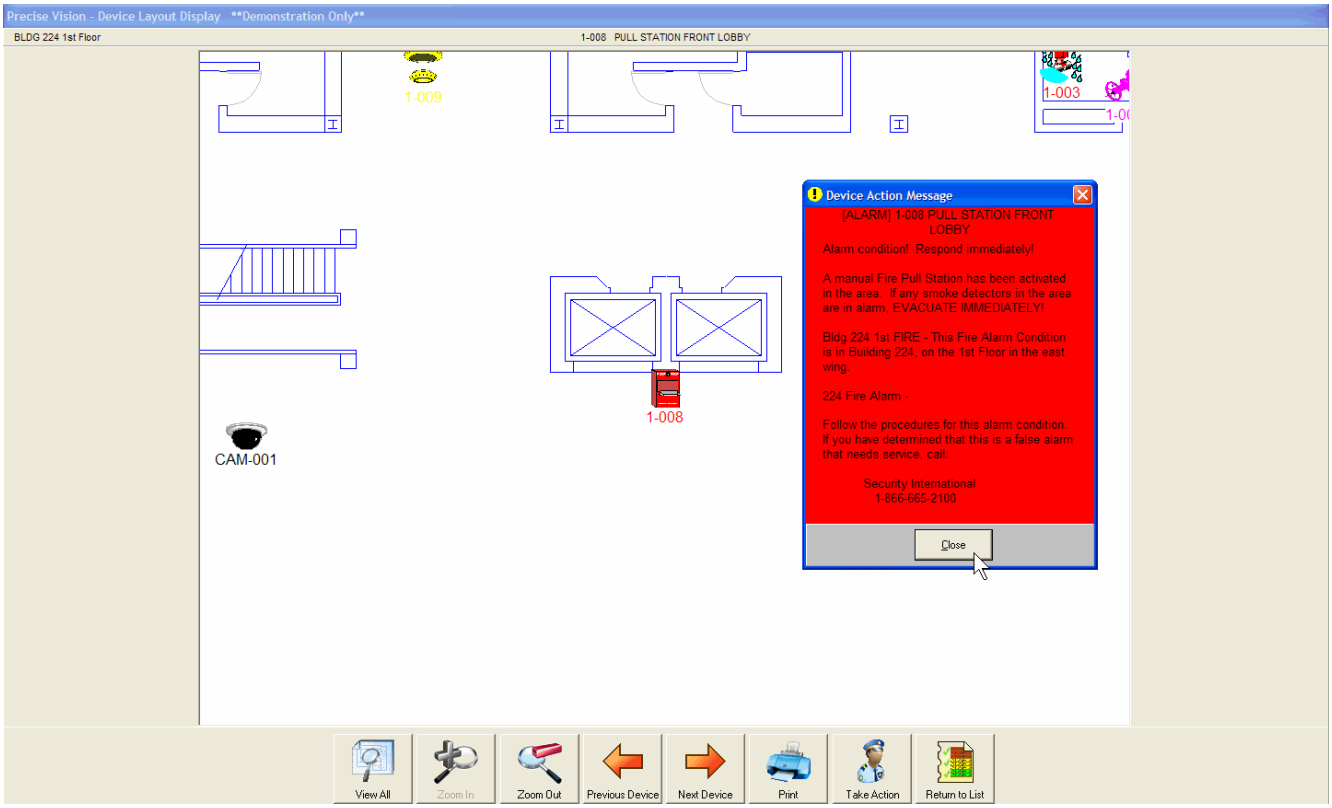
After viewing the graphics, return to the System Watch list by clicking "Return to List."

Take Action

Whenever devices go into trouble or alarm, they will automatically appear on the Precise Vision monitor, either on the System Watch list or on a floor plan. Click the "Take Action" button or click on any active device to get a customized "Take Action" message.

Take Action Messages

"Take Action" messages explain each alarm and give specific emergency instructions. When you are done reading the instructions, click the "**Done**" button at the bottom of the window.



Previous Device and Next Device

Use the "Previous Device" and "Next Device" buttons to review the current state of each alarm in the System Watch list. You can also click each device in the list, or use the arrow bar.

The "Previous Device" and "Next Device" buttons are also used on the "Layout Background" screen to highlight each alarm with a blinking box. The "Current Device" is displayed at the top of the screen.

Once you have returned to the list, you can click "Previous Device" and "Next Device" to continue working your way through alarms and devices that need attention.

Previous Page and Next Page

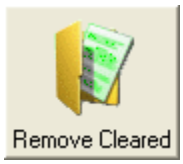
Use the “Previous Page” and “Next Page” buttons to page through a complete list of every alarm and device in the system.

Zones and Groups of Related Devices

Use the “Zone” button to view zones of related devices, usually within a specific area. The System Watch displays a list of zone names and specifies alarm zones.

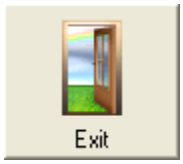
Use the “Group” button to view groups of similar or related devices, usually by a category of device type. The System Watch displays a list of zone names and specifies alarm zones.

Remove Cleared Devices



When devices malfunction or go into alarm, they will stay on the System Watch active list — even after they are restored to normal — until you click the “Remove Cleared” button. (The fact that an event stays in the system until you click “Remove Cleared” gives you time to investigate a situation, even if an event automatically clears itself from the system.)

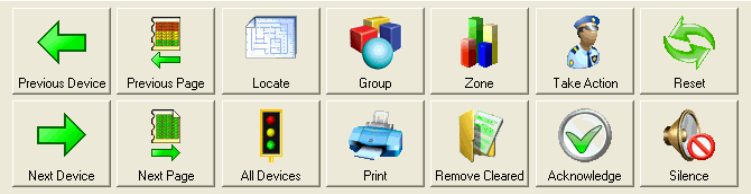
Exit Precise Vision



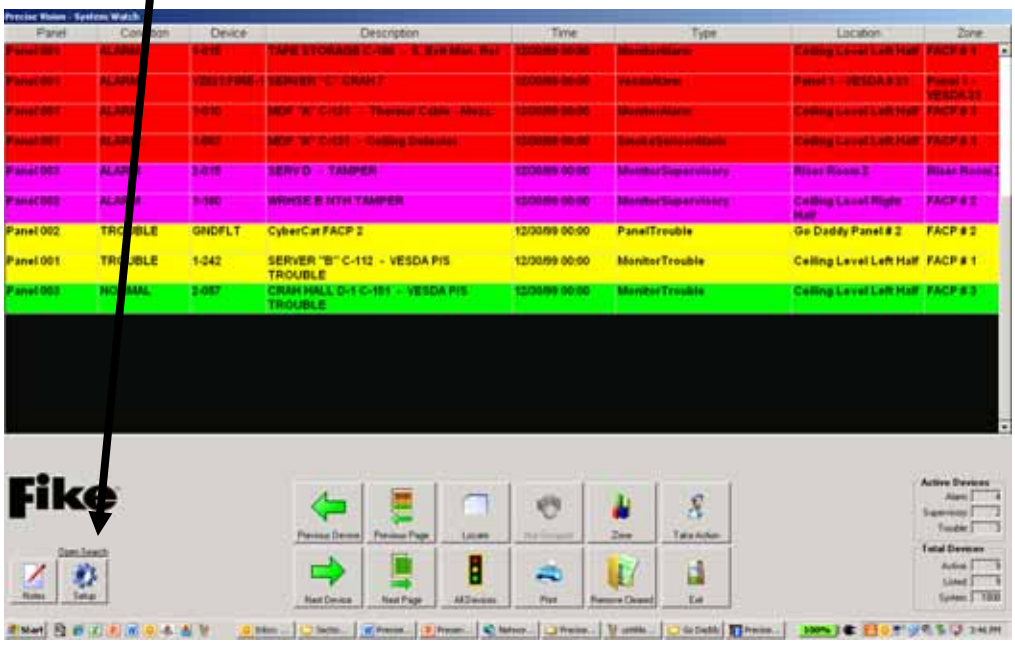
Click the “Exit” button — or the “X” in the top right-hand window of your screen — to leave the System Watch program. You will need a level-three password to shut down Precise Vision.

Additional System Watch Features

You can add even more features to your System Watch program: Reset, Acknowledge, and Silence.

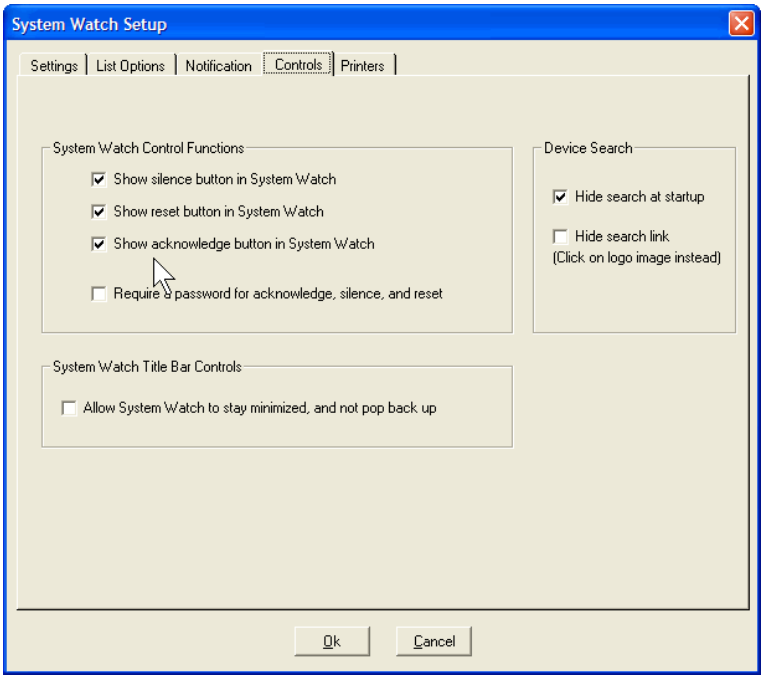


To add the features, click "**Setup**."



Extra Settings

To include the extra features, check "**Show Silence Button**" in System Watch, "Show Reset Button in System Watch, and" "Show Acknowledge Button in System Watch."



Helpful Hint: The "Silence" and "Reset" features of fire alarm systems can put people and property in danger. In particular, the "Silence" button will turn off alarms, which could keep people in the path of a fire or seem to indicate they should go back into a burning building. The "Reset" button can turn fans on, keep elevators in operation, and open fire doors. Obviously, the "Silence" and "Reset" features are not intended to be used from a remote monitoring station, and doing so could violate code regulations. If you are not physically in a building, and you have not checked the validity of an alarm in person, do not use the "Silence" and "Reset" buttons to quiet an alarm that is in progress.

Acknowledge Alarms

The "**Acknowledge**" button allows you to acknowledge that you have received a message from a system. Typically, clicking the "**Acknowledge**" button will silence the internal beeper in a panel that is reporting trouble or alarm. If you have set Precise Vision to play a continuous audible alert, the "Acknowledge" button will silence your Precise Vision system, too.

Silence Alarm Sounds

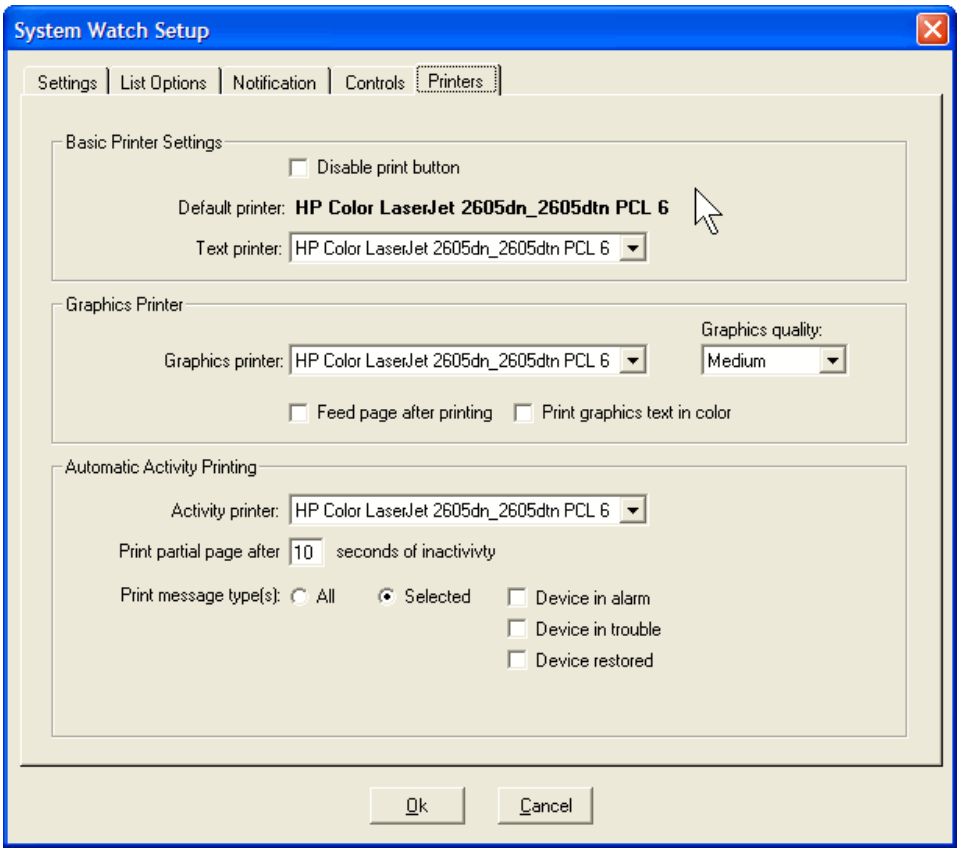
The "**Silence**" button sends a signal to the fire alarm system. That signal lets you turn off alarm horns, so that you could stop a building evacuation. (The "**Silence**" button might also turn off strobe lights.) On some systems, clicking the "Silence" button a second time will reinstate an evacuation signal.

Reset the System

After an alarm, the "**Reset**" button will send a signal to the fire alarm system and restore the system to its normal monitoring state.

Printer Options

You will use the "**Printers**" tab section to set your printing preferences.



- If your Precise Vision computer isn't connected to a printer, you may want to check "Disable print button" as a reminder that nothing will print by pressing the button.
- The Basic Printer Settings allow you to choose the printer that will receive text-based printouts such as the device list and reports.
- The Graphics printer option selects the printer that will print floor plans, zones, and group graphics screens.
- Automatic Activity Printing determines which printer will print event logs, which can often be lengthy.

When you have set up your printing preferences, click "**Ok**" to close the System Watch Setup window and see the changes you have made to your System Watch list.

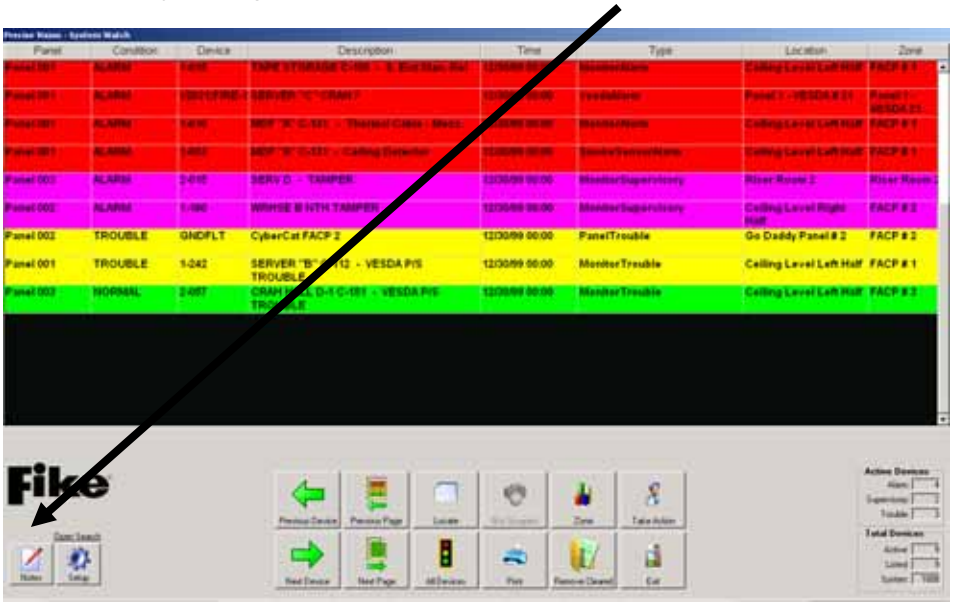
Precise Vision System Messages

In addition to the messages received from field panels and devices, Precise Vision may report messages that indicate its operation may be impaired. One such message lists “System Monitor” as its address. If you see this message, check to make sure that the System Monitor program is running.

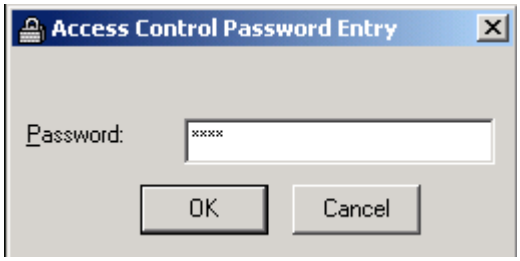
Helpful Hint: Both System Monitor and System Watch must be running for Precise Vision to function.

Add Notes and Comments

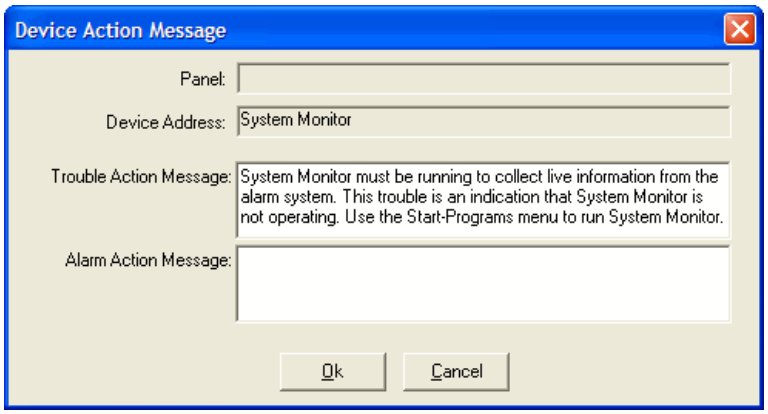
The person in charge of responding to alarms may want to add notes to the "Take Action" messages, to inform other Precise Vision users about special situations or conditions. The process of adding notes is simple: Select the device for which you want to add a note by clicking on it in the list, and click "**Notes**."



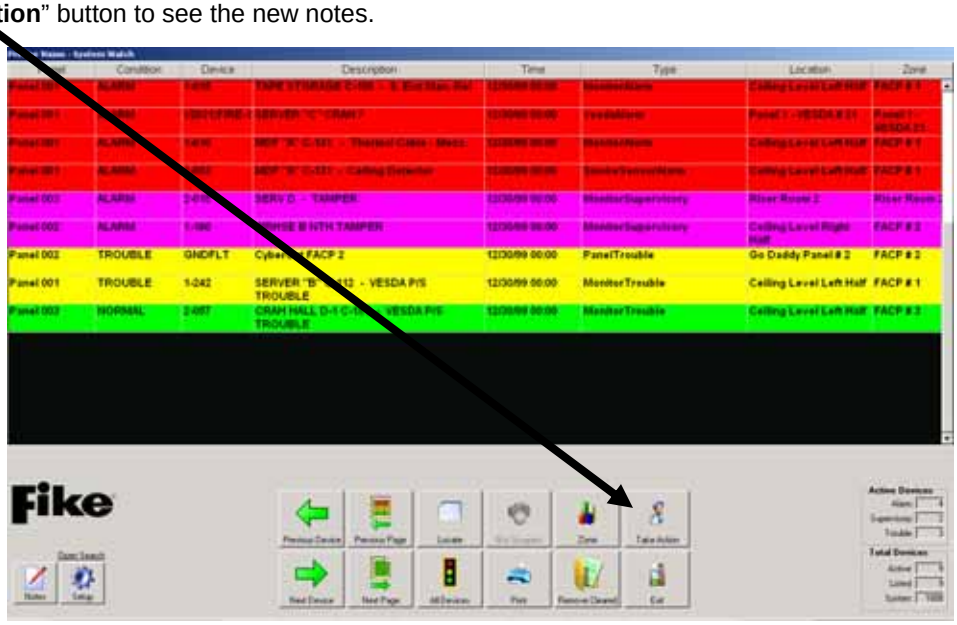
Enter your level-one password.



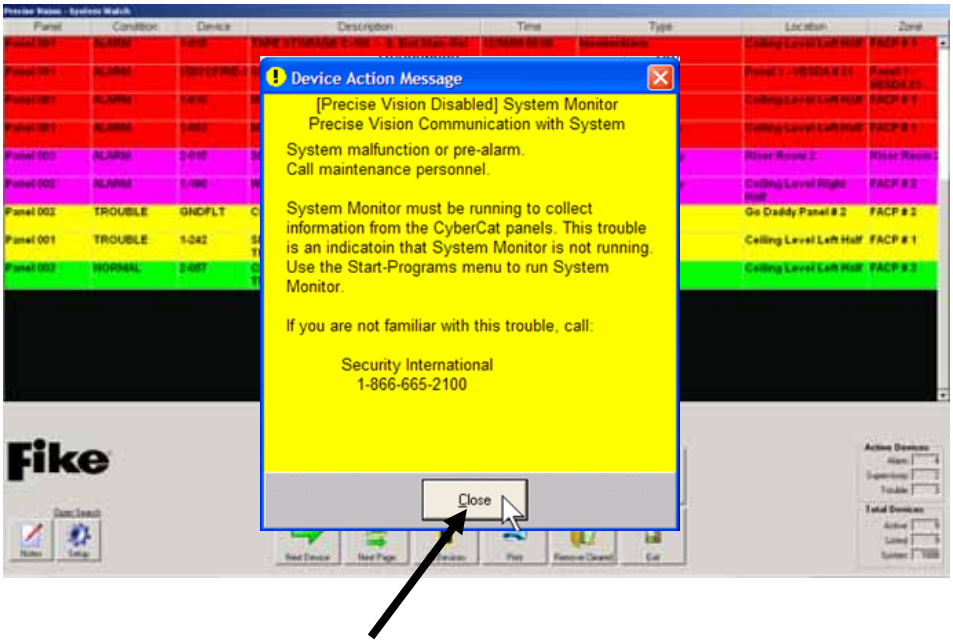
Type your notes, either for devices in alarm or devices in trouble. When you are through, click "**Ok**."



Click the "**Take Action**" button to see the new notes.



Everything on the Action Message is customizable to say whatever you or the site needs it to convey.

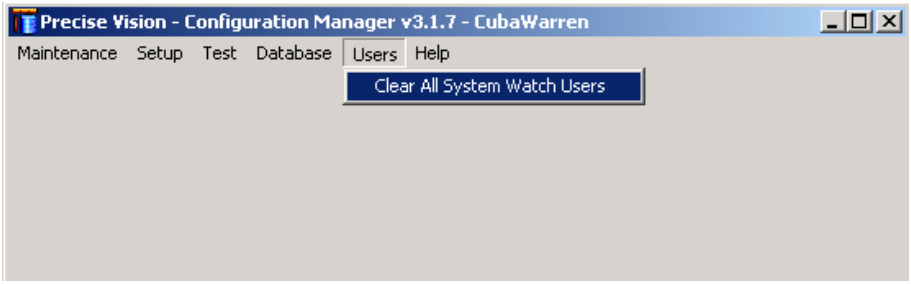


When you are through checking your notes, click "**Close**."

Clear All Users

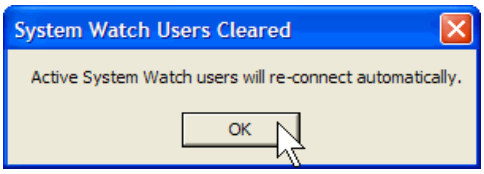
If you manage a Precise Vision network and your network locks up, the main Precise Vision computer could retain outdated records about which users are still connected. If that happens, you can simply clear all System Watch users. When you clear all users, the connection will be automatically re-established with any users who are there. The clearing process will help re-establish accurate communication between all Precise Vision computers.

To clear all users, open Configuration Manager. Go to the "**Users**" drop-down menu and select "**Clear All System Watch Users.**"



NOTE: This option is NOT available on the UL version of Precise. The Users selection is not even there.

You will be asked to confirm the process. If you click "**Yes**," you will disconnect all current System Watch users.



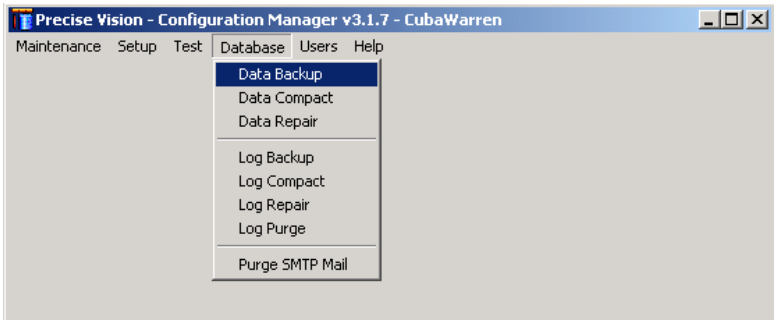
This page intentionally left blank

Chapter 16: Database Maintenance

You've put a lot of effort into setting up and customizing your Precise Vision system. Now is a good time to save your work by updating your database. This chapter will show you how to back up your data, compact and purge old log files, and maintain your database in smooth running order.

Back Up Your Database

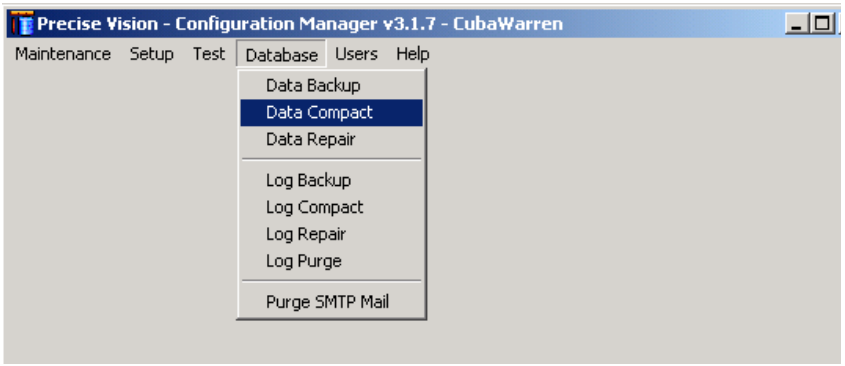
Once you have finished setting up your Precise Vision system, it is a good idea to back up your database, just in case your computer's hard drive fails. You should routinely back up your hard drive once a month — and you should also back up your database anytime you make significant changes to your system. You can start the backup process by opening Configuration Manager. Go to the "**Database**" drop-down menu and select "**Data Backup**."



All of the data unique to your system — the Vision.mdb file — will be copied into a new file named Precise Vision.001 in the C:\Program Files\Fike Corporation\Precise Vision folder. Precise Vision will automatically save the last five versions of your Vision.mdb file. The names will be numbered from 001 through 005. When you do a backup, all five files are cascaded to replace the earlier version. The file named Precise Vision.001 is always the most recent backup.

Compact Your Database

Microsoft reserves some open space in your database, which grows with the amount of data you store. When you import and change images, that extra space can include a large amount of empty space. Before you transmit Precise Vision files via e-mail or copy them onto disk or CD, you should compact them. Compacting files will not change their readability. It will simply delete unused space. To compact files, go to the "**Database**" drop-down menu and select "**Data Compact**."



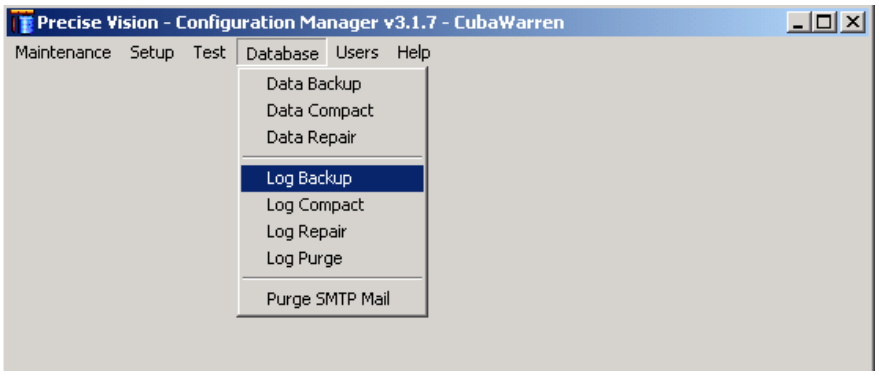
Helpful Hint: If a lot of work and changes have been done to the system, it is a good idea to run this Data Compact occasionally to keep file size from growing too large, which can sometimes cause operational problems.

Restoring Your Backed-Up Database

If you need to restore a database previously backed up, simply go to the C:\Program Files\Fike Corporation\Precise Vision folder and rename the backups, like Vision.001 to Vision.mdb and that will replace the current version of the database. If unsure of what you will be replacing, it is a good idea to rename the Vision.mdb to something like "Vision.old" so it will be available if you determine you should not have replaced it or copied over it.

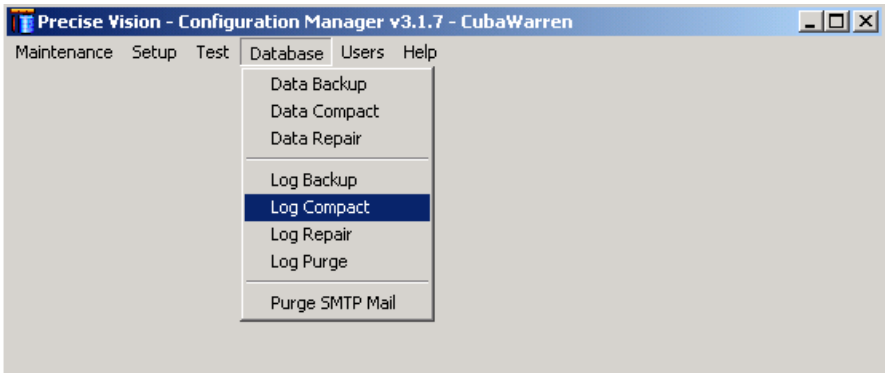
Back Up Your Log File

It may be your policy to back up your log file. When you choose "**Log Backup**" from the "**Database**" drop-down menu, the current CGLog.mdb file will be copied to a file named CGLog.001 in the Precise Vision folder on your hard drive. Precise Vision saves up to five backup files in a cascaded fashion; CGLog.005 will be the oldest. If you need to save more than five backup files, you can transfer them to a floppy disk or a re-writeable CD.



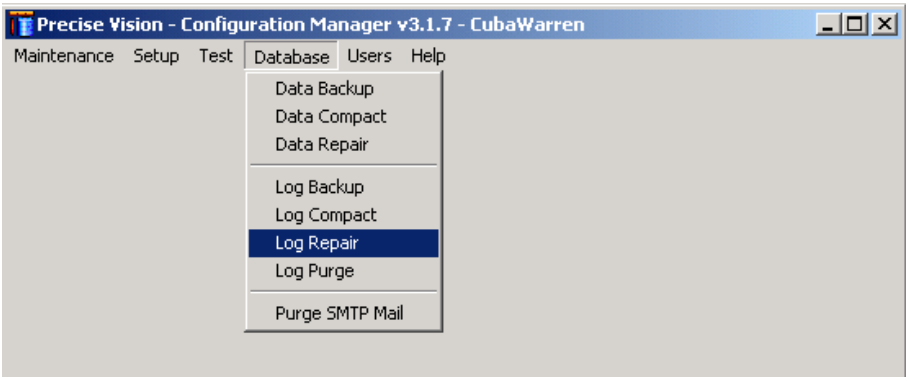
Compact Your Log File

If your Precise Vision system processes a lot of activity, your historical log file might grow large. You can use the "**Log Compact**" function to reduce the file size.



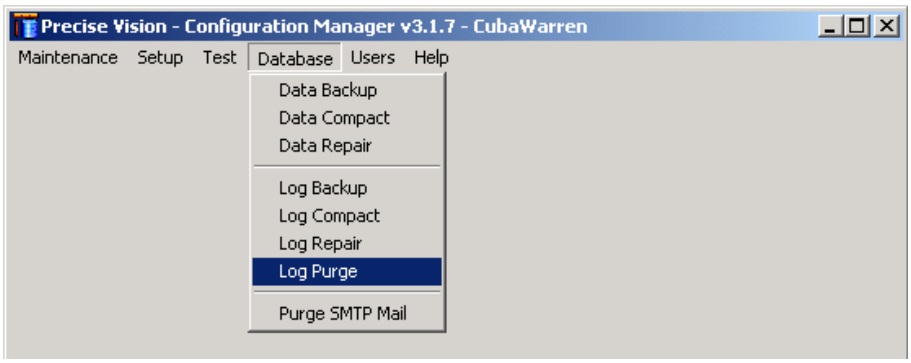
Repair Your Database Log File

If Precise Vision is trying to write to the database at the same moment that the computer is turned off, the database file might be corrupted. If you see a message that the CGLog.mdb file is corrupt, open the "**Database**" drop-down menu and click "**Log Repair**."

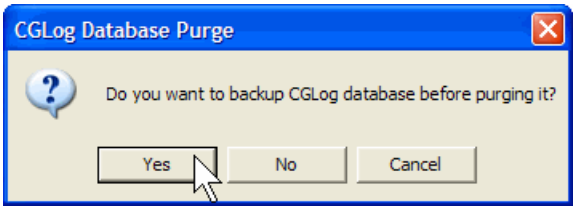


Purge Old Log Files

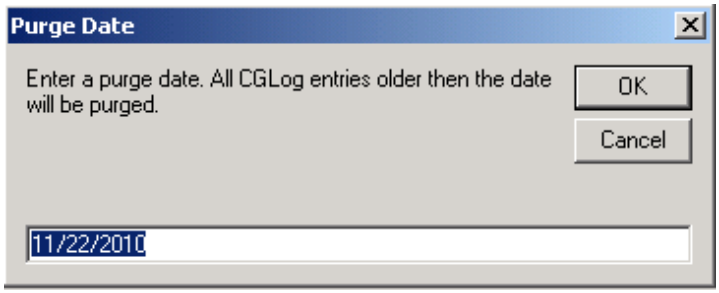
If your system has a lot of activity, the database file might become so large that it slows down the system. To purge old log files, click on "**Log Purge**."



You may be asked to backup your database before you purge it.



You can remove events prior to any date you select. Enter the date, and then click "**Ok**" to purge.



See Changes to Your Database

From time to time after making changes to the device information and layouts, you may want to preview your work. You can use Configuration Manager to see how your database will look In System Watch. Start by opening Configuration Manager. Go to the "**Test**" drop-down menu and click on "**System Watch**."

Helpful Hint: When you test, System Watch will not be online with control panels. To test the control panels themselves, exit Configuration Manager and start both the System Monitor and the System Watch program. See the System Monitor and System Watch sections of this guide for more information.

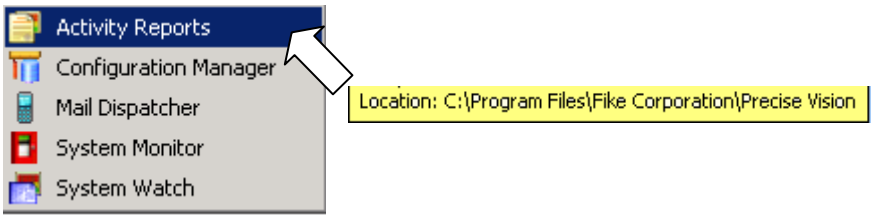
Chapter 17: Reports and Records

Precise Vision automatically compiles second-by-second, minute-by-minute reports of alarms and events, exactly as they occur. With Precise Vision reports and records, you can reconstruct emergency events after the fact — both to verify that the proper steps were taken, and to improve future responses. You can print and distribute reports with a single click, and you can modify them to highlight any information you think is especially important.

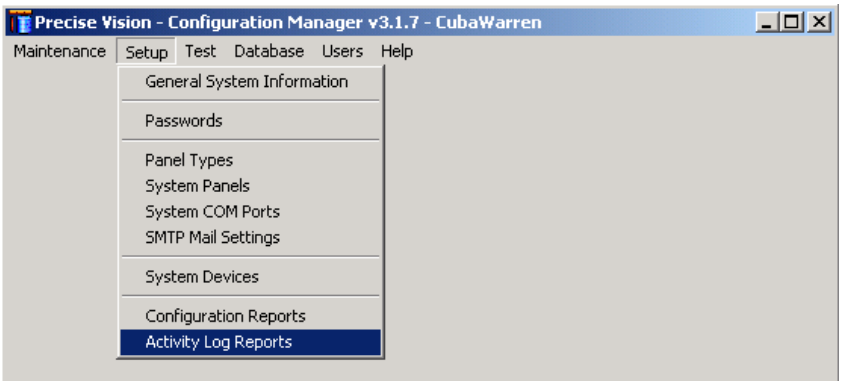
The Activity Reports Program

Activity Reports allow you to study the course of events as they happened in real time, because it records the complete sequence of devices that report trouble and alarm. You can create individual reports, using filters to isolate the data you desire. You can also sort reports in any order you like.

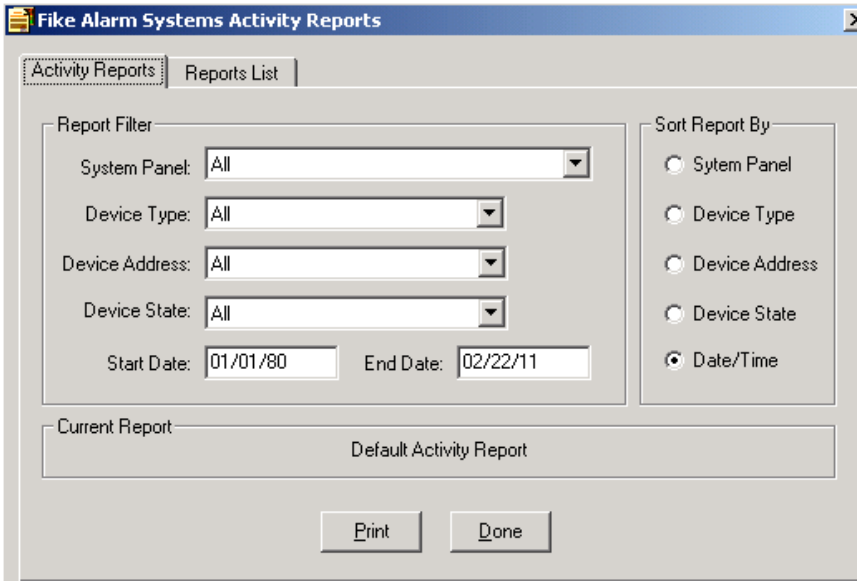
To begin, click the "**Start**" button in the lower left-hand corner of your screen. Go to "**Programs**," slide the **Precise Vision** folder open, and click on "**Activity Reports**."



You can also open Reports from within Configuration Manager. Go to the "**Setup**" drop-down menu and select either "**Configuration Reports**" or "**Activity Log Reports**."

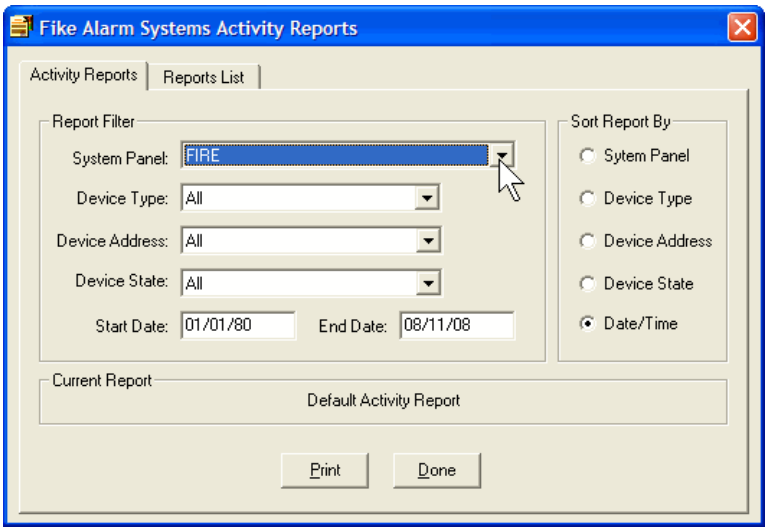


When Activity Reports program opens, you will see the default "Activity Reports" tab, with every filter set to "All," and the "Sort Report" option set to "Date/Time." If you click "**Print**," you will get a full report of the current status of every panel and device in your system.



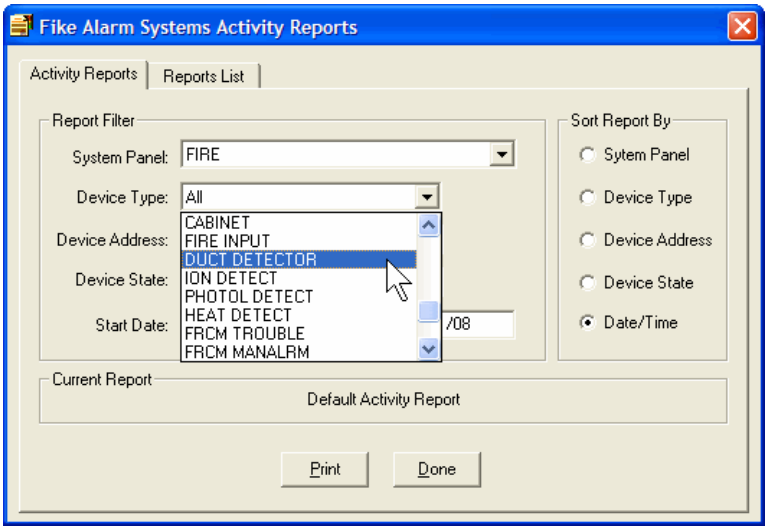
Filter by Panel

Use the drop-down "**System Panel**" menu to filter your report by panel.



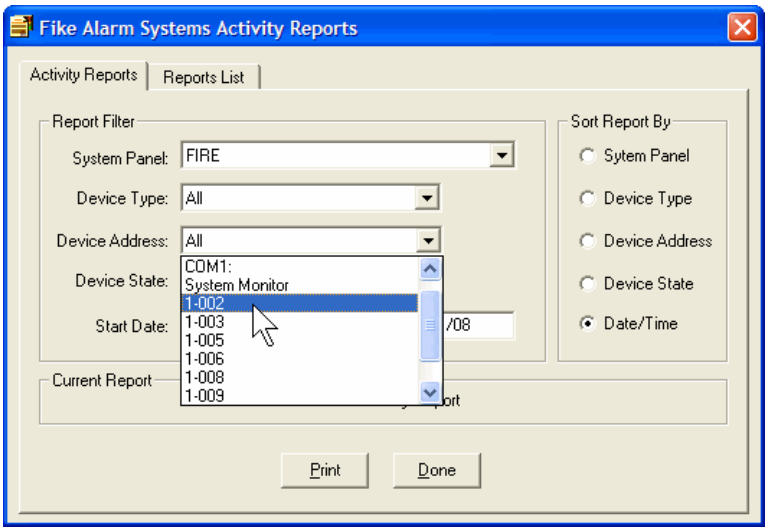
Filter by Device Type

Use the drop-down "**Device Type**" menu to filter your report by device type.



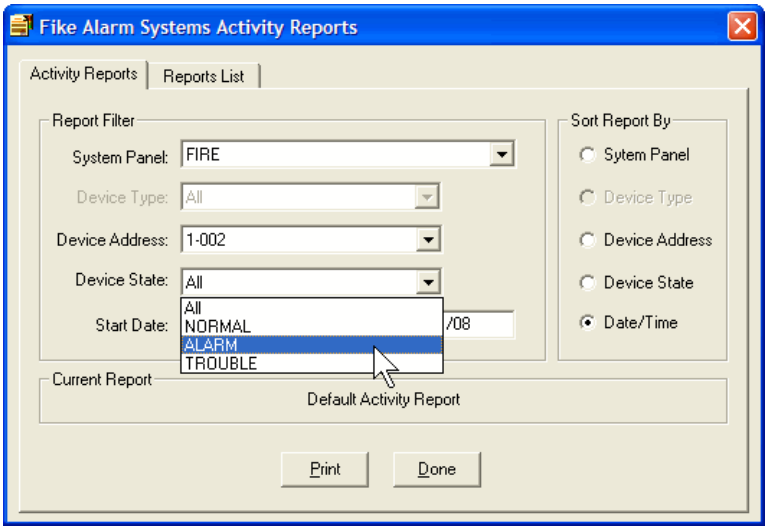
Filter by Device Address

Use the drop-down "**Device Address**" menu to filter your report by device address.



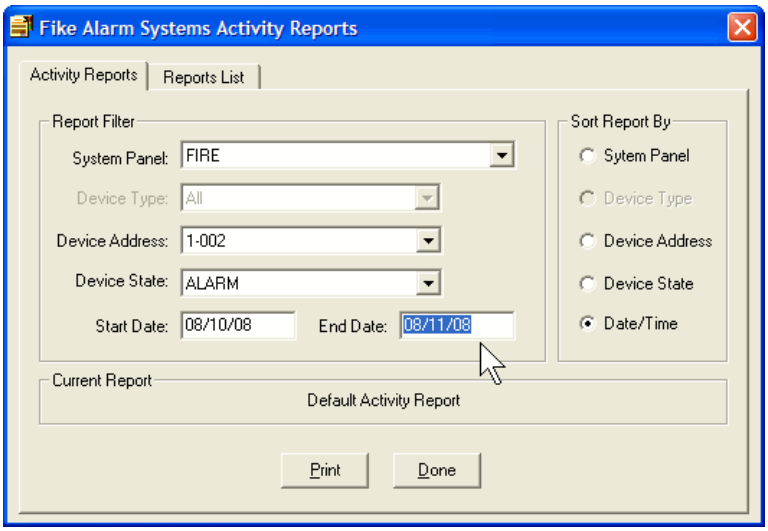
Filter by Device State

Use the drop-down "**Device State**" menu to filter your report by device state.



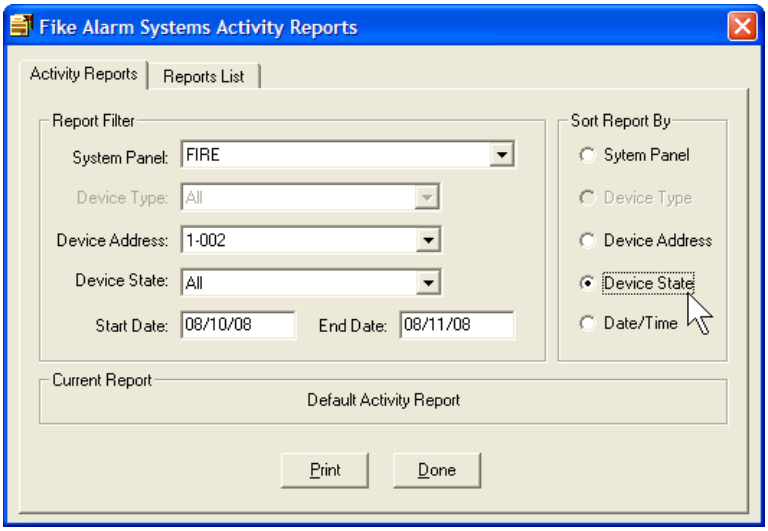
Filter by Date

Use the "**Start Date**" and "**End Date**" fields to filter your report by date.



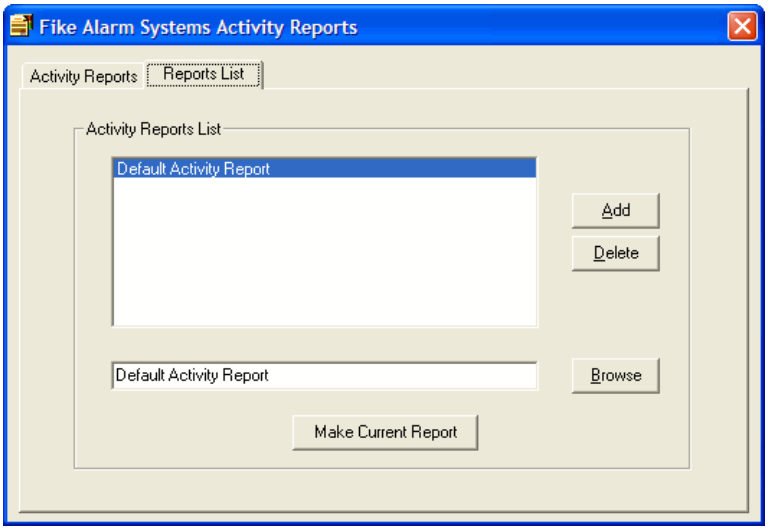
Sort Reports

Use the "**Sort Report By**" check boxes to filter your report by panel, device type, device address, device state, or date and time.

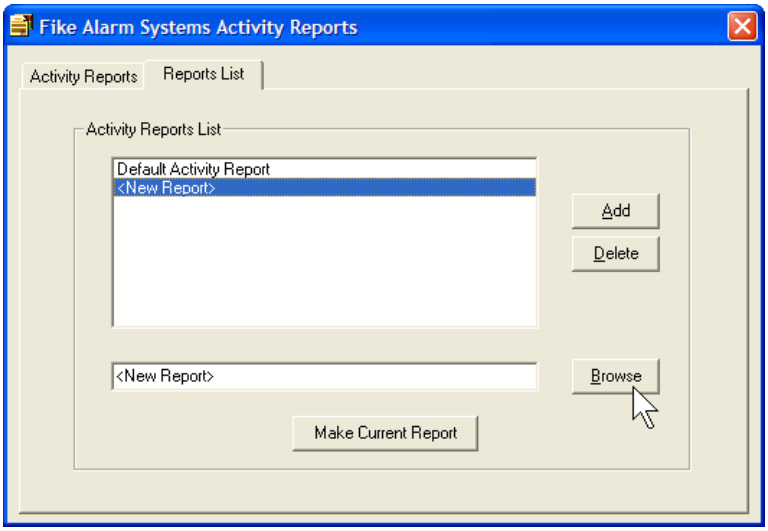


Report Formats

Precise Vision comes programmed with several pre-set report formats that you can use: address activity, date and time activity, panel activity, service report, state activity, system devices, system panels, and type of activity. To access the report formats, open the "**Reports List**" tab screen and click "**Add**."

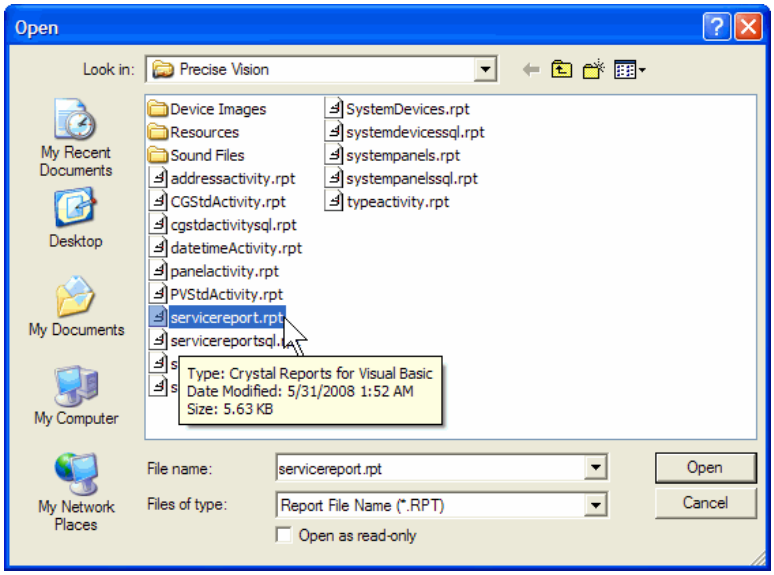


You will see a <New Report> line item added to the "Activity Reports List." Highlight it and click "**Browse**" to find a new pre-set report format.



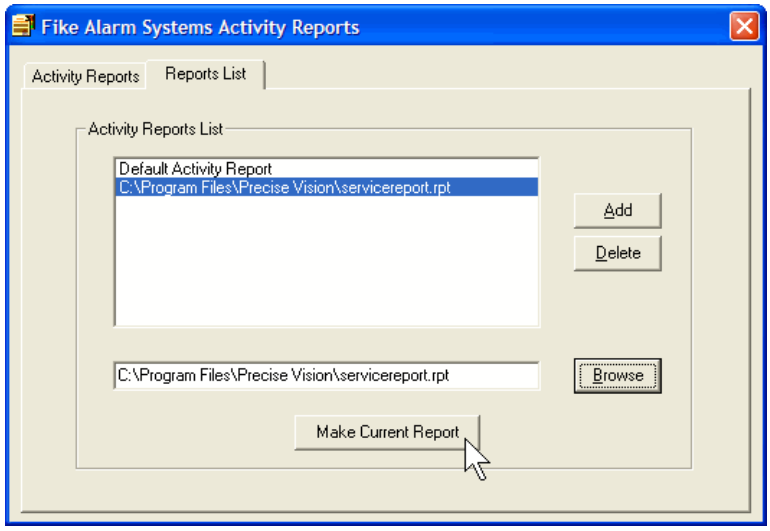
Select a Pre-Set Report Format

The pre-set report formats are in the Precise Vision program folder on your hard drive. (The complete file path is **C:\Program Files\Fike Corporation\Precise Vision**.) Highlight the report format of your choice and click "**Open**."



Change Your Current Report

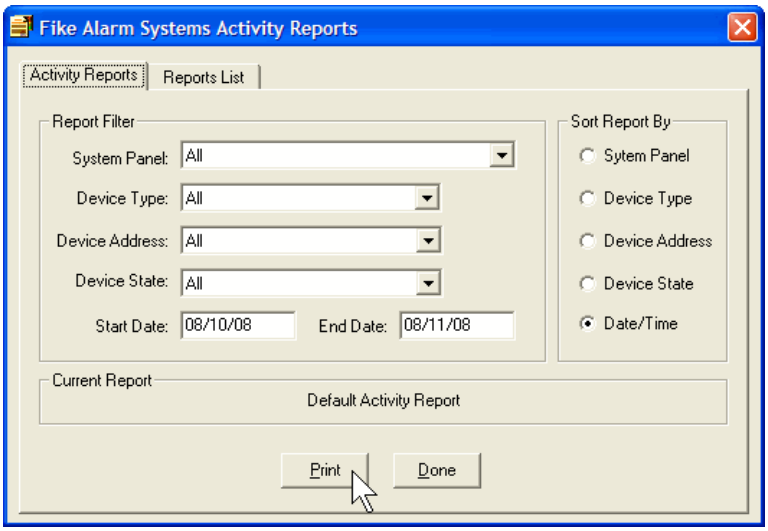
Precise Vision will add the new pre-set report format to your "Activity Reports List." To make the new Activity Report your current report, click "**Make Current Report**."



Helpful Hint: The "service report" format is especially handy, because it lists the most recent service date of every device in your system. If a device has not been tested or reported a trouble or alarm within a specified period — the last six months, for example — the date field will be blank, and you will know it's time to schedule service.

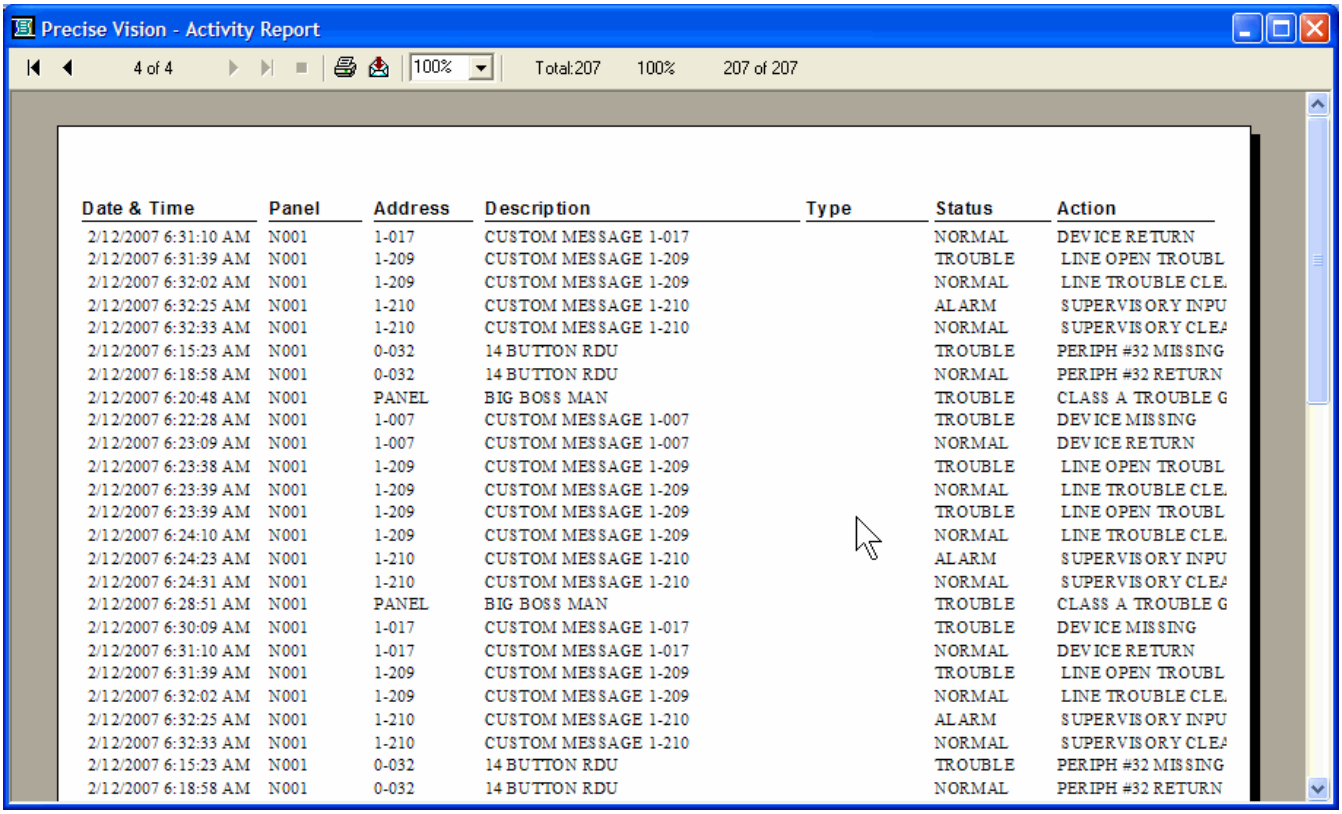
Print Reports

Once you have selected filter and sort options, click "**Print**."



Print Preview

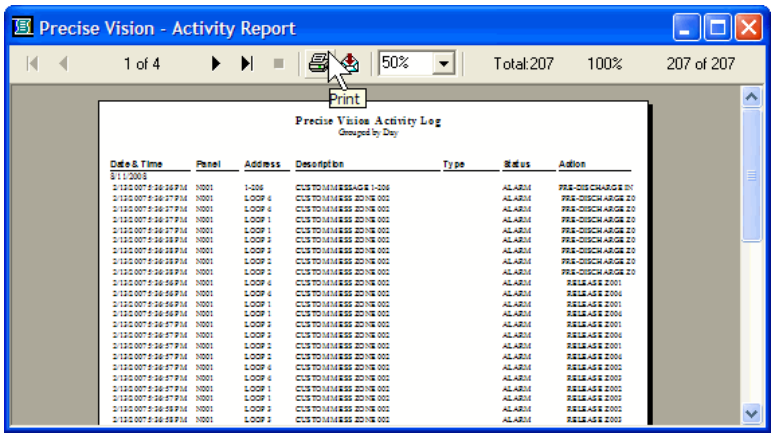
You will see an on-screen version of your report.



Date & Time	Panel	Address	Description	Type	Status	Action
2/12/2007 6:31:10 AM	N001	1-017	CUSTOM MESSAGE 1-017		NORMAL	DEVICE RETURN
2/12/2007 6:31:39 AM	N001	1-209	CUSTOM MESSAGE 1-209		TROUBLE	LINE OPEN TROUBL
2/12/2007 6:32:02 AM	N001	1-209	CUSTOM MESSAGE 1-209		NORMAL	LINE TROUBLE CLE.
2/12/2007 6:32:25 AM	N001	1-210	CUSTOM MESSAGE 1-210		ALARM	SUPERVISORY INPU
2/12/2007 6:32:33 AM	N001	1-210	CUSTOM MESSAGE 1-210		NORMAL	SUPERVISORY CLEA
2/12/2007 6:15:23 AM	N001	0-032	14 BUTTON RDU		TROUBLE	PERIPH #32 MISSING
2/12/2007 6:18:58 AM	N001	0-032	14 BUTTON RDU		NORMAL	PERIPH #32 RETURN
2/12/2007 6:20:48 AM	N001	PANEL	BIG BOSS MAN		TROUBLE	CLASS A TROUBLE G
2/12/2007 6:22:28 AM	N001	1-007	CUSTOM MESSAGE 1-007		TROUBLE	DEVICE MISSING
2/12/2007 6:23:09 AM	N001	1-007	CUSTOM MESSAGE 1-007		NORMAL	DEVICE RETURN
2/12/2007 6:23:38 AM	N001	1-209	CUSTOM MESSAGE 1-209		TROUBLE	LINE OPEN TROUBL
2/12/2007 6:23:39 AM	N001	1-209	CUSTOM MESSAGE 1-209		NORMAL	LINE TROUBLE CLE.
2/12/2007 6:23:39 AM	N001	1-209	CUSTOM MESSAGE 1-209		TROUBLE	LINE OPEN TROUBL
2/12/2007 6:24:10 AM	N001	1-209	CUSTOM MESSAGE 1-209		NORMAL	LINE TROUBLE CLE.
2/12/2007 6:24:23 AM	N001	1-210	CUSTOM MESSAGE 1-210		ALARM	SUPERVISORY INPU
2/12/2007 6:24:31 AM	N001	1-210	CUSTOM MESSAGE 1-210		NORMAL	SUPERVISORY CLEA
2/12/2007 6:28:51 AM	N001	PANEL	BIG BOSS MAN		TROUBLE	CLASS A TROUBLE G
2/12/2007 6:30:09 AM	N001	1-017	CUSTOM MESSAGE 1-017		TROUBLE	DEVICE MISSING
2/12/2007 6:31:10 AM	N001	1-017	CUSTOM MESSAGE 1-017		NORMAL	DEVICE RETURN
2/12/2007 6:31:39 AM	N001	1-209	CUSTOM MESSAGE 1-209		TROUBLE	LINE OPEN TROUBL
2/12/2007 6:32:02 AM	N001	1-209	CUSTOM MESSAGE 1-209		NORMAL	LINE TROUBLE CLE.
2/12/2007 6:32:25 AM	N001	1-210	CUSTOM MESSAGE 1-210		ALARM	SUPERVISORY INPU
2/12/2007 6:32:33 AM	N001	1-210	CUSTOM MESSAGE 1-210		NORMAL	SUPERVISORY CLEA
2/12/2007 6:15:23 AM	N001	0-032	14 BUTTON RDU		TROUBLE	PERIPH #32 MISSING
2/12/2007 6:18:58 AM	N001	0-032	14 BUTTON RDU		NORMAL	PERIPH #32 RETURN

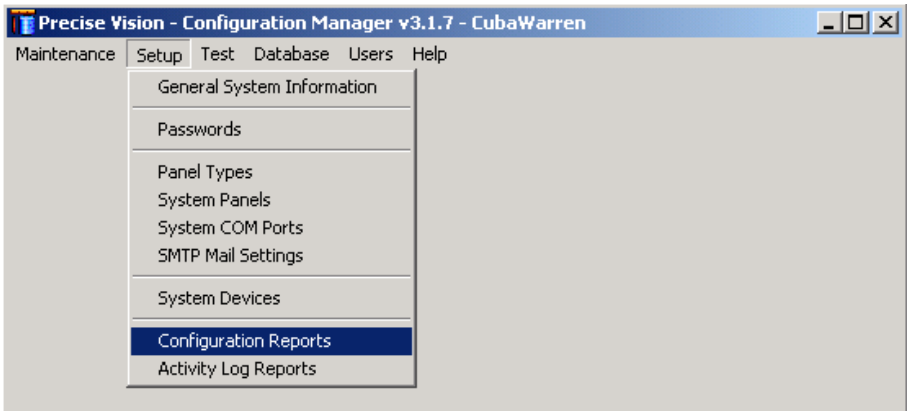
Print, Export, or E-Mail Your Report

Click the "**print**" icon to send your report to your system printer.



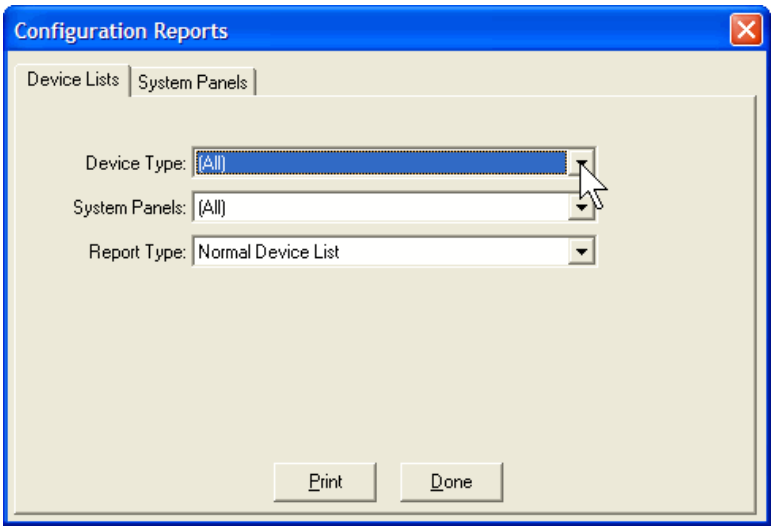
Keep Database Records with Configuration Reports

You can use Configuration Reports to compile and print a list of the devices configured in your database. To create a configuration report, start by opening Configuration Manager. Go to the "**Setup**" drop-down menu and click on "**Configuration Reports**."



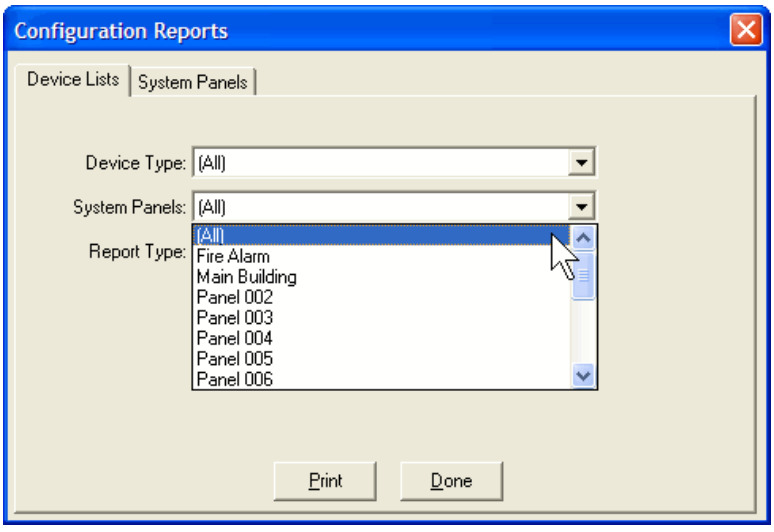
Device Type Reports

When you open Configuration Reports, you will see two tab screens. The first screen, “Device Lists,” will compile information about the devices in your system. You can compile and print several types of “Device List” reports. “Device Type” reports will include information about every type of device in your system, such as panels, heat detectors, and Waterflow switches.



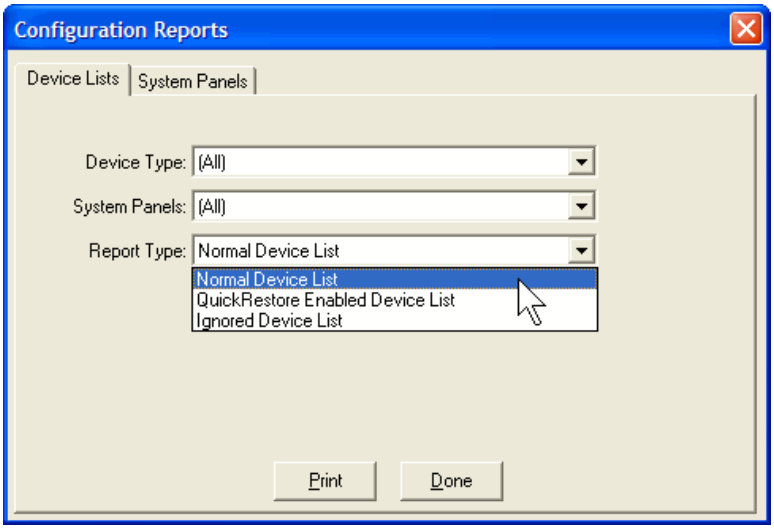
System Panel Reports

“System Panels” reports will include information about all of the panels in your system.



Report Types

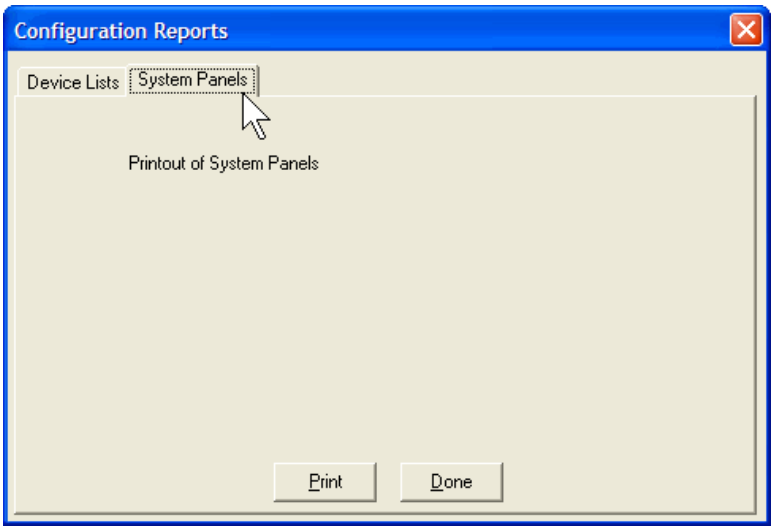
You can use the “Report Type” drop-down menu to determine how extensive your report will be. You can choose to compile a report about all of the devices in your system, any devices in your “QuickRestore” list, and any devices that Precise Vision is programmed to ignore.



Helpful Hint: If you want to customize your reports even further — if, for example, you want to chart data as bar graphs — Precise Vision report files are compatible with Seagate’s Crystal Reports software.

System Panels

To print a list of all the panels in your Precise Vision system, go to the “**System Panels**” tab screen and click “**Print**.”



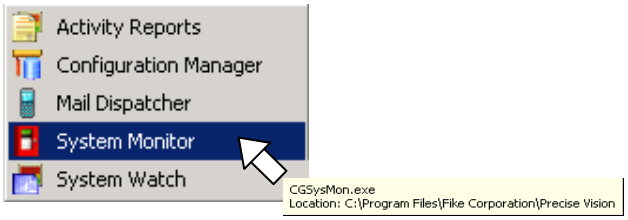
This page intentionally left blank

Appendix A: Activating Precise Vision

In order to add more than ten devices to your Precise Vision system, you will need to activate your copy of the software. Activation is a simple process that you can complete by email.

Activate Your Precise Vision Software

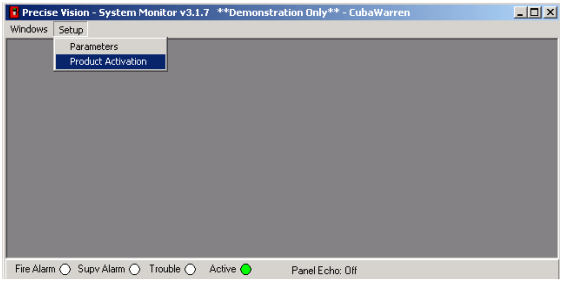
To begin the Precise Vision activation process, o to your "**Start**" menu and open the **System Monitor** program.



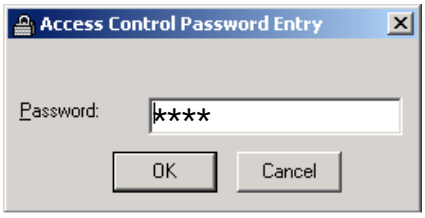
The path above by the cursor shows exactly where the programs are installed in case you wish to have shortcuts to start Precise from your desktop.

When you open System Monitor, you will be reminded that you are working in demonstration mode. Click "**Ok**" on this reminder to continue.

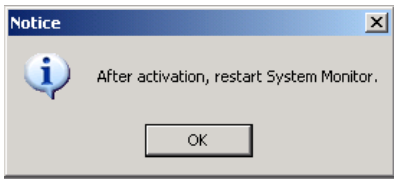
When System Monitor opens, Click on the "**Setup**" drop-down menu and choose "**Product Activation**."



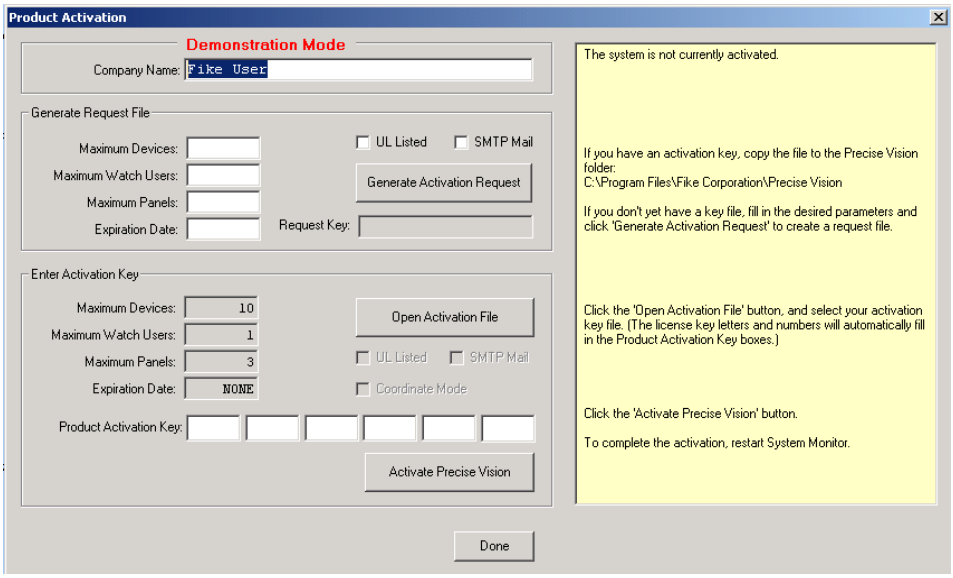
You will be asked to enter your access control password. The default password is **3333**. Enter it and click "**Ok**."



You will see a notice to restart System Monitor after the activation is complete. Click "**Yes**" to proceed.



You will then see a product activation screen. By default the Company Name will display as "Fike User". This must be changed so you must enter your company name exactly as you would like it to appear throughout the Precise Vision system. If this is not changed and left as Fike User, a license will not be issued. When changing this name, you can have spaces, but don't enter any characters or symbols…..only letters, space or numbers.



Also, on this Product Activation screen, in the top portion in the "Generate Request File" area you must enter the number of devices you need licensed on your system, and your purchase order includes….as well as Number of Watch Users and number of fire control panels that will be connected to Precise.

Maximum Devices = Number of devices you are licensing the software to display on your system. Any device that exceeds this total number on your system will generate a trouble in Precise. So if you have 568 devices on your system to display on Precise, the number here and number on your Purchase order must be at LEAST this many points.

Helpful Hint: If you are unsure of the number of devices on your system, Chapter 6 shows how to see how many total devices are in your configuration. In addition to normal addressable devices, if you want to show individual troubles from the control panel, or you have VESDAs on your system, see last page of this section for list of those items that count as devices for your license.

Maximum Watch Users = Total number of remote computer users that could be accessing the main licensed computer at any one given time.

Maximum Panels = Total number of Fire Alarm Control Panels (IE: CyberCat or Cheetah Xi) that will connected to Precise computer. This can be independent wiring from each panel, or if CyberCats or Cheetah Xis are networked together, only one physical connection is required from any panel.

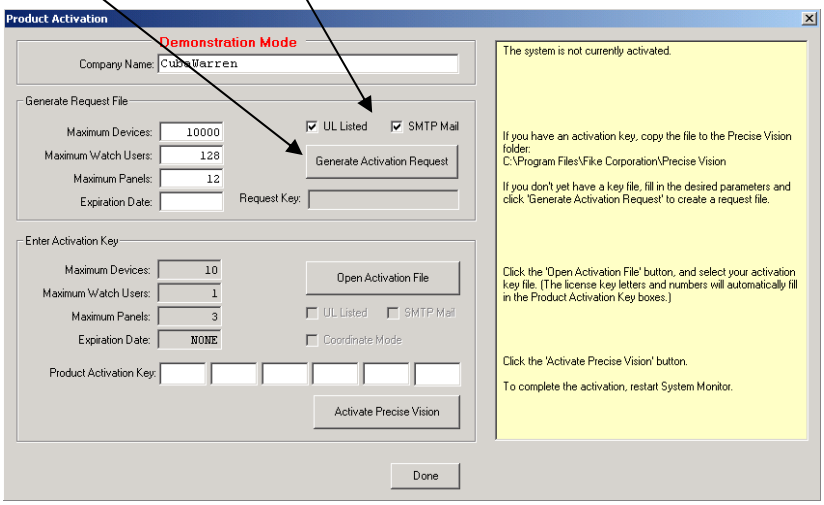
Expiration Date = Leave this blank. There is no expiration of a purchased license for Precise Vision.

Helpful Hint: Make sure to include points for panel troubles like Battery Trouble, Low AC power, etc…..and additional points for any VESDAS connected to your system through the HLI as each VESDA does not count as 1 device like other spot type detectors.

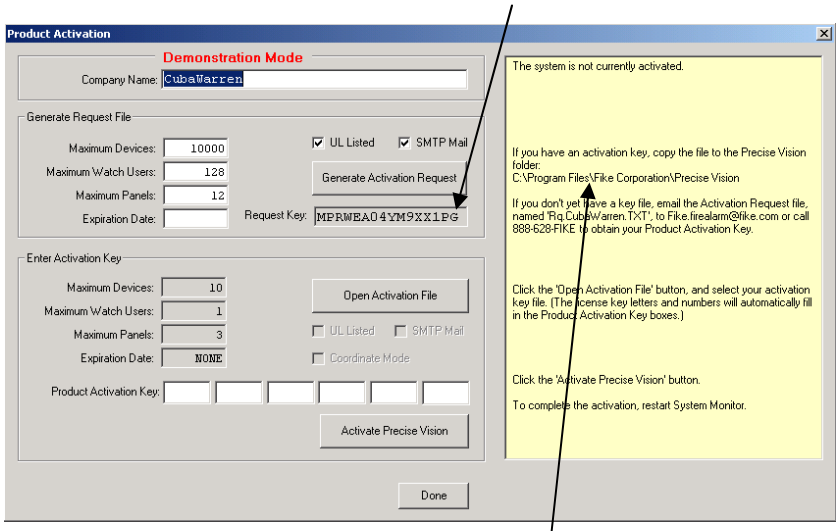
Also pay attention to the two “check boxes” just above the Generate Activation Request button. If you are purchasing the UL listed “Command and Control” version of the software, you must check the UL Listed box. If you are requiring the system to interact with mail servers and e-mail messages automatically, you must check the SMTP Mail checkbox.

Once you have changed the Company Name and entered the information required for your license:

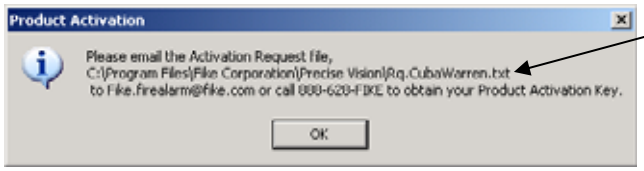
Click the “**Generate Activation Request**” button.



The screen will generate and fill in an Activation Request number based on your information entered.



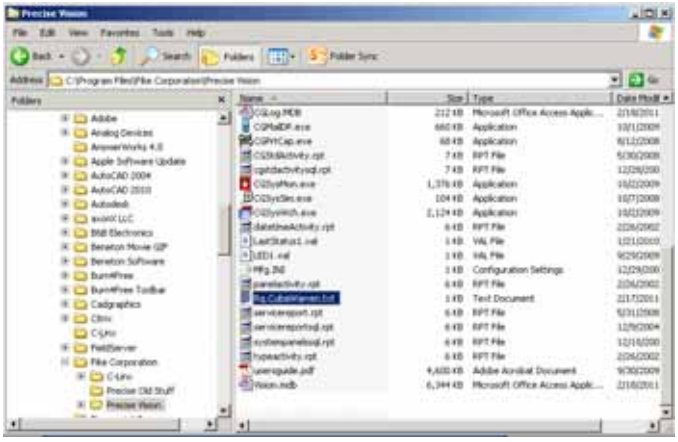
You will be prompted to e-mail the request file generated to Fike in order to get your Activation Key. It saves this request as a text file that can simply be attached to an e-mail. It points you to where that text file was saved



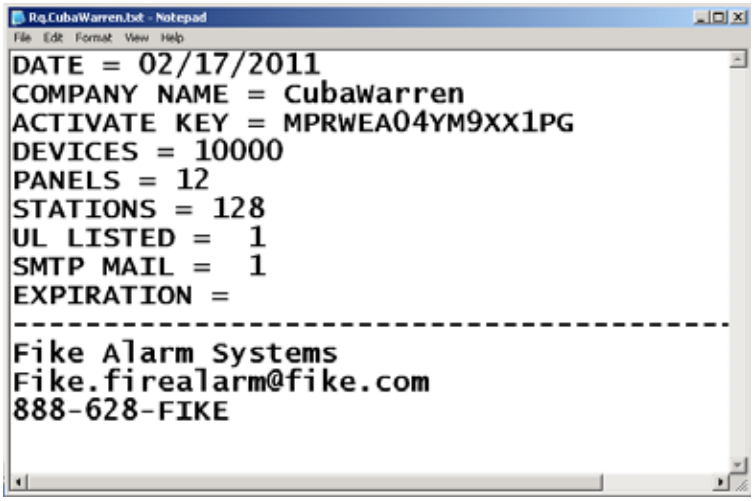
Helpful Hint: Make sure to include points for panel troubles like Battery Trouble, Low AC power, etc…..and additional points for any VESDAS connected to your system through the HLI as each VESDA does not count as one device like other spot type detectors

Click "**Ok,**" and then find your activation text file in the Precise Vision folder on your computer at:

C:\Program Files\Fike Corporation\Precise Vision



The software generated an activation request file — a text file called Rq.*Company Name*.txt. The text file will be in the Precise Vision folder on your hard drive. At this point, you will not need to look at it. If you choose to open it, however, the text file will look something like this:

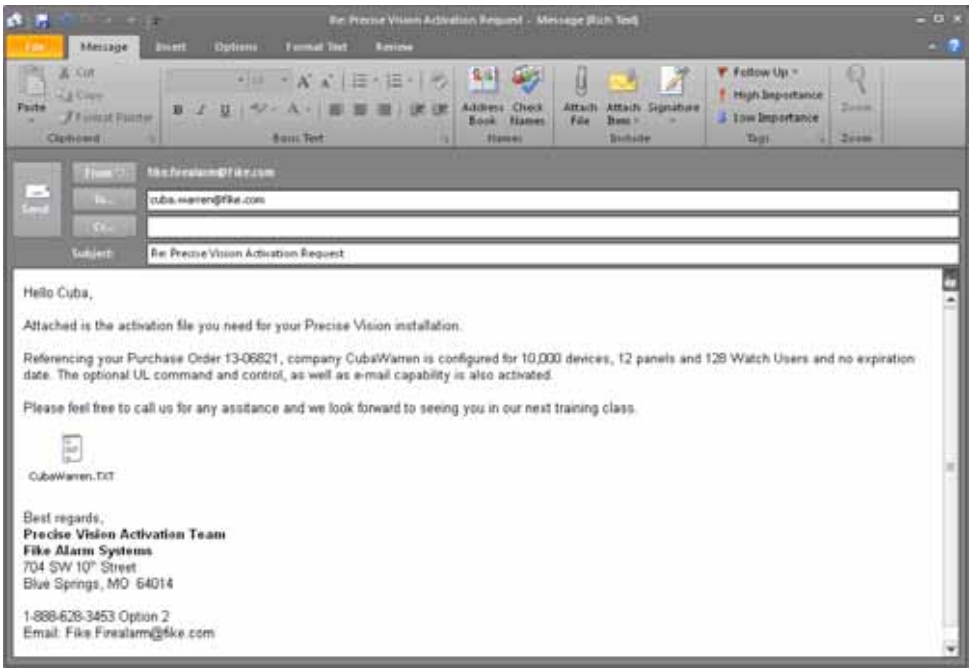


This request file contains all the information needed to complete the transaction and generate the license approval key to return to you for your system. This is the file that needs to be mailed to Fike.

Next, compose an e-mail to ***Fike.firealarm@fike.com***, and attach the activation text file. Include the number of devices you plan to monitor, the number of users, the number of panels, and whether or not your Precise Vision system will use the UL Command and Control function, and if the system will utilize the e-mail notification option. Please include your phone number with the e-mail in case we have any questions or concerns about what was requested to keep you from paying for options you may or may not want.

Helpful Hint: Precise Vision software is configured to suit the size of each facility, the type of alarm panels on each site, and the number of people who will use the Precise Vision system. If you would like help to determine which Precise Vision package is right for you, call us toll-free at (888) 628-FIKE (3453) or e-mail **Fike.firealarm@fike.com**.

By return e-mail from Fike, you will get a text file customized with the name of your company. In the case of our example, the Company Name on the request was CubaWarren. The Request file generated and attached to the e-mail with the request for license key was “Rq.CubaWarren.TXT” so the file with the approval license key returned for that project would be named “CubaWarren.TXT.”



You can *right-click* on the attached file and **SAVE** the new text file to your Precise Vision folder.

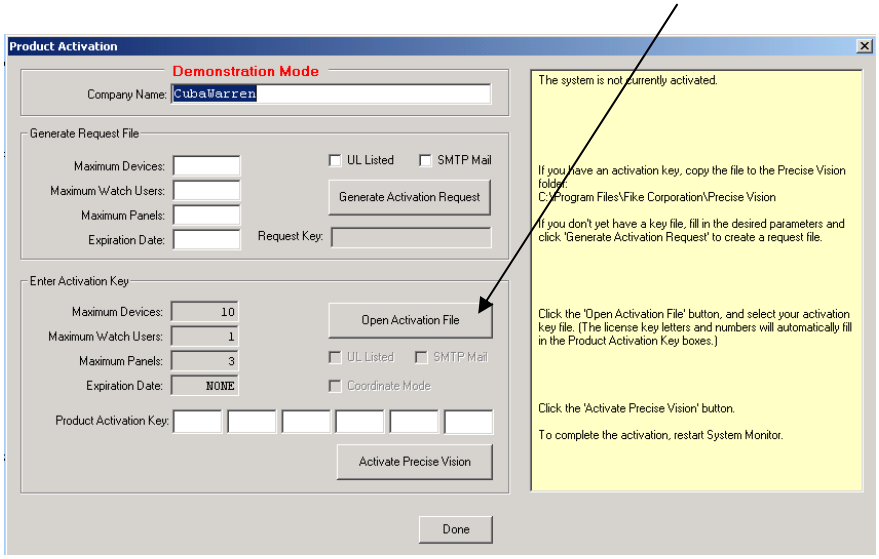
You could also open that text file and go to File…..Save As and save it to your Precise Vision Folder also.

You don’t have to, but if you open that text file, it would look something like this.

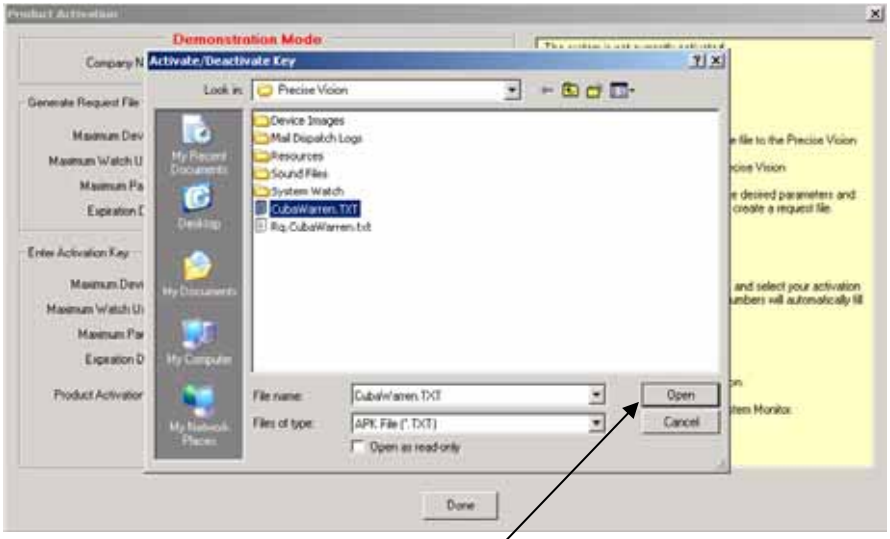
Once you have it saved in a location, like the Precise Vision folder, you can proceed to activate your software.

Helpful Hint: We suggest you save this activation file in the C:\Program Files\Fike Corporation\Precise Vision folder with the other files for Precise so you will know where it is located in the future. If a different user logs onto the same computer, the system will come up in Demo Mode again….but just re-open System Monitor and point to the same file for activation with the new user login.

Return to the “Product Activation” window in System Monitor. Click on “**Open Activation File**.”

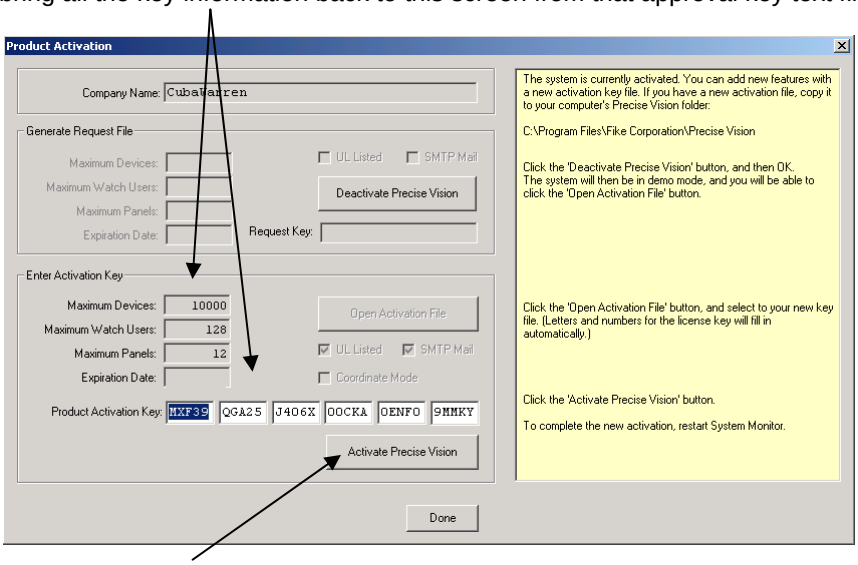


The “Product Activation” window will open. Find and select the file with your Company Name.



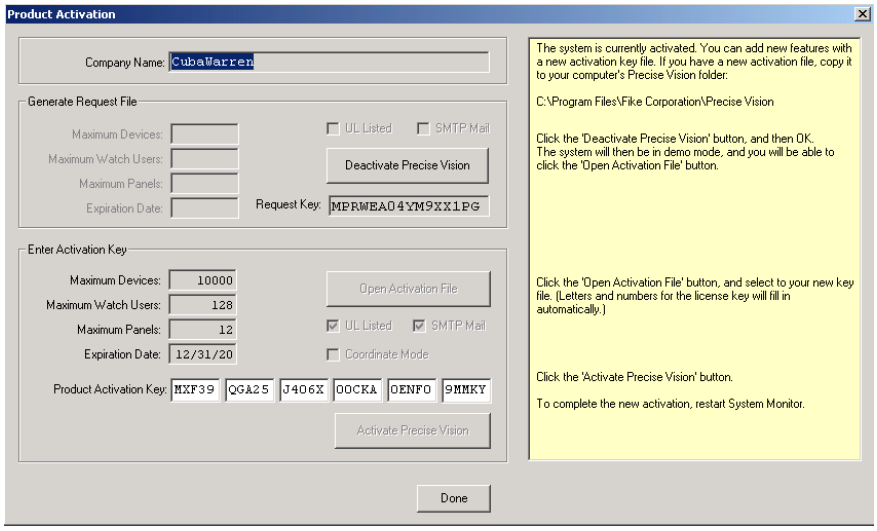
With the approval key text file selected above, click on **Open**.

It will automatically bring all the key information back to this screen from that approval key text file



Then Click on the “Activate Precise Vision” button. You will see the following message indicating that you have successfully activated Precise Vision, and System Monitor will have to be closed and re-opened for that license to take effect. Read it and click “**Ok**.”

Now you will see that Precise Vision has been completely activated. The program is not running in demo mode anymore. Your company name is filled in, your key codes are complete, and your software is programmed for a maximum number of devices, users, and panels.



Helpful Hint: Each activation key will work only on one hard drive. The activation request code that you generate is based on your computer’s serial number and the company name you enter in the database….but you can re-select that activation key for each different user that logs onto the system.

Device Count for Precise License

In addition to all addressable devices on your system that you wish to display in Precise, the following list of items also count as devices in the system so you can lay them on a background. Count each that are applicable that you wish to display on your system as an extra point toward your **"Maximum Devices"** count on the license request screen.

You do NOT have to display all these in Precise, but if you do, they count as a "Device."

CyberCat / Cheetah Xi

- Ground Fault
- Main Comm Failure
- Auxiliary Comm Failure
- Main Firmware Incompatible
- Auxiliary Firmware Incompatible
- Main AC Power Trouble
- Main Battery Trouble
- Main Auxiliary Output Trouble
- Supplemental AC Power Trouble
- Supplemental Battery Trouble
- Supplemental Fan Trouble
- Network No Response
- Network Class A Trouble
- Network Wiring Trouble
- Network Panel Missing
- SLC Line Short Trouble (Each Loop)
- SLC Class A Trouble (Each Loop)
- NAC 1 Trouble
- NAC 1 Disabled
- NAC 2 Trouble
- NAC 2 Disabled
- Remote Display Trouble (1 per peripheral address)
- Graphic Annunciator Trouble (1 per address)
- Multi-Interface Trouble (1 per MIM Module)
- Ethernet Port Trouble
- Smoke Control Graphic (1 per graphic micro)
- Smoke Control 6 Zone Switch Card (1 per address)
- 20 LED Annunciator (1 per address)
- I/O Switch Card (1 per address

VESDA

- VESDA Alert (1 per VESDA)
- VESDA Action(1 per VESDA)
- VESDA Fire 1 (1 per VESDA)
- VESDA Fire 2 (1 per VESDA)
- VESDA Trouble (1 per VESDA)
- VESDA Fault – Major (1 per VESDA)
- VESDA Fault – Minor (1 per VESDA)
- VESDA Fault – Isolate (1 per VESDA)
- VESDA Fault – Power (1 per VESDA)
- VESDA Fault – Network (1 per VESDA)
- VESDA Fault – Airflow (1 per VESDA)
- VESDA Fault – Filter (1 per VESDA)

- VESDA Scanner Sector Fire 1 (1 per pipe used)
- VESDA Scanner Sector Fire 2 (1 per pipe used)
- VESDA Scanner Sector Action (1 per pipe used)
- VESDA Scanner Sector Alert (1 per pipe used)

Appendix B: Creating Backgrounds

Creating the view that you want on site for user interface is probably the key component and use of Precise Vision. You want to be able to see where a device is located in your facility when it creates an event. Therefore, you need to create the backgrounds of floor plans, etc. that those devices will be displayed on.

Precise Vision is created to make building the configuration as easy as possible using tools and information you already have at your disposal. Chapter 6 describes how to import the devices into Precise directly from C-Linx where you have already built your panel configuration. Same idea is used for getting the backgrounds you need into Precise using construction drawings you already have.

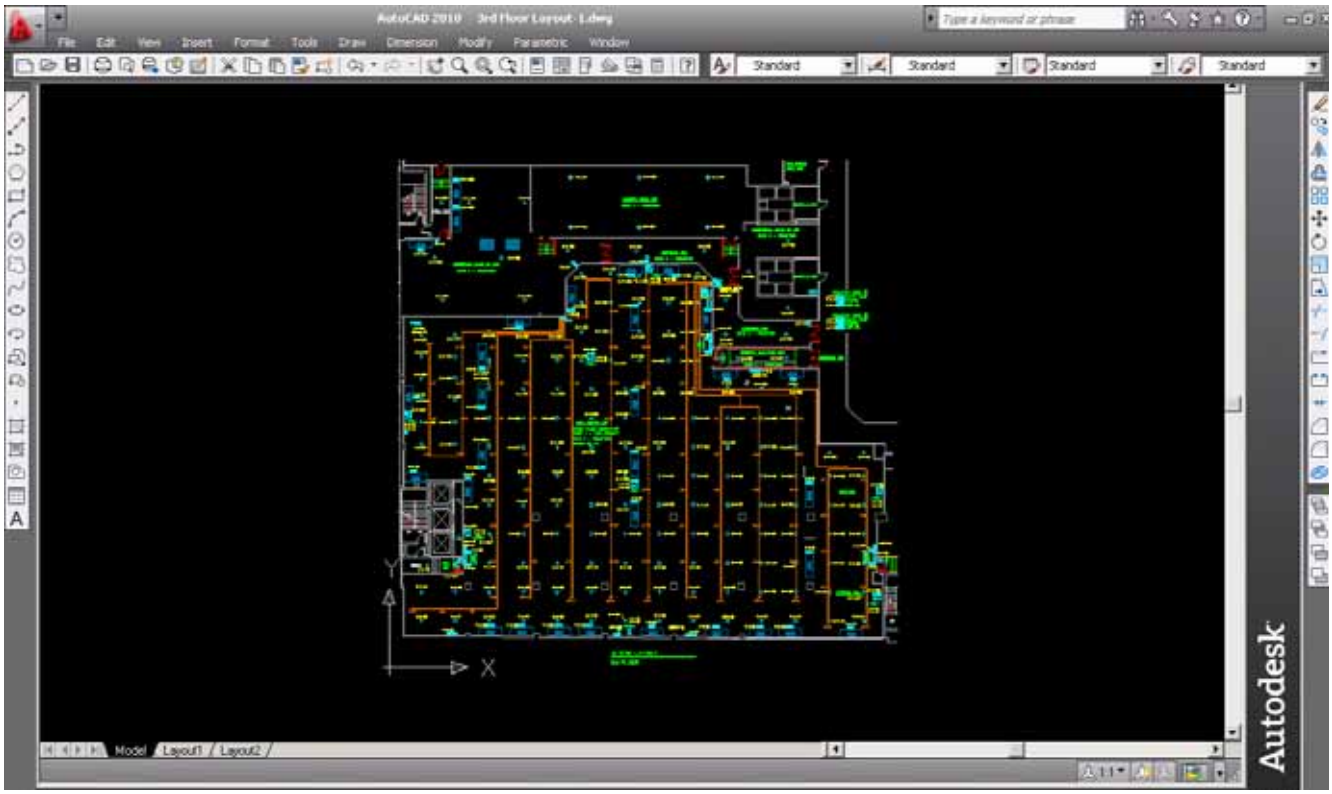
Using Existing Autocad Files for Backgrounds

Usually installations are based on drawings showing where the devices will be installed in the facility. If so, you can use those floor plan drawings imported into Precise. There is no need to create new ones as those drawings probably already exist. If you have Autocad drawings for this purpose, this Appendix will show the basics on using those Autocad drawings for the Precise Vision display. It can NOT show all functions of Autocad software, so hopefully you have some familiarity with that program, or have someone that works with Autocad that can help you.

If you have the Autocad installation drawings, you first need the one that shows the fire alarm system component locations, with addresses. Since you will be placing each device in your fire alarm system onto the screen view, you must know where each device address is located.

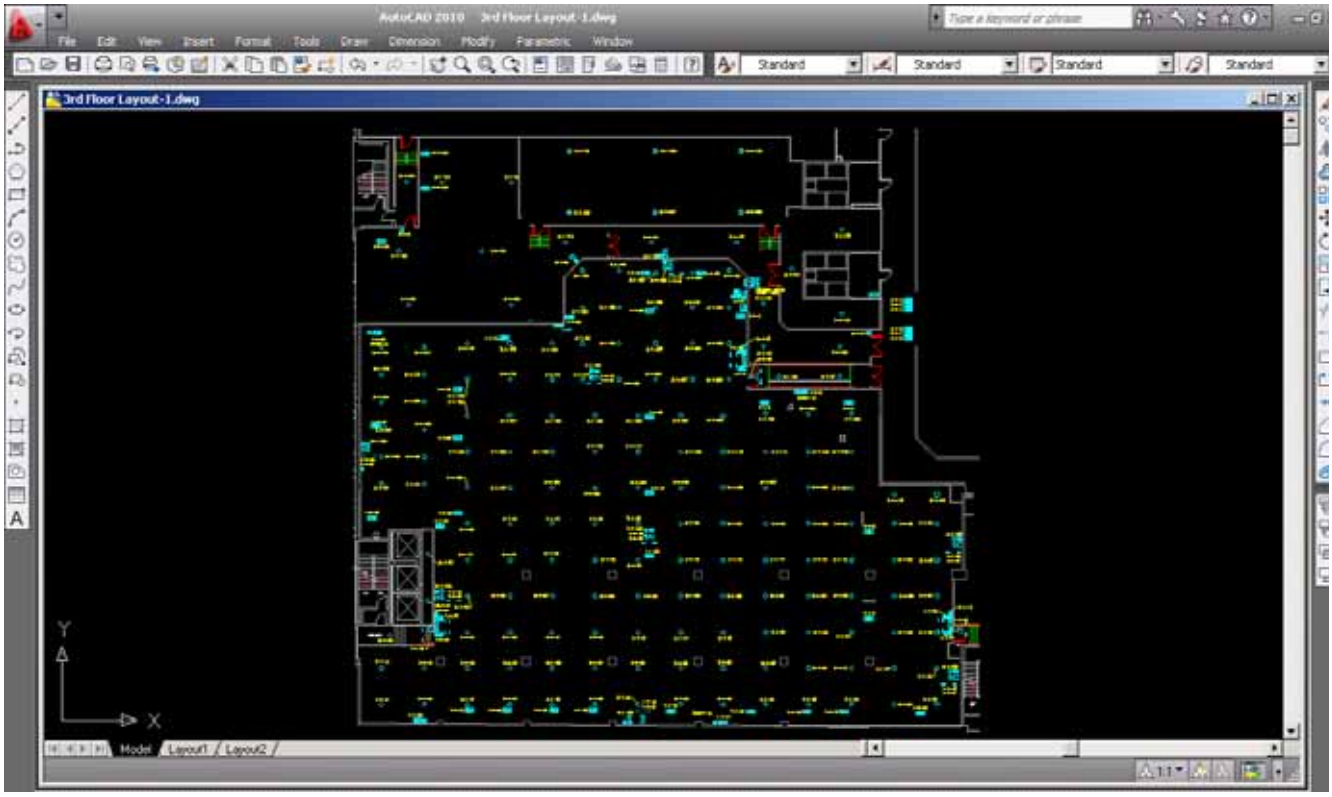
Open the Autocad file showing the floor plan **WITH** the device locations shown.

Open the Autocad drawing in Autocad software. It may look similar to this:



In addition to the information you need from this drawing, like the wall shapes, room locations and device locations, there is usually a lot of stuff that you don't need for the Precise view. So whether you can turn off layers or delete individual components, you want to get the Autocad drawing down to a clean room with what you actually want showing on the background being created, as well as leaving the devices with addresses on here to know where to place them. We will remove them from this drawing later.

So with parts of the drawing above removed or layers turned off, the drawing more resembles this:



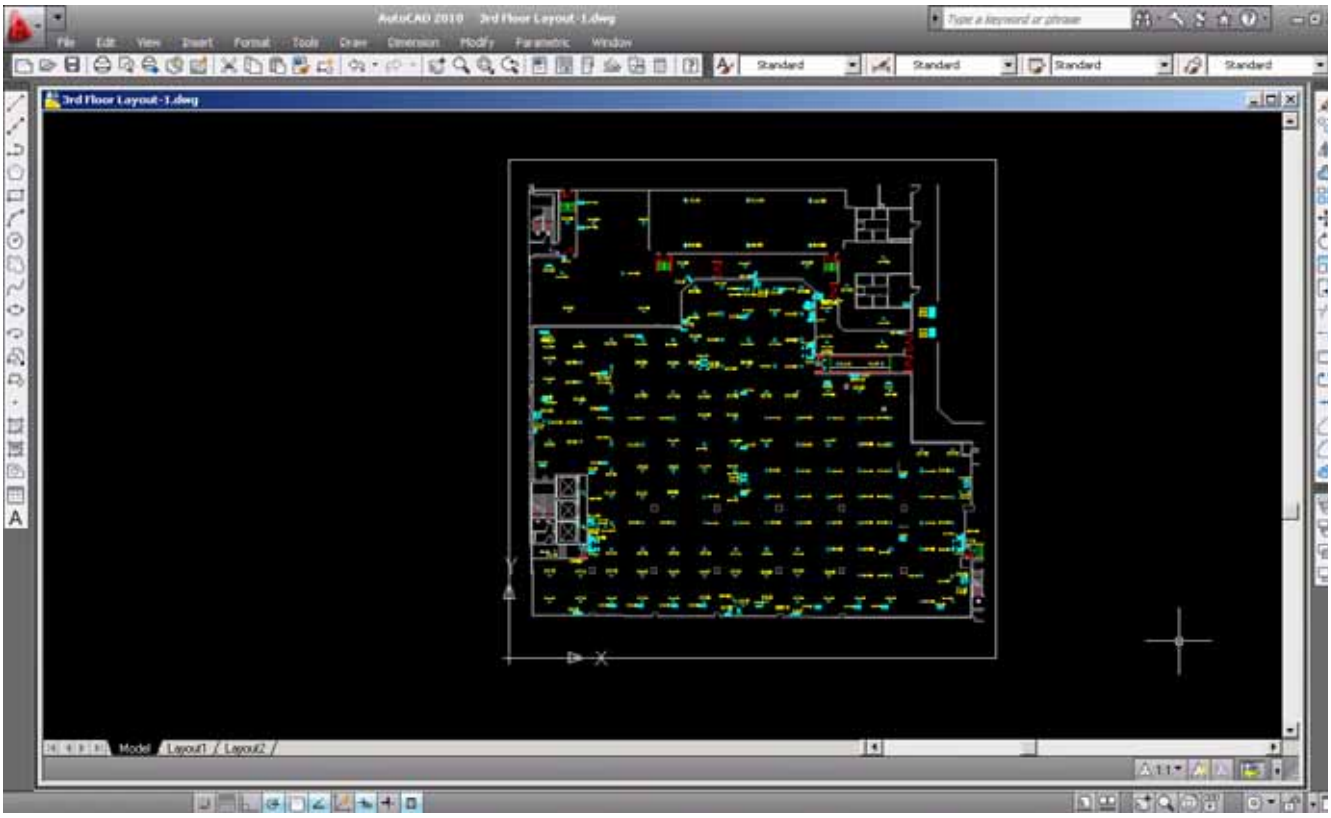
The floor plan now clearly shows, and all devices are still showing along with the address of each one.

Although the Autocad file is what we are working with, Precise Vision can't use Autocad drawings directly. The entire configuration being built will eventually reside totally within the Vision.mdb database. This database is a Microsoft Database, so Autocad drawings cannot be stored in a Microsoft database, so we have to convert these into some type of file that Microsoft can use. That would be a WMF type file (Windows Metafile), which is like a picture file. So we will export this drawing to become a wmf file.

When the Autocad file is exported to wmf format, it will export EVERYTHING within the Autocad window. This confuses some Autocad users as they are accustomed to working with Extents, or limited coordinates within the drawing, like printing. But exporting to wmf is different. You need to set up the view of the Autocad window to reflect what you want the resulting wmf file to look like. Then later, you will be coming back into this Autocad file to remove the devices and addresses. Therefore, you need to know that what the Autocad window shows each time is the exact same area so the resulting wmf file drawing will not shift in Precise after you have the devices placed where they belong.

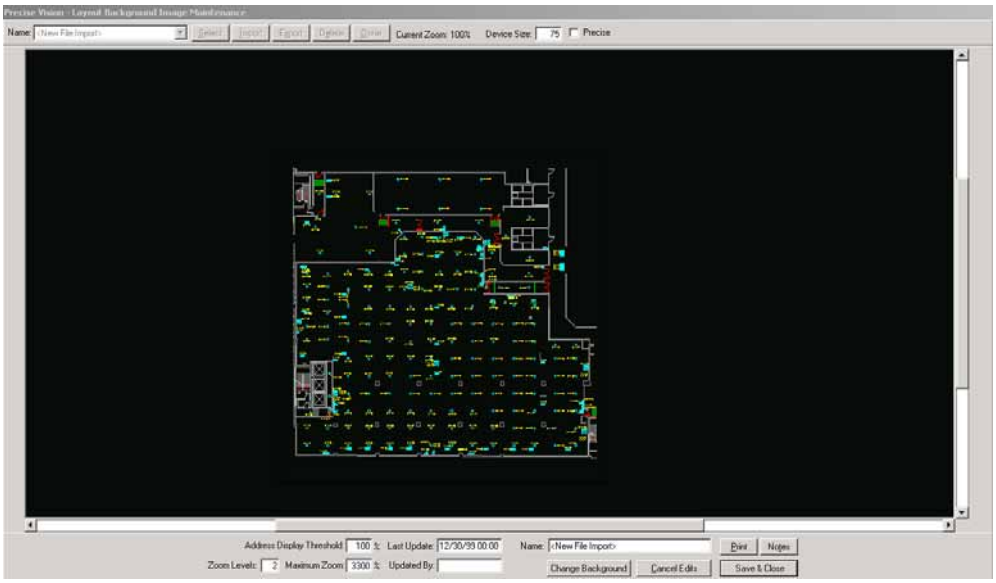
So one great trick is to figure out how much of the view within the window above that you want the wmf drawing to show. Then so you can get it the same every time, we find it MOST helpful to draw a white box around the area within Autocad that you want to show.

So taking the drawing above, I place a box around the area to show. That looks something like this.

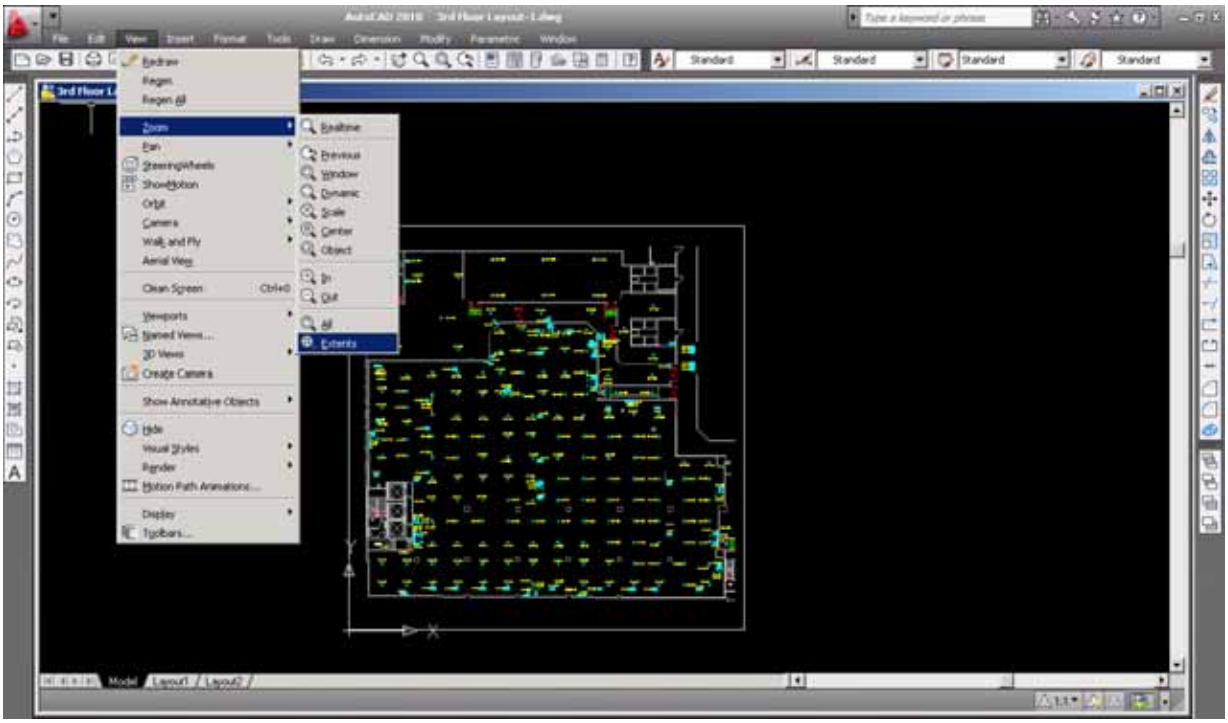


So the view within the white outline box shows exactly what the floor plan will look like when imported into Precise, and if we repeat the steps outlined below this, then the same area will be exported every time.

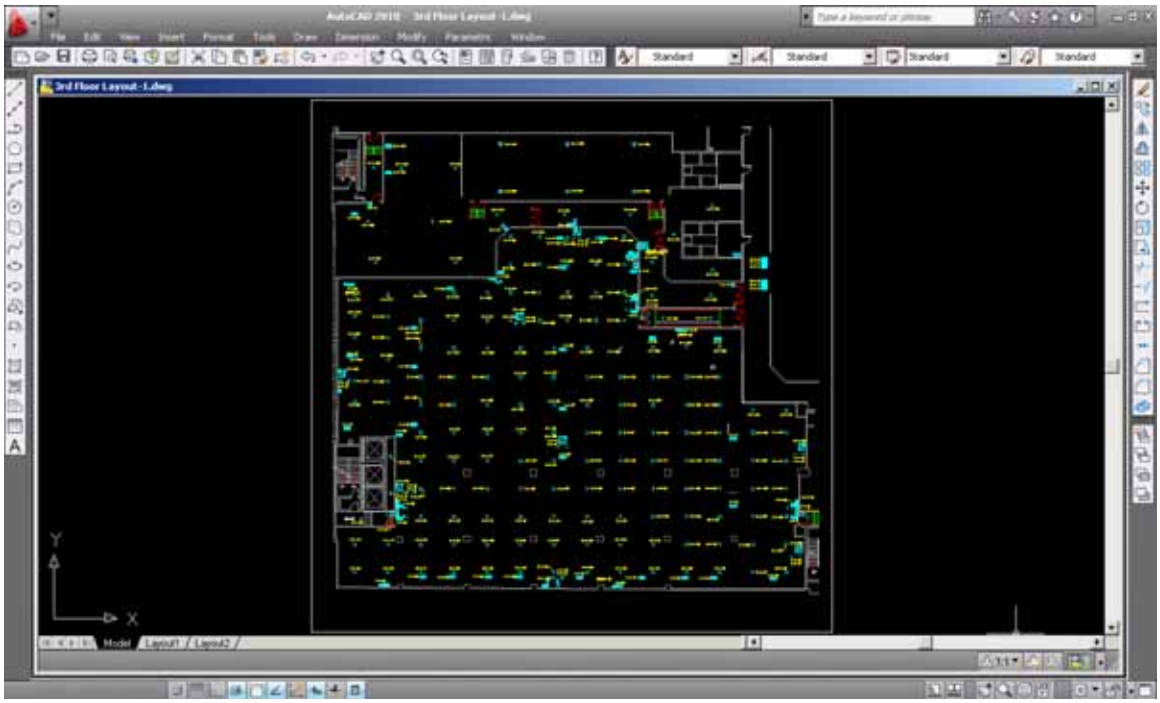
To show why this is being done, we stated that everything with the Autocad window open above would be exported to a wmf file. So comparing to the Autocad window above, by exporting it as it looks there, the background in Precise will end up looking like this:



You should now see that when we state EVERYTHING within the Autocad window will export to the wmf file, it includes all the black area around whatever size drawing you are viewing. We want to limit it to only the area of choice, so we drew that box around it. So back in Autocad with the same drawing, go up to **View----Choose Zoom----then Extents**.

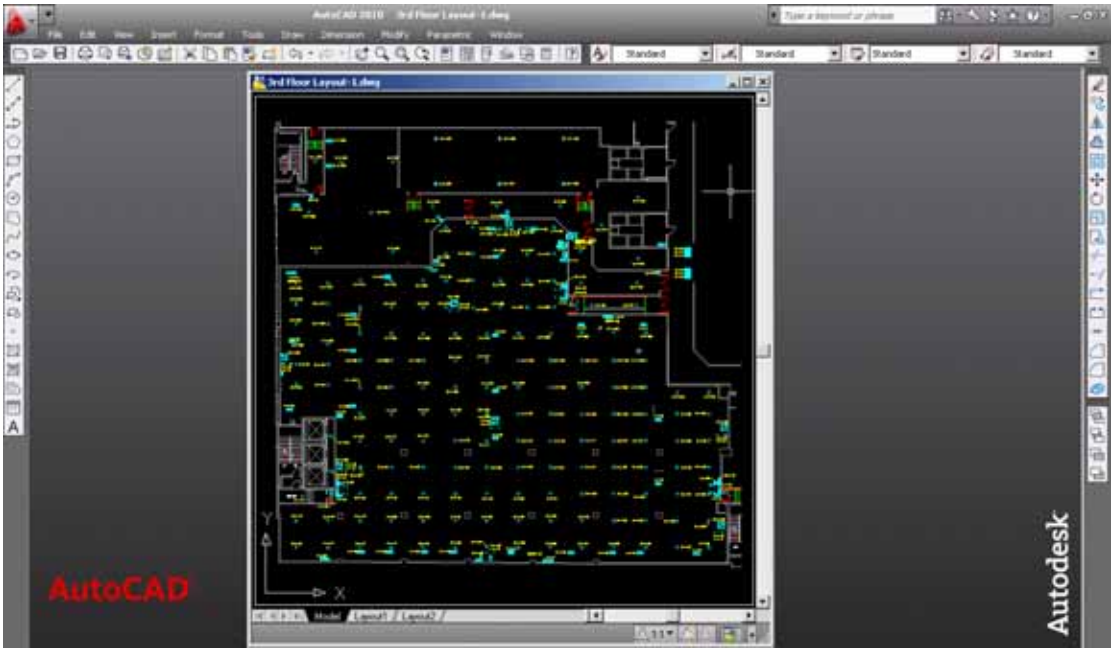


And the drawing viewed will expand to fill as much of the Autocad window as it can without changing the dimensions. So it will fill up the screen all the way to top and bottom, or all the way from left to right, depending on the scale of the drawing being used…..and this drawing then will look like this.

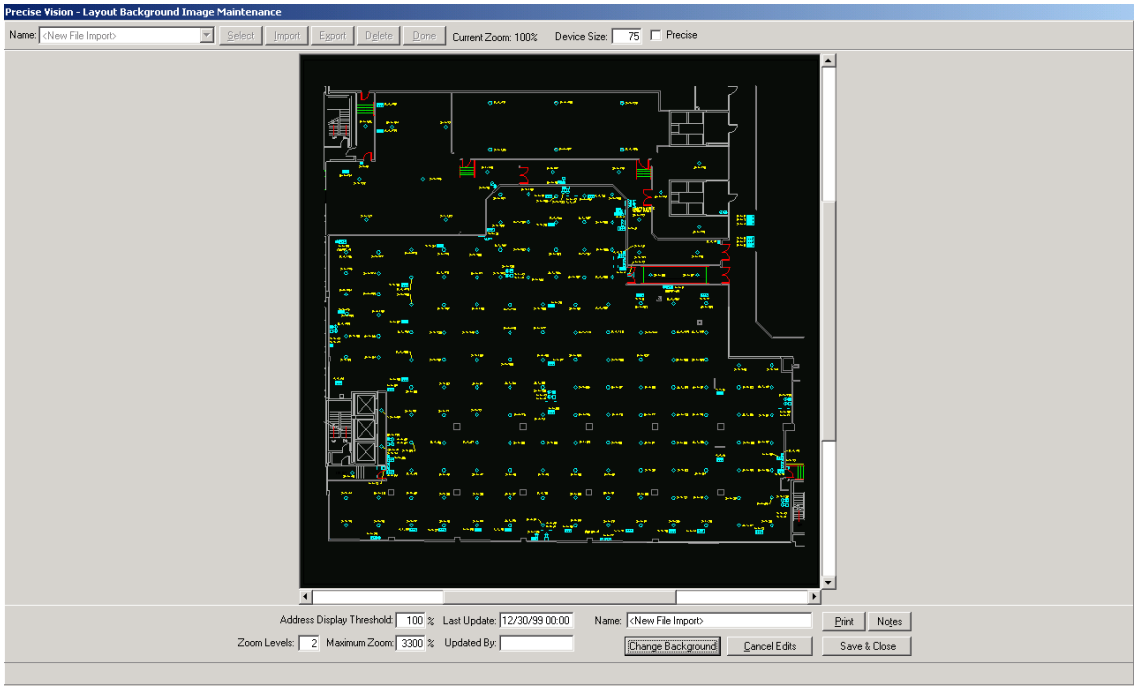


If the box we drew around the area we want to be included is the largest “Extent” on the drawing, the top and bottom or left and right lines will fill the screen. If we export the above drawing now, it’s closer to what we want, but would still show all the black area on the left and right of the window. So we want to make sure the drawing window itself is NOT maximized when doing the View-----Zoom-----Extents so we can do the next step.

To eliminate the black area on each side here from being exported, we will resize the window to become narrower, in this example, and narrow to the point of the line on each side that we drew as part of that white box. If the window is narrowed to meet the box, the resulting view looks like this

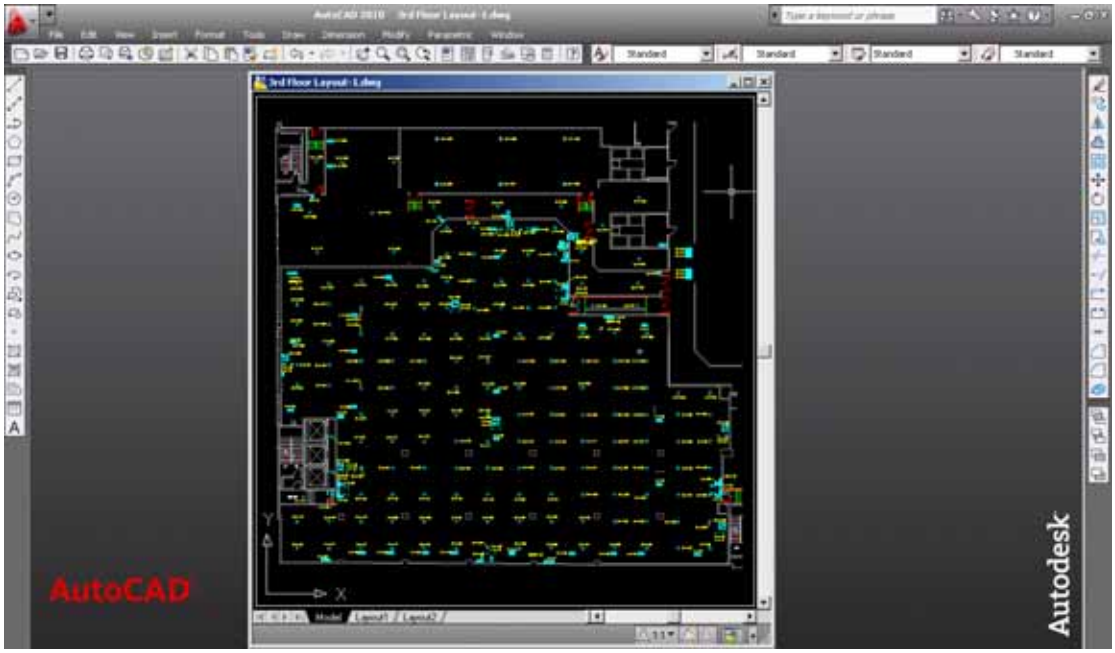


To show the difference, the picture below will now show ultimately how this view will end up looking in Precise.

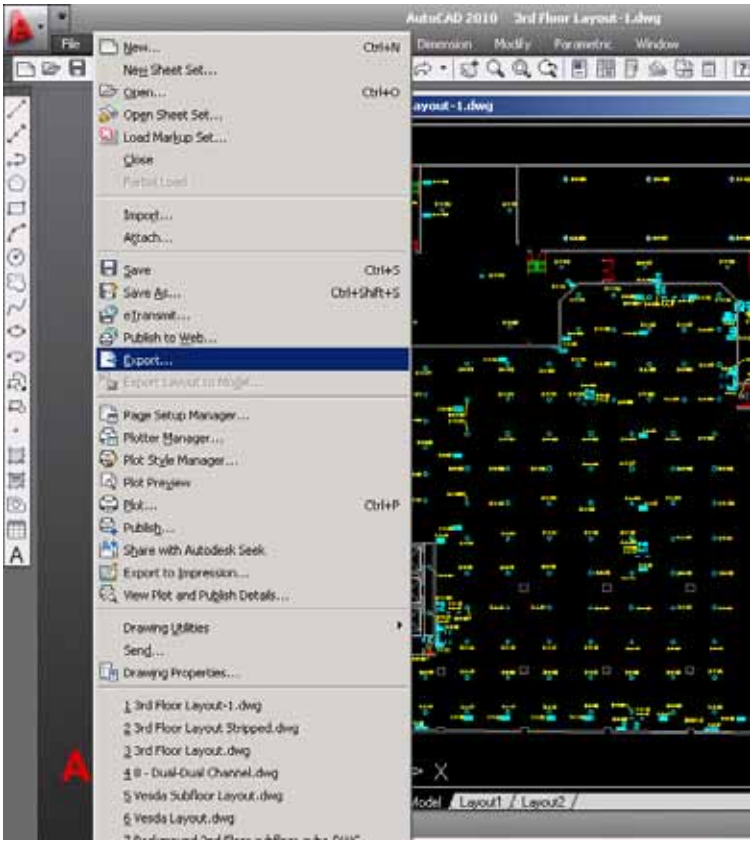


If you compare this to the resulting export file shown earlier, you can understand the need to resize the Autocad window to eliminate the extra space when exported..

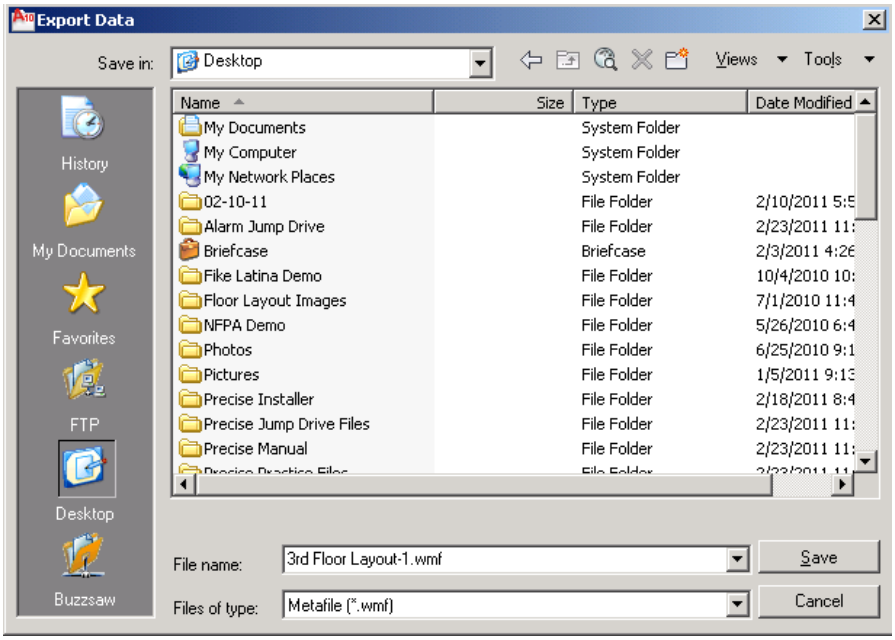
So with the Autocad drawing that includes the device location and addresses now resulting in the view we had below with no extra space showing in the window like this



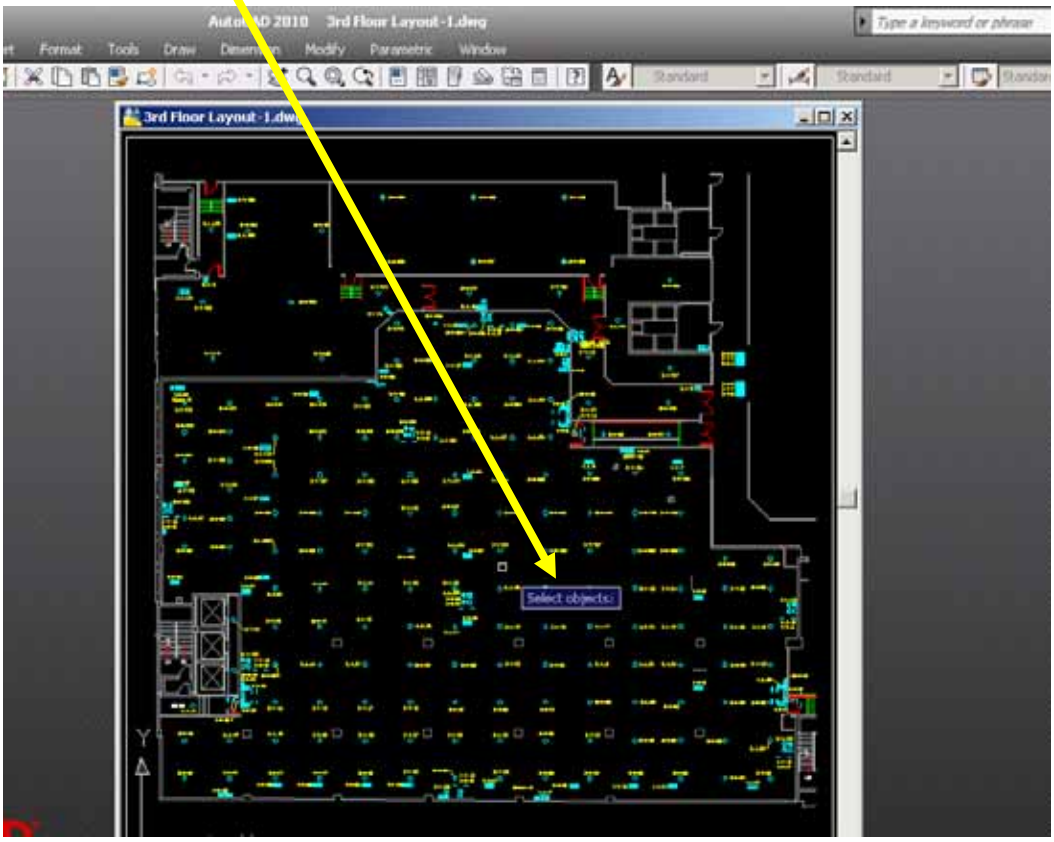
You are ready to create your wmf file. To do this, go up to **File-----Export**



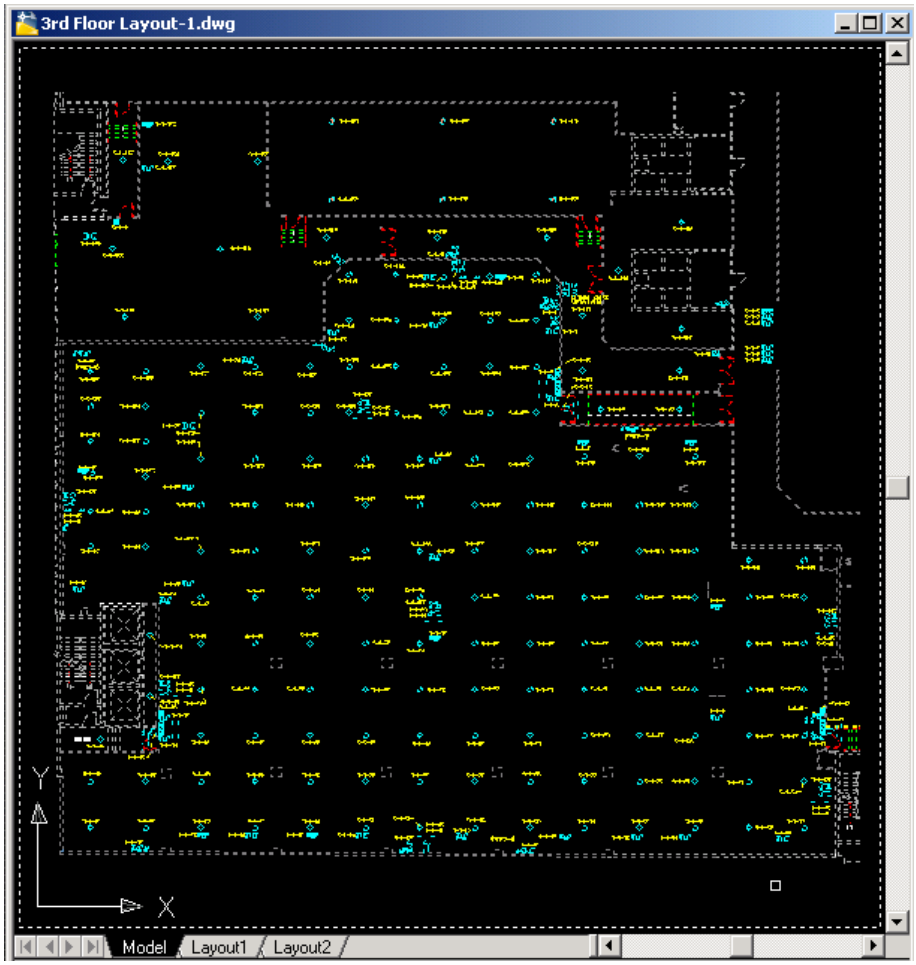
Since it is creating a new file, it prompts you to know where to save the new file. (It is helpful if you save it in your Precise Vision folder so you know where to find it for this project).



When you select a filename and location, click **SAVE.**. Then Autocad will prompt you to tell it what is being exported by a small box saying Select Objects..



Type in ALL and hit the return or **enter** key. The lines in the Autocad drawing will change to indicate what has been selected, which is everything within your window.



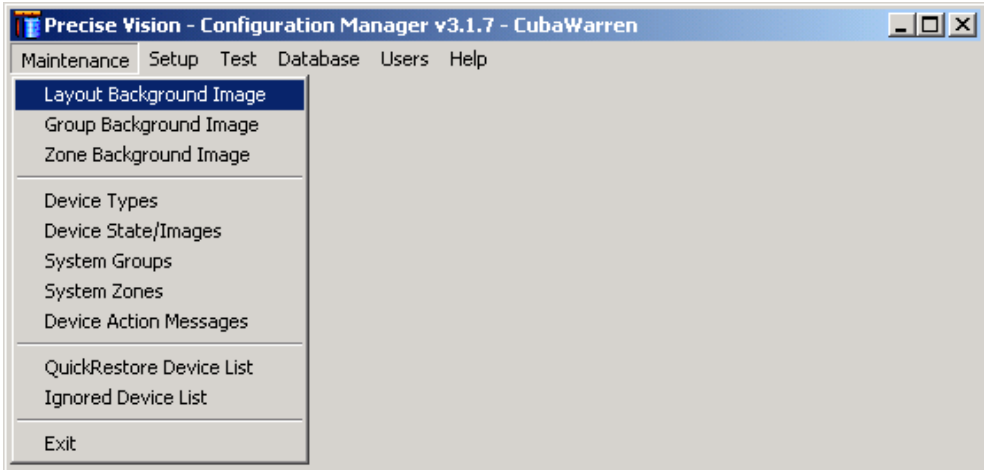
So with everything selected, you have to **hit Return or Enter** again for the actual export to begin. This step is often forgotten and no wmf file will be created. So don't forget the steps.

1. **Box around area of drawing you want shown in Precise.**
2. **Go to File----Export**
3. **Choose location to save the new file created…click SAVE**
4. **Autocad asks to Select Objects…..so type ALL then hit return**
5. **Hit return AGAIN to export file.**

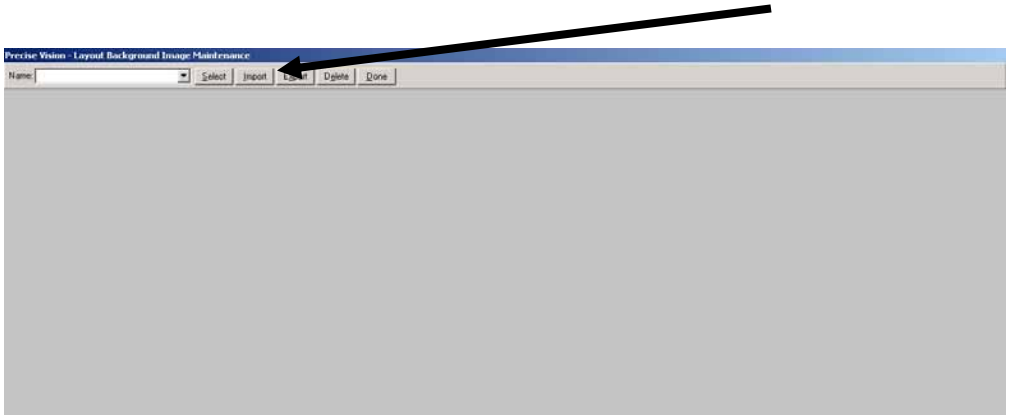
You don't need to, but if you opened the wmf file you just created, it would look like this.

Importing the WMF file into Precise Vision

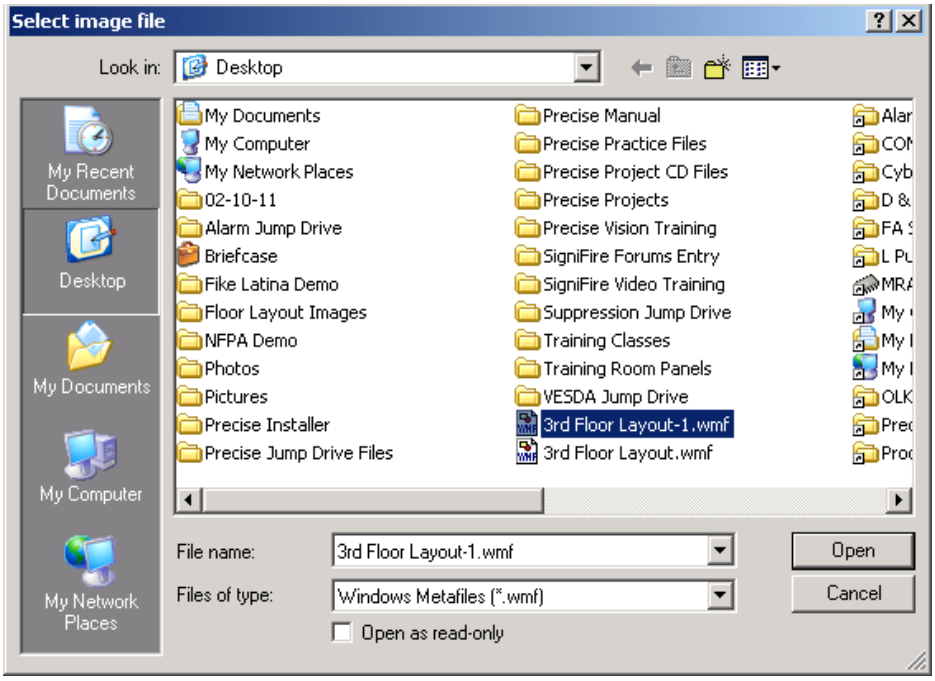
Now all that is left to do is to get this drawing into Precise Vision. To do this simple step, open Configuration Manager, and go up to **Maintenance** and choose **Layout Background Image**



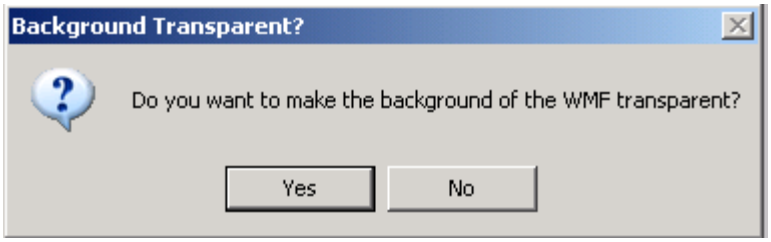
And when the Layout Background Image Maintenance screen opens, click on **Import**



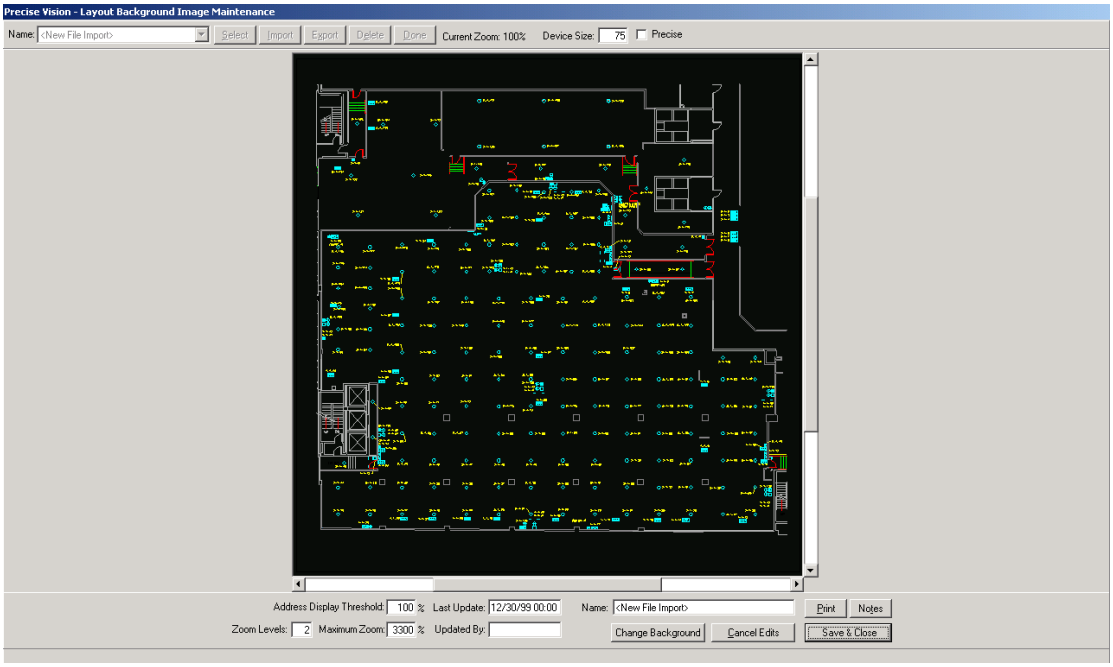
And locate the file you created, and click **OPEN**



And a splash screen will appear asking if want to make the background transparent. Unless you are VERY experienced with creating wmf files, we suggest you answer **YES** to this Some backgrounds in drawing files can be very confusing.



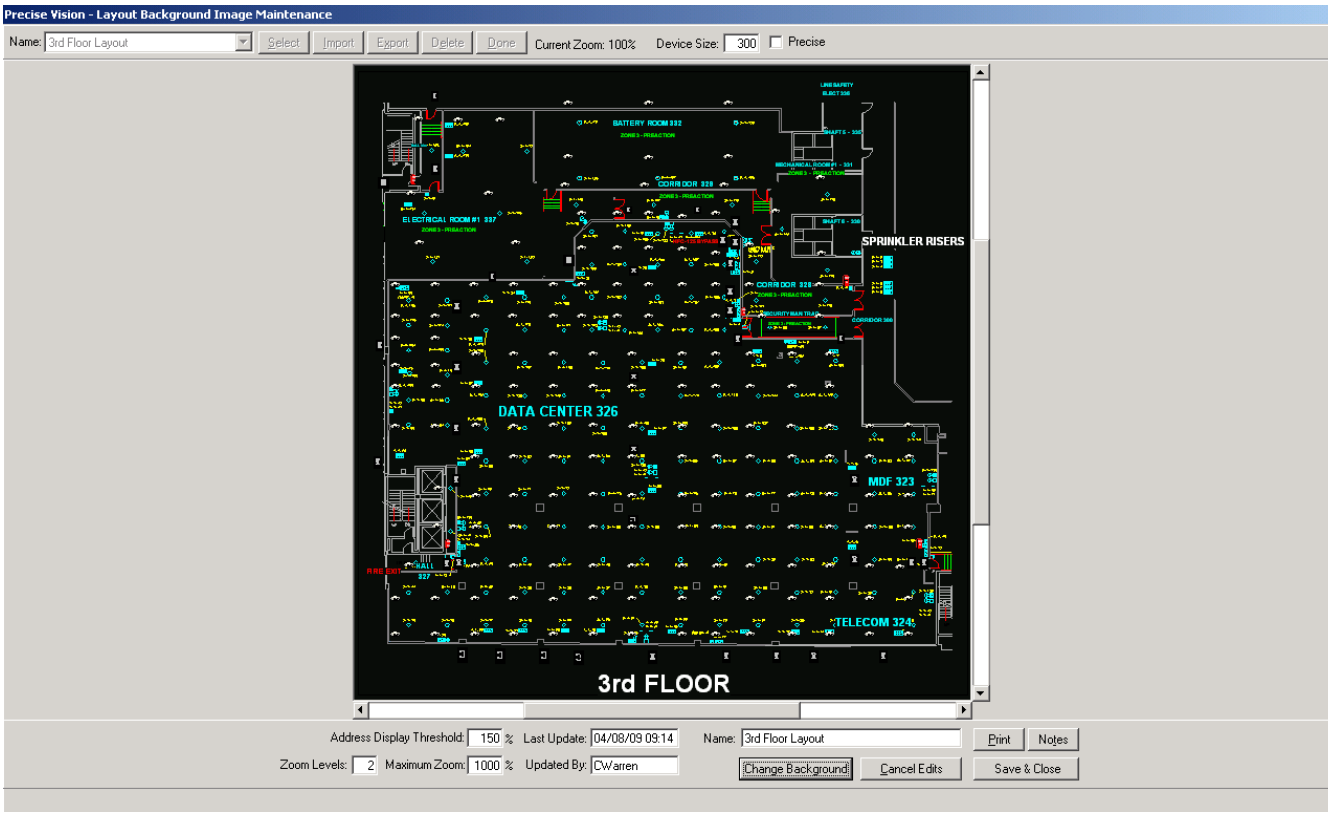
Your new floor plan / background is now in Precise and ready to place devices on.



Chapter 6 goes through all the details on how to add devices to your system, and how to then place those devices onto this background. When devices are placed on this background, then proceed to next page to change the background to what will be the end view on site.

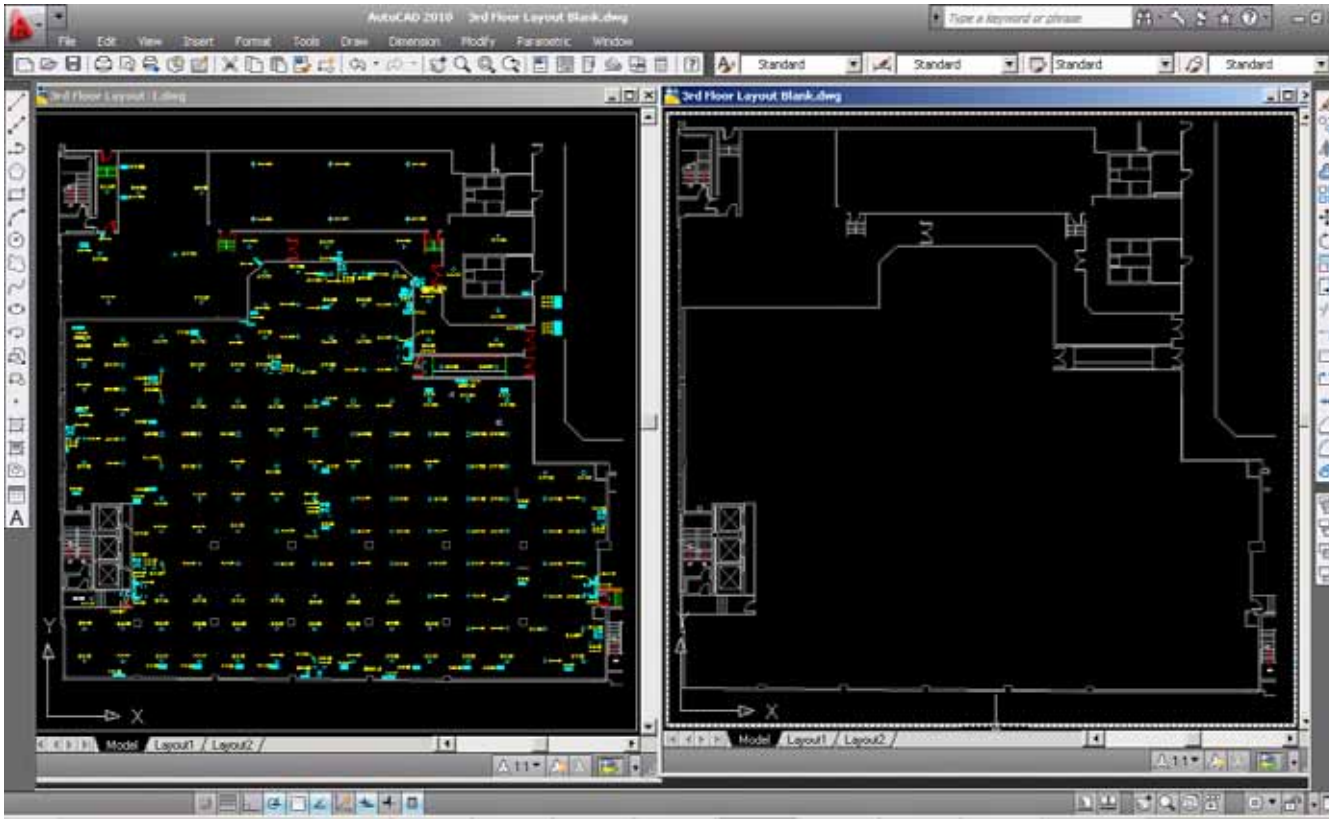
Changing Backgrounds

In the example shown so far in this section, we had the background with all the devices on it so you would know where to place the devices within Precise. Now that they are placed on the background, it would appear something like this

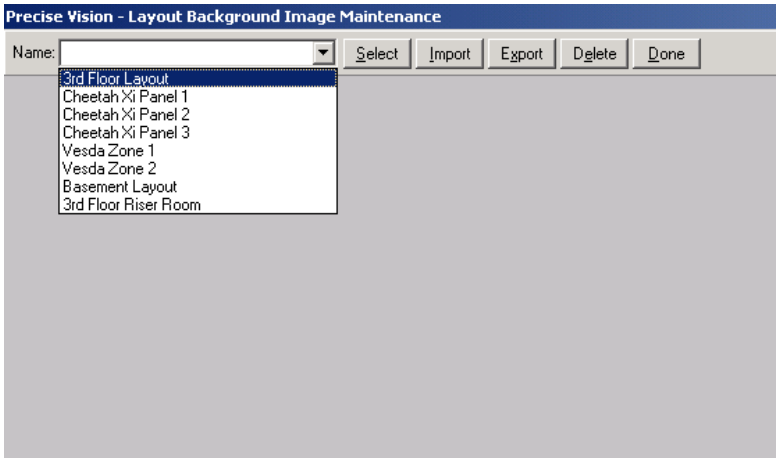


The devices are placed on the background, and the background itself still contains all the device locations and addresses as part of the autocad drawing used. To make a cleaner view and rely on the devices placed actually within Precise Vision. That change will first have to be made in Autocad to create a new wmf file without those devices shown on the floor plan.

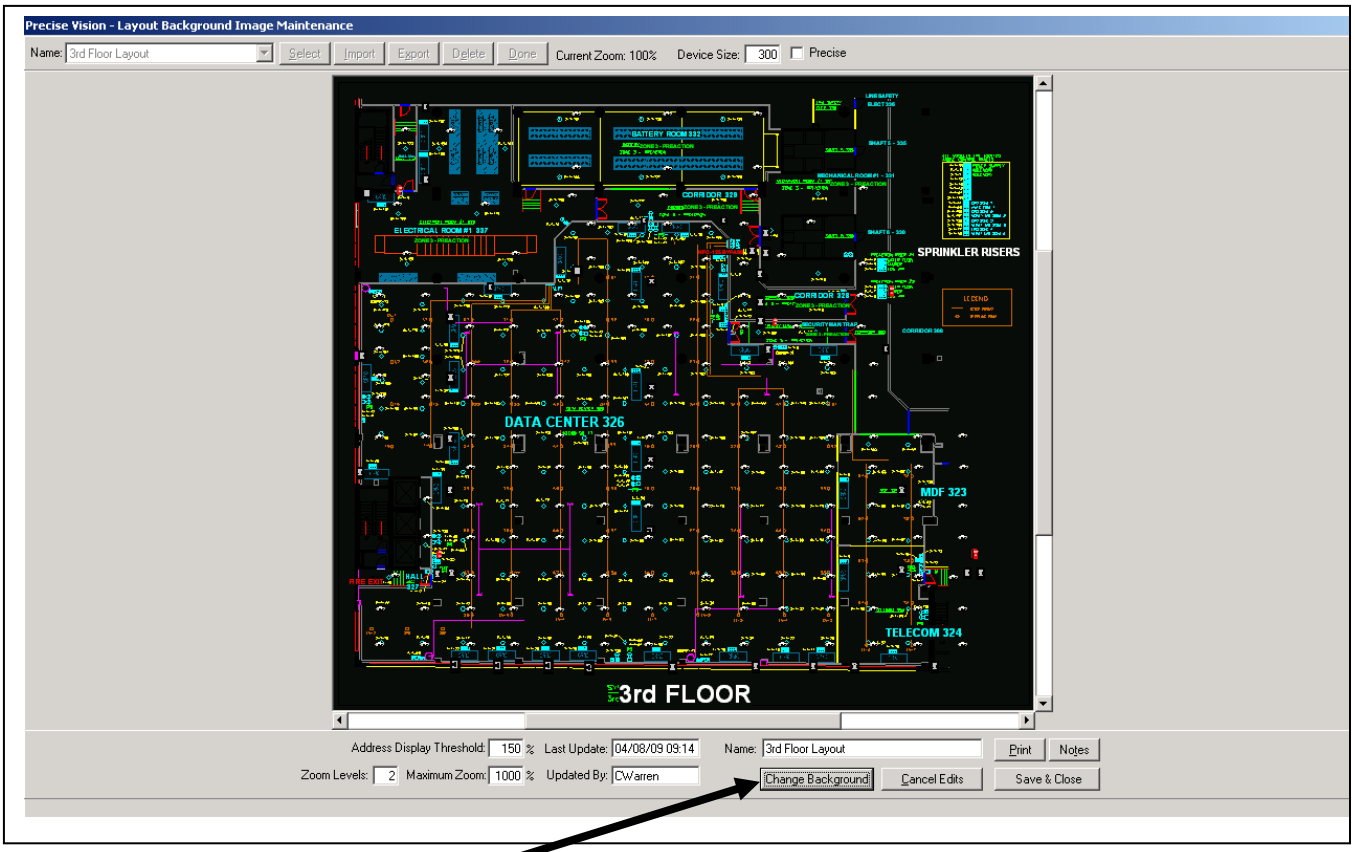
Whether you choose to delete the devices and address labels, or turn off layers or whatever choices you have, the end result is to export only the floor plan. In the view below, you see the original Autocad Drawing with all the devices. In the screen on the right, you see the exact same floor plan with those layers turned off or removed. The window is resized around the box originally placed around what you wanted to export, just like in the drawing that ends up like the one on the right. Repeat the steps in this section to Export the file to a wmf file. When exporting, it is helpful if you rename it to something else, like 3rd Floor Blank. That makes it easier if you need any one of these drawings for future use.



When you have the new wmf file created without the devices, go back into Configuration Manager, click on **Maintenance----Layout Background Image**….and select the background you had built before.

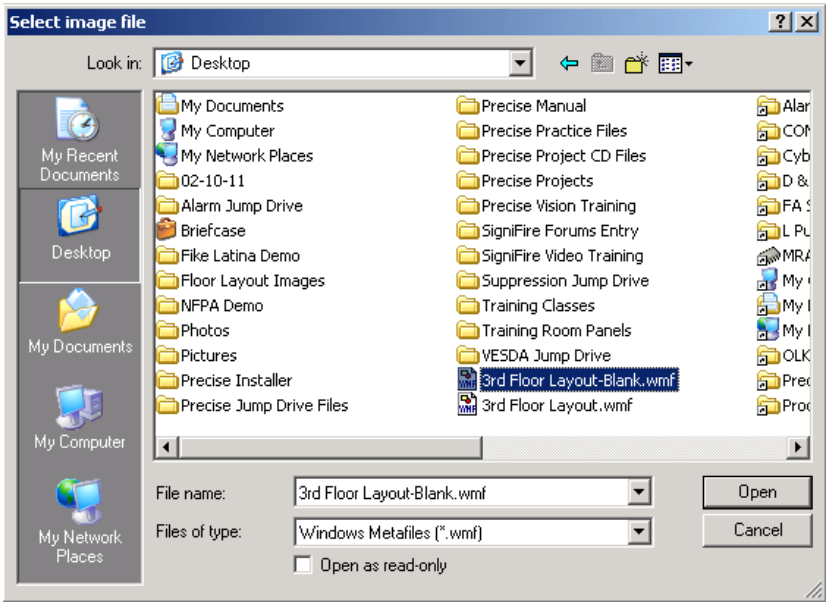


Click **Select** in above screen, and the floor plan with all the devices, and any other unneeded objects on the drawing you placed will appear.

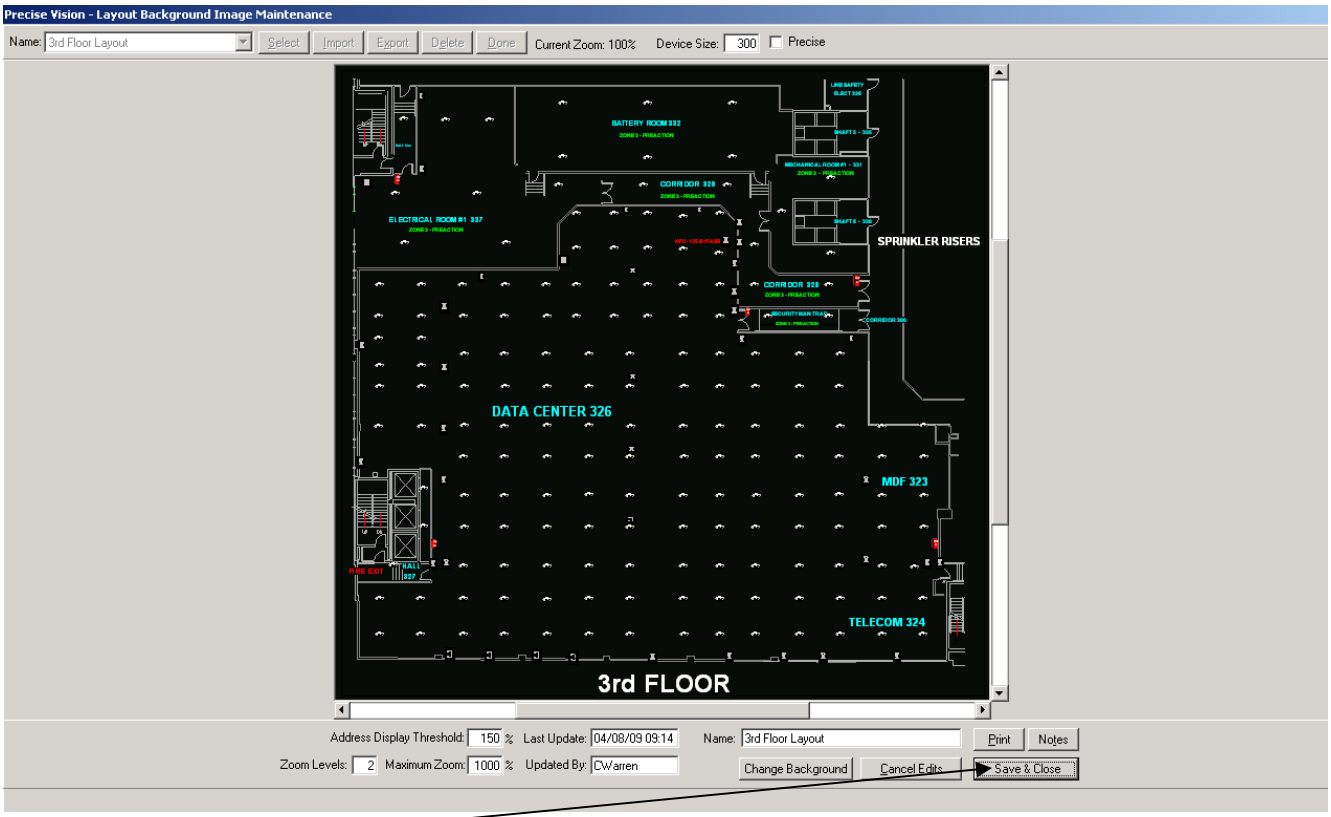


Click on **Change Background**

You will be prompted to find the new file you just created (in our case, the floor plan with all devices and addresses removed.



Click **OPEN**, and the background will change and give a much better, less confusing look

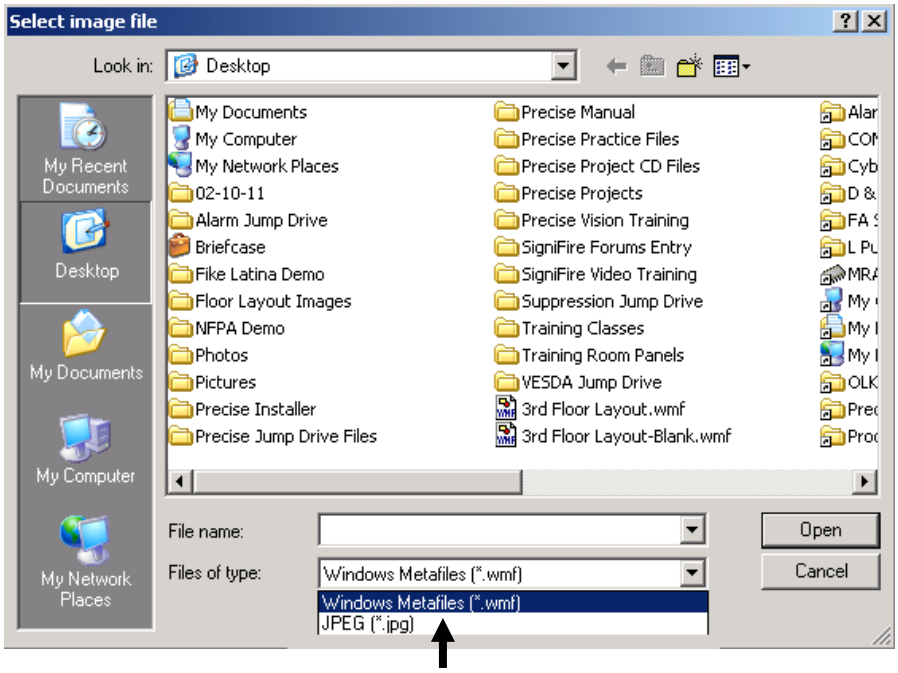


Then click **Save & Close** to save drawing with the new clean background.

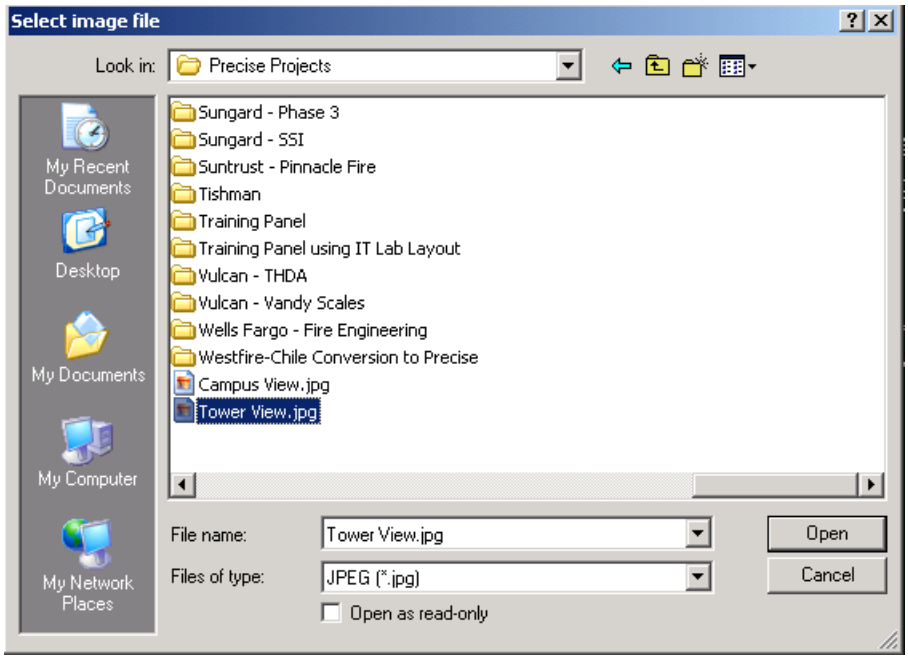
Using Picture / Photo Files

Chapter 10 shows importing Picture files for backgrounds as well as wmf files created in Autocad. The process is the same with one slight "trick."

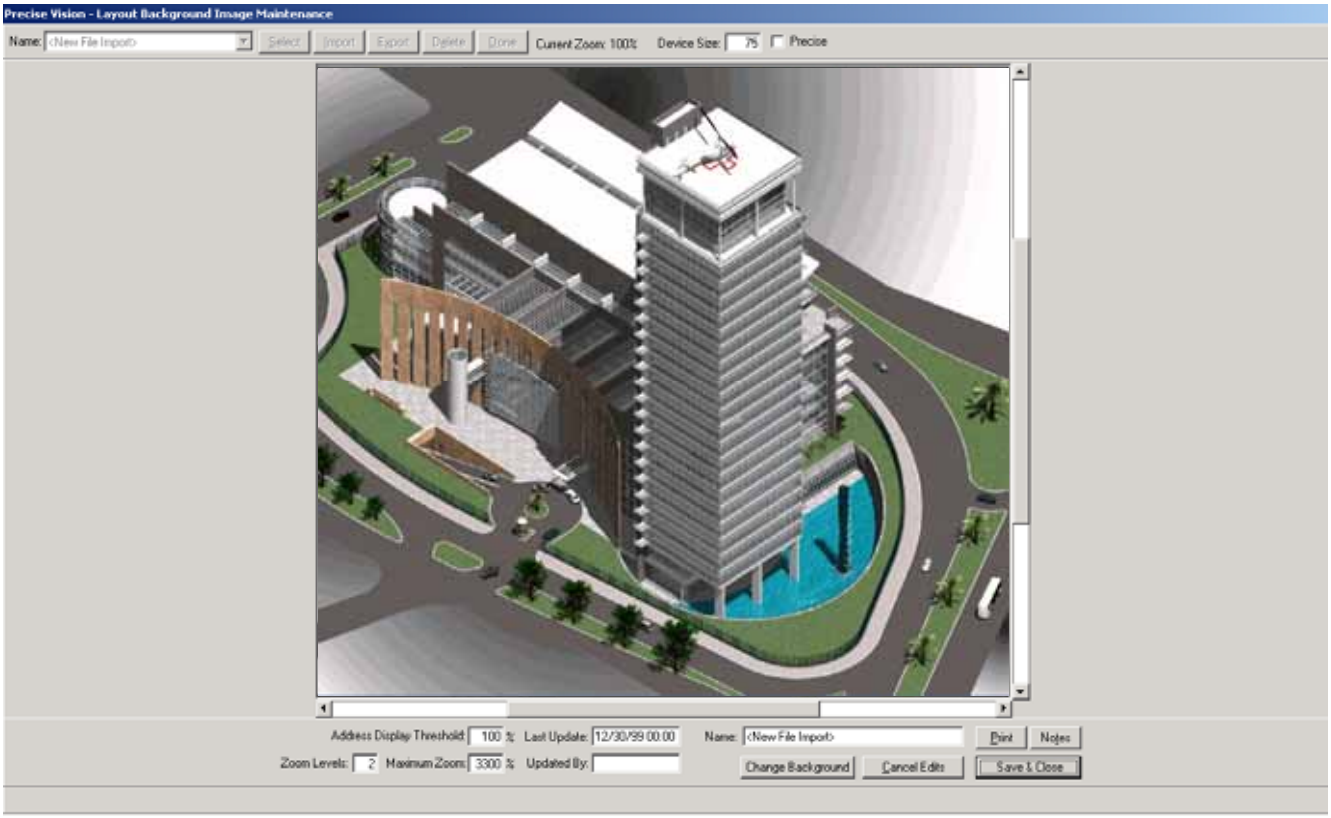
When you choose to **IMPORT** a file into Precise Vision as a background, it brings up the browser window for you to point to the location of the file you want to import. By default, it searches for wmf file types to import.



If you click the dropdown box and show different file types to search for, you can then import JPEG file types



And the JPEG file, or picture is then treated like any other background. These are very useful when creating zones or groups to show the area of the event rather than the individual device view first.



Helpful Hint: Working with Floor Plans and Backgrounds are discussed in length in Chapter 10. This includes placing devices and labels on your Precise system..

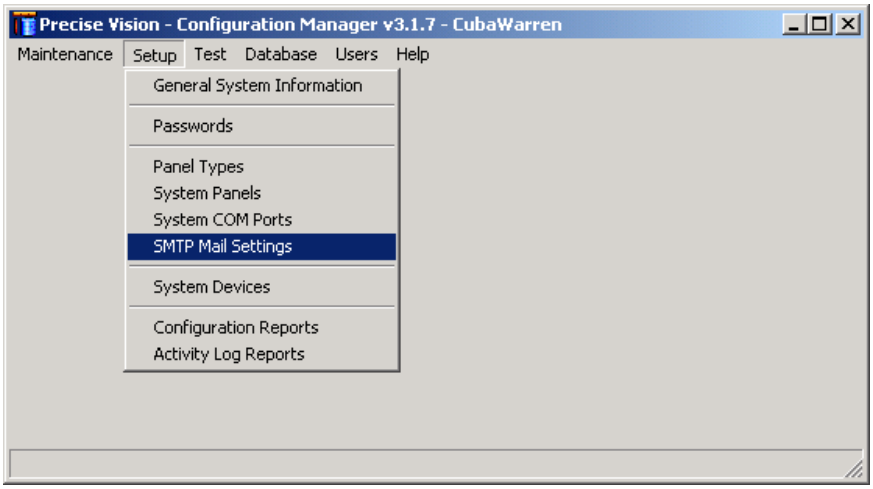
Appendix C: Setting Up E-Mail Notification

In an Emergency, you might want immediate notification to someone that may not be located at the Precise Vision computer monitoring the system. Or it might even be at an unattended site so you want notification sent to get someone there. The E-Mail option for Precise can do just that. It can be set up to send an e-mail describing the event to the person of your choice for that type condition. You could, for example, send e-mails for Alarm events to one or multiple e-mail addresses, while any trouble events are sent to notify someone else. This section shows how to set up your e-mail notification preferences.

Setting Up the Site SMTP E-Mail Server

The computer running Precise Vision must be connected to the company e-mail server for the E-Mail capability to function. The Precise Computer itself is not directly sending out the e-mail, it is directing it to a server that has the e-mail functionality to where is CAN be sent out.

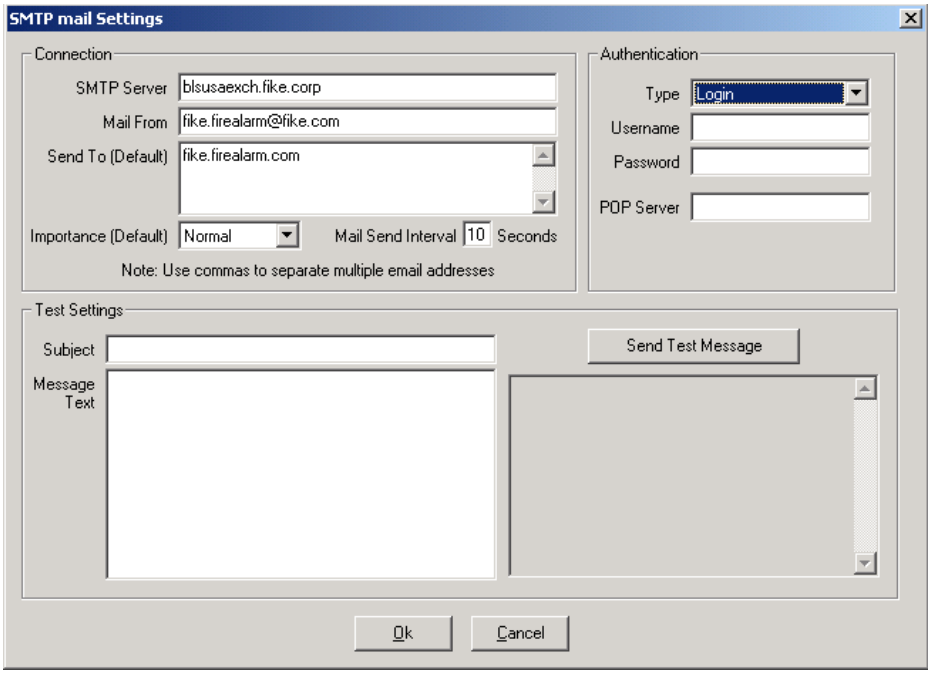
Begin by opening **Configuration Manager**.



Then go up to **Setup**……and look for **SMTP Mail Settings**. If that option does not show up under the Setup options, then STOP. Your Precise has not been licensed for E-Mail capabilities.

If your Purchase Order included P/N 06-510 - E-Mail Option, and you do not see this SMTP Mail Settings selection, you need to call Fike Technical Support at 888-628-3453 Option 2 so we can investigate why your license does not include E-Mail.

If the option IS there, click on **SMTP Mail Settings**.



- The SMTP Server field is where the routing and/or name of the company e-mail server is placed so Precise knows where to send the events. This information would have to come from the company's IT people.

- Mail From field is the address of who you designate as the sender of the message, if it matters. Some e-mail servers will only allow messages to be sent by a valid user on the system.

- Send To field is a default address of where events will be sent if not specifically designated in setup later in this section where you have the ability to start limiting areas of the building, or types of events that will be sent to specific addresses. This is the address of where events will be sent if you don't do any more specific detailing later.

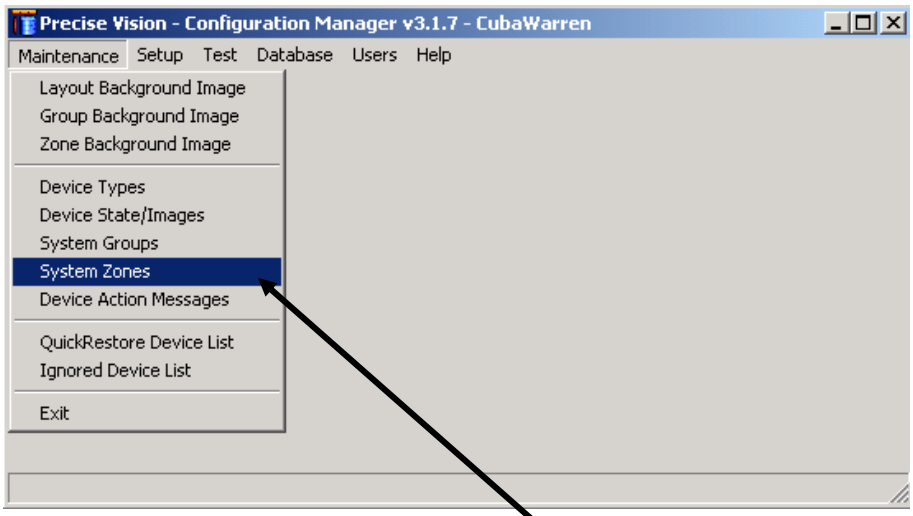
- The Authentication section in the upper right hand corner is only if the system you are sending through requires senders to log into the system any time they try to send a message. Again, this information would have to come from the company's IT people if it is required. Normal E-mail servers do not require this section to be complete.

- Importance for messages by default is normal. This can be changed to Low, Normal or High Priority. Again, these can be more individually set later if you designate different types of events to be sent to different addresses.

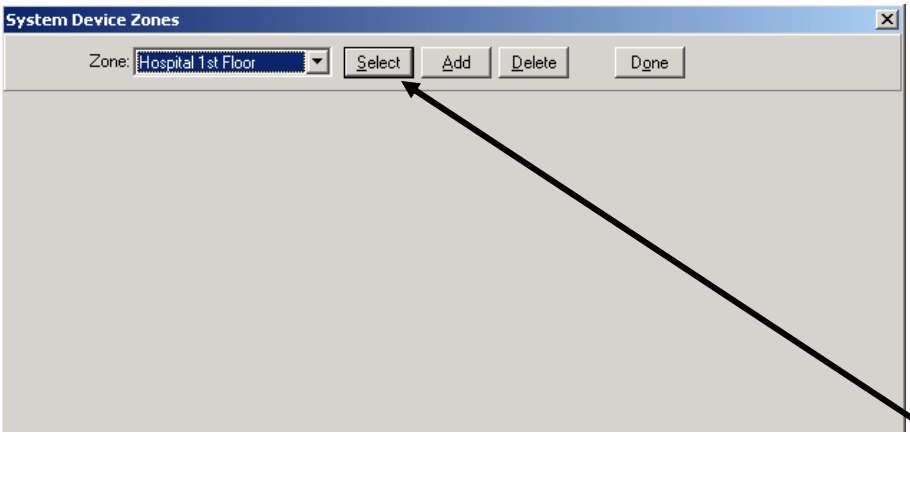
- Once you think you have the server routing set up properly, the bottom portion will allow you to enter a test message and send to the address designated at the top to verify correct operation and setup of the e-mail system. This will save you some troubleshooting time later if System Watch events are not sent to the designated e-mail address because of improper routing.

To individualize your e-mail destination for system events, you can designate each location within the facility to be sent to a different address if you want. This requires those different areas be set up as Zones or Groups within Precise. If you have built Zones or Groups into your system, then you can designate for each of those areas what e-mail address would be applicable for that area. (See Chapter 9 for more information on configuring Zones or Groups.)

To setup e-mail notification for each Zone or Group, first open **Configuration Manager**.

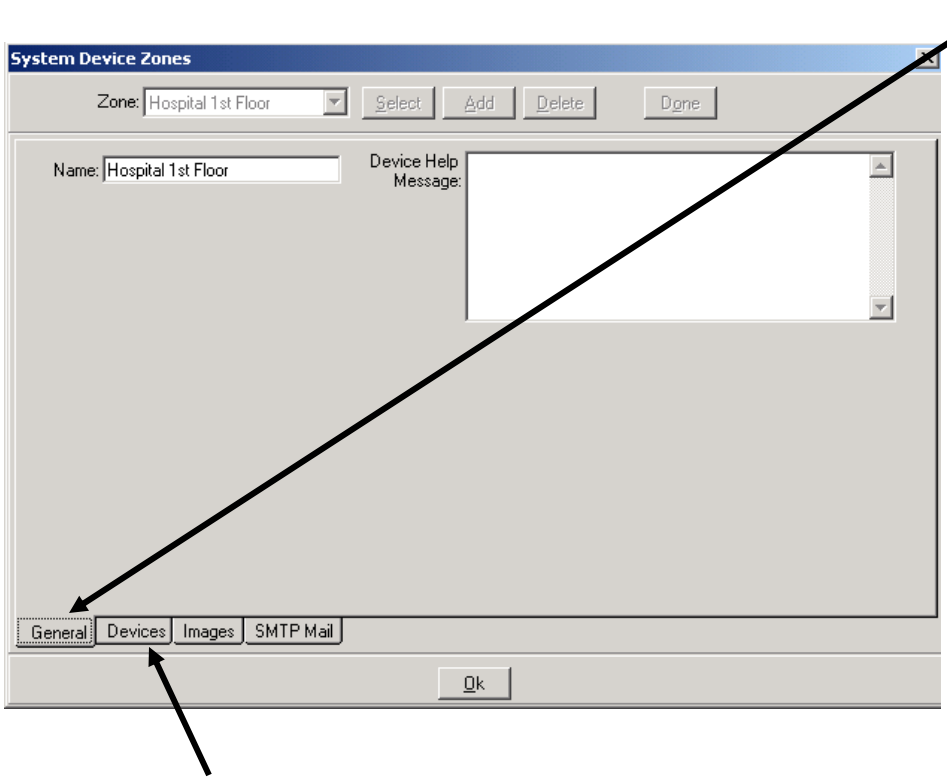


Click on **Maintenance** at the top of the screen, and choose **System Zones or System Groups**….depending on how you have built your system. The setup is the same for either Groups or Zones.

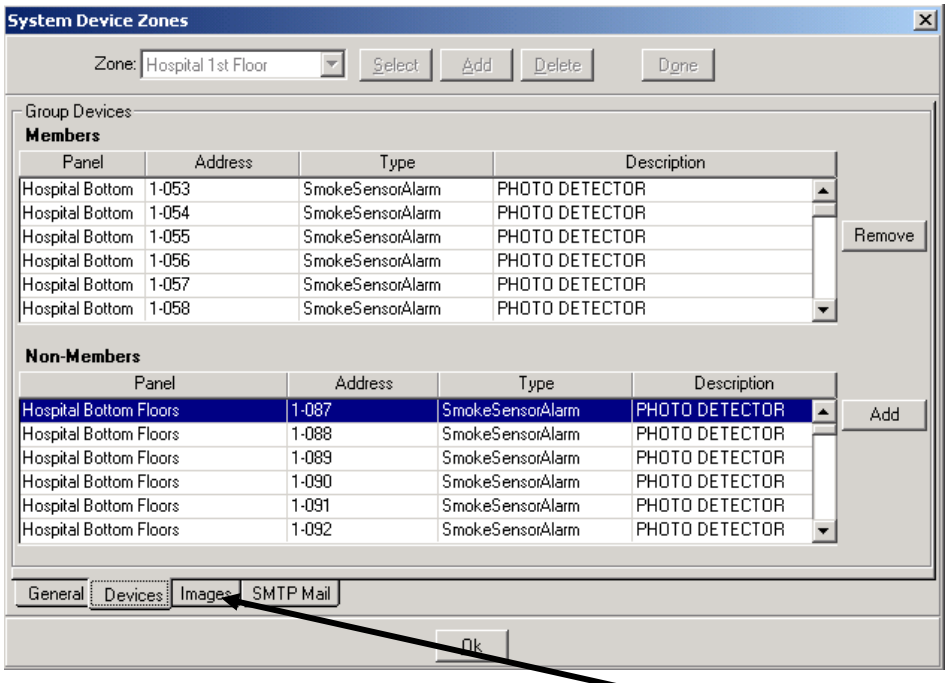


From the drop down box of zones or groups built, select the zone you want to program……..then click **Select**.

In Chapter 9 you learned how to build a zone or group, and you began by giving it a name on this **General Tab**.

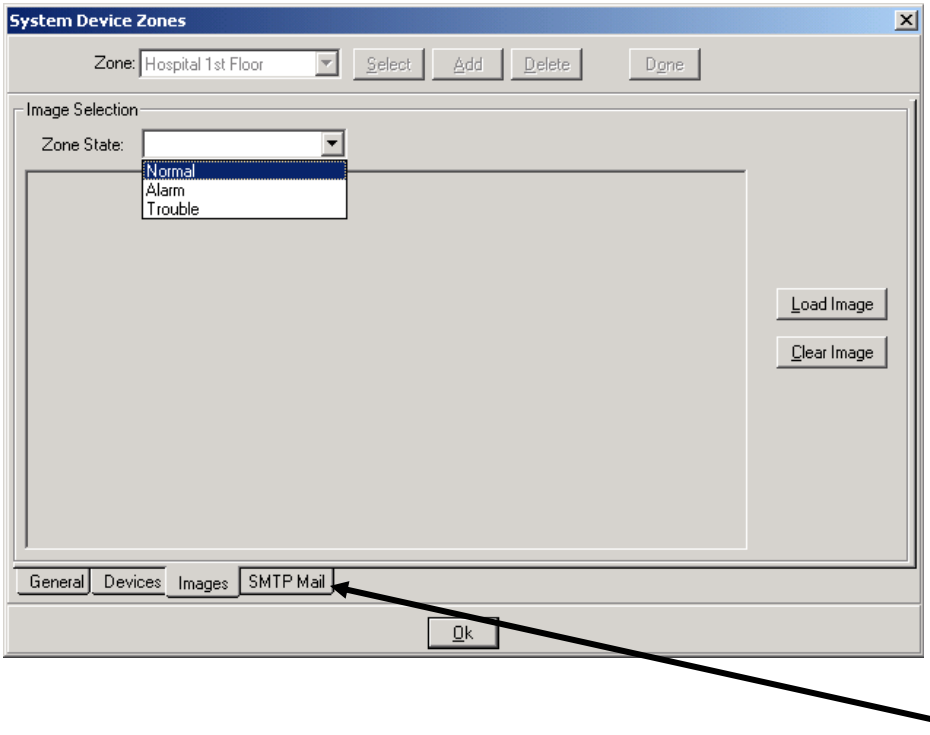


Then you have to click on the **Devices Tab** at the bottom:….where you assign all the system devices that are a part of this Zone or Group.



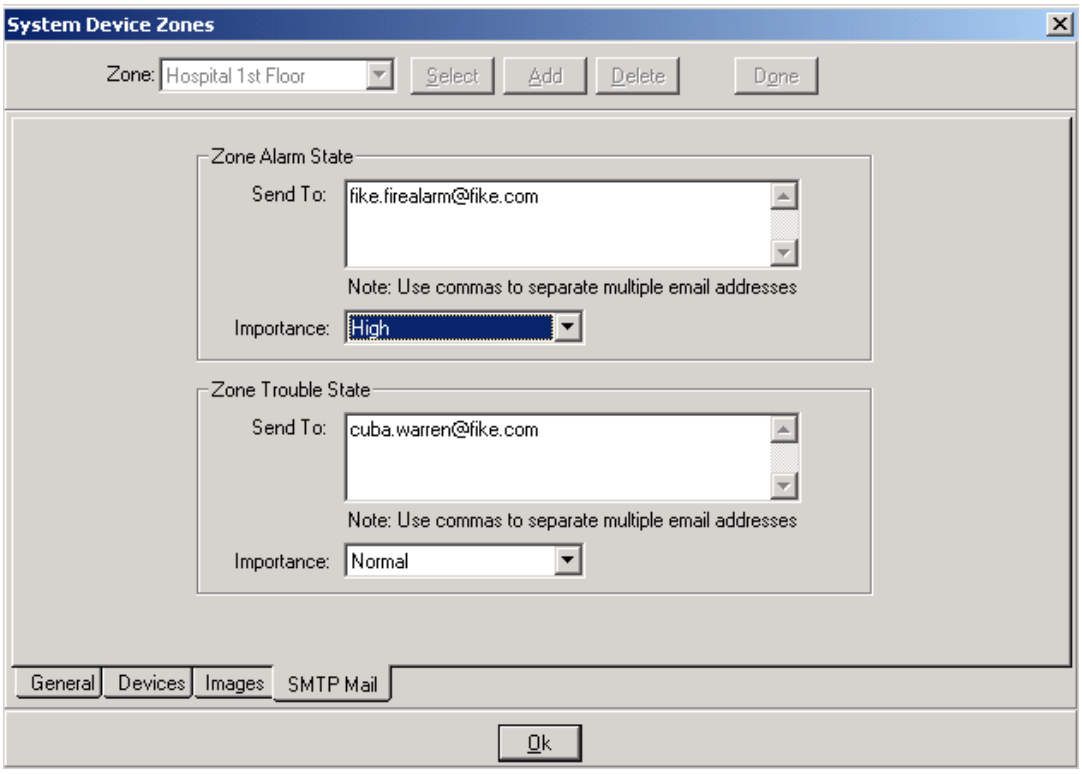
Then for the background drawing or picture for that zone, you had to click on the **Image Tab**.

The Image tab is where you select an Image or Picture that will display for each state that zone or group creates.



And now to set up the E-Mail notification that affects all devices in this Zone or Group, Click on **SMTP Mail Tab**.

The SMTP Mail Tab is where you will route the system messages being e-mailed.



- In the top box, enter the e-mail address you want any event that is an Alarm event sent to. This can be one, or multiple e-mail addresses. Type in an address, then enter a comma, then another address, and so on. There is not a set limit of number of addresses to enter here…but since all this configuration information will be stored in a Microsoft Database, this is limited to a 256 letters and commas.
- For the events of Alarm state, you can then designate Low, Normal or High priority for these e-mails.
- In the bottom half of the screen is where you would enter the e-mail address or addresses of where the notifications will be sent if there is a Trouble in this zone.
- Again, it can be one or multiple addresses, and the Importance can be set to Low, Normal or High Priority.
- Repeat this for all Zones and Groups, or the default e-mail address you entered in the SMTP Mail Settings will be used.

This page intentionally left blank

Appendix D: Using Precise to Monitor Other Systems

Although the Fike CyberCat and Cheetah Xi control panels are the best systems on the market today, if a location has other systems installed that you want to use Precise Vision to also monitor, it would allow one flexible monitoring system instead of hybrid systems installed on the same location. Precise Vision has been adapted to allow input from other systems to allow this.

If you are going to use Precise Vision to monitor panels other than CyberCat and Cheetah Xi, you need to notify us of this special application so we can get a new database to you that would allow the other systems. The basic software downloaded from Fike Forums would only allow the CyberCat and Cheetah Xi protocol to function.

Below is a list of devices or systems that Precise Vision could work with.

System Types
Description
Ademco ContactID
Advantech ADAM
Alison Control
AsBuilt Engineered Systems
BacNet
Channel Application
Digitize
DMP
Evax
Faraday 2000
Faraday 6000
Faraday 7000
FCI 7100
FCI 7200
FCI Broadband
FCI E3
FCI FCID
Fenwal 1000/4000
Fenwal 2000
Fenwal 6000 Network
Fenwal 6000 Single
Fike Cheetah Classic
Fike Cheetah Xi
Fike CyberCat
Fike Printer Module
FireLite

System Types
Description
Fireye Boiler
Gamewell - Channel
Gamewell - Network
Gamewell - Single Panel
GE CADXX
GE EST
Grinnell
Harrington Signal Co.
Hochiki
Honeywell Boiler
Keltron
Kidde Aries
Kidde Pegasys
McQuay Chiller - Air Cooled
McQuay Chiller - Water Cooled
Mircom
Modbus
MSA Gas Detection
Notifier - AFP Series
Notifier 1010/2020 Network
Notifier Onyx
Radionics Receiver
Radionics BOSCH
SAFETECH
Secutron
Siemens MXL

System Types
Description
Siemens XLS
Silent Knight 9500/9800 Receiver
Silent Knight 5824 Serial
Silent Knight Gateway 1
Silent Knight Gateway 2
Simplex 4100
Simplex 4100U
TraceTek Leak Detection

Appendix E: Say It in Spanish

In an emergency, you need to communicate clearly with your security team. If your security guards usually read and speak Spanish, your Precise Vision system should include information in Spanish, too. Happily, that's easy to do. As you set up your Precise Vision system, you can include Spanish labels and "Take Action" messages right alongside their English counterparts. Here is a handy guide to a wide range of Spanish words and phrases you can use when you set up your Precise Vision system for Spanish-speaking users. Even if you don't plan to incorporate Spanish in your Precise Vision system, the terms listed here could give you a head start in developing your "Take Action" messages.

Spanish Map and Floor Plan Labels

Consult this list as you label your background maps and floor plans.

Access: Acceso
Air Conditioner: Aire Acondicionado
Area: Patio
Atrium: Atrio
Attic: Ático
Audio-Visual Room: Salón de Audio-Visuales
Auditorium: Auditorio
Baggage Claim: Reclamo de Equipaje
Balcony: Balcón
Basement: Sótano
Bathroom: Baño
Battery Room: Cuarto de Baterías
Bedroom: Alcoba
Break Room: Sala de Descanso
Building: Edificio
Business Office: Oficina de Negocios
Bypass: Bipás
Cafeteria: Cafetería
Campus: Ciudad Universitaria
Ceiling: Cielo Raso
Center: Centro
Changing Room: Salón de Cambio
Checkpoint : Punto de Inspección
Chiller: Enfriador
Classroom: Aula de Clases
Closet: Armario
Coat Room: Guardarropa
Command Center: Centro de Mando
Common Area: Área Común
Communications Room: Sala de Comunicaciones
Computer Area: Área de Computadores
Computer Room: Sala de Computadores
Concourse: Vestíbulo
Conference Area: Area de Conferencias
Conference Room: Salón de Conferencias
Control Room: Sala de Control
Copy/Fax Room: Sala de Copia/Fax
Corridor: Corredor
Courtyard: Patio
Critical: Crítico
Customer Service: Servicio al Cliente
Darkroom: Cuarto Oscuro
Data Center: Centro de Datos
Dining Room: Comedor
Directions/ North, South, East, West: Direcciones/ Norte, Sur, Este, Oeste
Directions/ Northeast, Northwest, Southeast, Southwest: Direcciones/ Noreste, Noroeste, Sureste, Suroeste
Display Area: Área de Exhibición
Dock: Muelle
Doctor's Office: Oficina del Doctor
Door: Puerta
Dressing Room: Cuarto de Vestir
Duct: Conducto
East: Este
Electrical Room: Cuatro Eléctrico
Elevator: Ascensor
Emergency Exit: Salida de Emergencia
Emergency Room: Cuarto de Emergencia
Employee Lounge: Sala de Empleados
Enclosure: Recinto
Entrance: Entrada
Entry: Entrada
Equipment Room: Cuarto de Equipos y Materiales
Escalator: Escalera Móvil
Exam Room: Salón de Exámenes
Executive: Ejecutivo
Executive Restroom: Baño de Ejecutivos
Exercise Room: Salón de Ejercicios
Exit: Salida
Eye Wash Station: Estación de Lavado de Ojos
Facility: Facilidad
Fence: Cerca
Fiber Optic: Fibra Óptica
Firefighter's Phone: Teléfono de Bomberos
Floor: Piso
Floors/ First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth: Pisos/ Primero, Segundo, Tercero, Cuarto, Quinto, Sexto, Séptimo, Octavo, Noveno, Décimo
Freezer: Congelador
Furnace: Horno
Gallery: Galería
Garage: Garaje
Gate: Puerta
Generator: Generador
Greenhouse: Invernadero
Guard Station: Estación de Guardia
Gymnasium: Gimnasio
Hall (Large room): Sala
Hall (Corridor): Pasillo
Handicap Access: Acceso para Minusválidos
Headquarters: Sede Central
High-Security Area: Área de Alta Seguridad
Hot Tub: Baño Caliente
Information Desk: Recepción
Janitor's Closet: Armario del Conserje
Kiosk: Quiosco
Kitchen: Cocina
Laboratory: Laboratorio
Landing: Aterrizaje
Laundry Room: Cuarto de Lavandería
Level: Nivel
Library: Biblioteca
Light: Luz
Lobby: Lobby
Locker Room: Vestuario
Loft: Desván
Lounge: Sala (de estar)
Lower Level: Nivel Inferior
Luggage Area: Área de Equipaje
Machine Shop: Taller de Maquinaria

Mail Room: Salón de Correo
Mechanical Room: Salón de Mecánica
Men's Restroom: Baño para Hombres
North: Norte
Northeast: Noreste
Northwest: Noroeste
Nursery: Guardería Infantil
Nurses Station: Estación de Enfermería
Off Limits: Fuera de Límites
Office: Oficina
Open Area: Área Abierta
Parking: Estacionamiento
Pay Phone: Teléfono Público
Pool: Estanque
Press Room: Sala de Prensa
Private: Privado
Public: Público
Public Address System: Sistema Amplificador para Discursos Públicos
Pump: Bomba
Pump Room: Cuarto de Bombas
Quadrant: Cuadrante
Receiving: Recibir
Reception Area: Área de Recepción
Reception Desk: Recepción
Reception Room: Sala de Recepción
Recreation Room: Salón de Recreación
Recycling Station: Estación de Reciclaje
Refrigerator: Nevera
Restricted: Restringido
Restroom: Baño
Revolving Door: Puerta Giratoria
Roof: Techo
Room: Habitación
Sauna: Sauna
Security Room: Cuarto de Seguridad
Shipping: Embarque
Shipping and Receiving: Embarque y Recepción
Shop: Tienda
Shower: Ducha
Shutoff Valve: Válvula de Cierre
Solarium: Solana
South: Sur
Southeast: Sureste
Southwest: Suroeste
Sprinkler Room: Extintor de Incendios
Staff Lounge: Salón del Personal
Stairwell: Hueco de Escalera
Station: Estación
Storage: Almacenaje
Store: Tienda
Studio: Estudio
Sub-Basement: Subsótano
Subfloor: Subpiso
Sunroom: Solana
Supply Closet: Armario de Suministros
Swimming Pool: Piscina
Switch: Interruptor
Switchboard: Conmutador
System: Sistema
Tech: Técnico
Telephone: Teléfono
Telephone Room: Cabina Telefónica
Termination Closet: Armario de Terminación
Tower: Torre
Trash: Basura
Upper Level: Nivel Superior
UPS (Uninterruptable Power Supply) Room: Cuarto de UPS (Suministro de Energía Ininterrumpible)
Vending Machines: Máquinas de Comida Rápida
Vent: Rejilla (de Ventilación)
Vestibule: Vestíbulo
Waiting Room: Sala de Espera
Wall: Pared
Warehouse: Depósito
Water Heater: Calentador de Agua
West: Oeste
Window: Ventana
Wing: Ala
Women's Restroom: Baño de Mujeres
Work Area: Área de Trabajo
Workstation: Estación de Trabajo
X-ray: Rayos X
Yard: Patio

Fire and Security Keywords

Try these keywords when you are setting up your fire and security stations.

Access Card: Tarjeta de Acceso
Air Conditioner: Aire Acondicionado
Alarm: Alarma
Alert: Alerta
Ambulance: Ambulancia
Armed/Disarmed: Armado/Desarmado
Backup Power: Energía de Reserva
Battery: Batería
Biohazard: Bioriesgo
Carbon Dioxide (CO2): Dióxido de Carbono
Chemicals: Químicos
Climate Control: Control del Clima
Control: Control
Control Room: Sala de Control
Coolant: Líquido Refrigerador
Danger: Peligro
Dangerous Chemicals: Químicos Peligrosos
Dangerous Gas: Gas Peligroso
Dehumidifier: Deshumedecedor
Detector: Detector
Device: Mecanismo
Disabled: Inhabilitado
Emergency: Emergencia
Enabled: Habilitado
Evacuate: Evacuar
Explosive: Explosivo
Explosive Gas: Gas Explosivo
Extinguisher: Extintor
Extremely Flammable: Altamente Inflamable

Eye Wash Station: Estación de Lavado de Ojos
Fault: Avería
Fire: Fuego
Fire Alarm: Alarma de Fuego
Firefighter: Bombero
Flammable: Inflamable
Floor Plan: Planta
Furnace: Horno
Gas: Gas
Hazardous Materials: Materiales Peligrosos
Heat: Calor
Heat Detector: Detector de Calor
Heat Sensor: Sensor de Calor
High Temperature: Temperatura Alta
Humidifier: Hemedecedor
Hydrogen Gas: Gas de Hidrógeno
Immediately: Inmediatamente
Intruder Alarm: Alarma contra Intrusos
Ion Detector: Detector de Iones
Loss of Power: Pérdida de Energía
Low Battery: Batería Baja
Low Temperature: Temperatura Baja
Man Trap: Trampa de Hombres
Manual Station: Estación Manual
Map: Mapa
Motion Alarm: Alarma de Movimiento
Motion Sensor: Sensor de Movimiento
Natural Gas: Gas Natural
Needs Service: Servicio de Necesidades
On/Off: Prendido/Apagado
Photo Detector: Fotodetector
Police: Policía
Power Off: Apagado
Power On: Prendido
Propane: Propano
Protected Area/Unprotected Area: Crea Protegida/Área Desprotegida
Pull Station: Estación de Arranque
Pump: Bomba
Radiation: Radiación
Radioactive: Radiactivo
Security: Seguridad
Shut-Off Valve: Válvula de Cierre
Smoke: Humo
Smoke Detector: Detector de Humo
Sprinkler: Extintor
Sprinkler Shut-Off Valve: Válvula de Cierre de Extintores
Sprinkler System: Instalación de Rociadura Automática (para Extinción de Incendios)
Sprinkler Water Flow: Flujo de Agua para Extinción de Incendios
Strobe Light: Luz Estroboscópica
Supervisor: Supervisor
System: Sistema
Tamper Switch: Interruptor de Apretar
Tank: Tanque
Temperature Control: Control de Temperatura
Temperature-Controlled: Temperatura Controlada
Trouble: Problema
Unprotected Area: Área Desprotegida
Vent: Rejilla (de ventilación)
Water Leak: Escape de Agua
Water-Flow Switch: Interruptor de Flujo de Agua
Wire: Cable
Zoom In: Acercarse
Zoom Out: Alejarse

"Take Action" Suggestions

Use these words and phrases as you compose your "Take Action" emergency instructions.

A burglary may be in progress.
Puede estar llevándose a cabo un robo.

A chemical spill may be in progress.
Puede haber un derrame de químico.

A toxic leak may be in progress.
Puede haber una fuga de material tóxico.

Be prepared to use the fire extinguisher.
Esté preparado para usar el extintor de fuego.

Bring a flashlight.
Traiga una linterna.

Call [name] at [555-1212].
Llame a [Nombre] al [555-1212].

Call 911 for a hazardous materials team.
Llame al 911 y pida un equipo contra materiales peligrosos.

Call 911 for an ambulance.
Llame al 911 y pida una ambulancia.

Call 911 for the fire department.
Llame al 911 solicitando los bomberos.

Call 911 for the police.
Llame al 911 solicitando la policía.

Call 911 immediately.
Llame al 911 inmediatamente.

Call a supervisor.
Llame a un supervisor.

Call the building manager.
Llame al administrador del edificio.

Call the electric company.
Llame a la empresa de energía.

Call the gas company.
Llame a la compañía de gas.

Call the head of security.
Llame al jefe de seguridad.

Call the maintenance department.
Llame al departamento de mantenimiento.

Call the service company.
Llame a la compañía de servicios.

Call the telephone company.
Llame a la compañía de teléfonos.

Clear the area.
Despeje el área.

Close all doors and windows.
Cierre todas las puertas y ventanas.

Close all doors.
Cierre todas las puertas.

Close all windows.
Cierre todas las ventanas.

CO2 is deadly.
El CO2 es mortal.

Danger!
¡Peligro!

Do not attempt to handle this emergency alone.
No intente manejar solo esta emergencia.

Do not enter the area.
No entre al área.

Do not forget …
No olvide...

Do not reset this alarm.
No engaste de nuevo esta alarma.

Follow the procedures for this condition.
Siga los procedimientos para esta condición.

Go to …
Vaya a...

Go with a partner.
Vaya con un compañero.

Hydrogen gas is explosive.
El gas de hidrógeno es explosivo.

If you have determined that this is a false alarm that needs service, call _____.
Si ha determinado que ésta es una falsa alarma que necesita servicio, llame a _____.

Investigate.
Investigue.

Make sure all doors are locked.
Asegúrese que todas las puertas estén cerradas con llave.

Make sure everyone has left the area.
Asegúrese que todos han salido del área.

Make sure everyone has left the building.
Asegúrese que todos han salido del edificio.

[Name] has been called automatically.
[Nombre] ha sido llamado automáticamente.

[Name] is disabled and needs help to leave the area.
[Nombre] es minusválido y necesita ayuda para salir del área.

Re-arm the system.
Arme de nuevo el sistema.

Remember …
Recuerde ...

Re-set the system.
Reconfigure el sistema.

Respond immediately.
Responda inmediatamente.

Secure the building.
Asegure el edificio.

Shut off the gas.
Cierre el gas.

Shut off the water.
Cierre el agua.

Someone has activated an alarm.
Alguien ha activado una alarma.

Steps: First, Second, Third …
Pasos: Primero, segundo, tercero...

System malfunction.
Mal funcionamiento del sistema.

Take action.
Haga algo.

The _____ needs immediate attention.
El (la) _____ necesita atención inmediata.

The area is not protected.
El área no está protegida.

The area is protected.
El área está protegida.

The battery needs to be replaced.
La batería necesita ser reemplazada.

The door is closed.
La puerta está cerrada.

The door is locked.
La puerta está asegurada con llave.

The door is open.
La puerta está abierta.

The door is unlocked.
La puerta no está cerrada con llave.

The equipment may be malfunctioning.
El equipo puede estar funcionando mal.

The heat detector has sensed fire.
El detector de calor ha detectado fuego.

The motion detector has sensed activity in the area.
El detector de movimiento ha descubierto actividad en el área.

The power has been cut off.
La fuente de energía ha sido cortada.

The situation may be extremely dangerous.
La situación puede ser muy peligrosa.

The smoke alarm has sensed smoke.
La alarma de humo ha detectado humo.

The smoke detector has sensed smoke.
El detector de humo ha detectado humo.

The system is armed.
El sistema está armado.

The system is not armed.
El sistema no está armado.

The temperature is not within normal range.
La temperatura no está dentro del rango normal.

The temperature is within normal range.
La temperatura está dentro del rango normal.

There is a high risk of explosion.
Hay un alto riesgo de explosión.

There may be a fire.
Puede haber fuego.

There may be a leak.
Puede haber una fuga.

There may have been an explosion.
Puede haber ocurrido una explosión.

This is a drill/This is not a drill.
Este es un ejercicio/Este no es un ejercicio.

This is a test/This is not a test.
Esta es una prueba/Esta no es una prueba.

This is a true emergency.
Esta es una emergencia real.

Tune your radio to channel “x”.
Sintonice su radio en el canal “x”.

Use caution.
Sea cauteloso.

Wait for _____ to re-set this alarm.
Espere a _____ para reajustar esta alarma.

Wait for the hazardous materials team to arrive.
Espere a que llegue el equipo contra materiales peligrosos.

Wear a gas mask.
Use una máscara antigás.

Wear gloves.
Use guantes.

Wear protective gear: gloves, glasses, gas mask.
Use equipo protector: Guantes, gafas, máscara antigás.

Wear safety glasses.
Use gafas de seguridad

Appendix F: Technical Support and Training

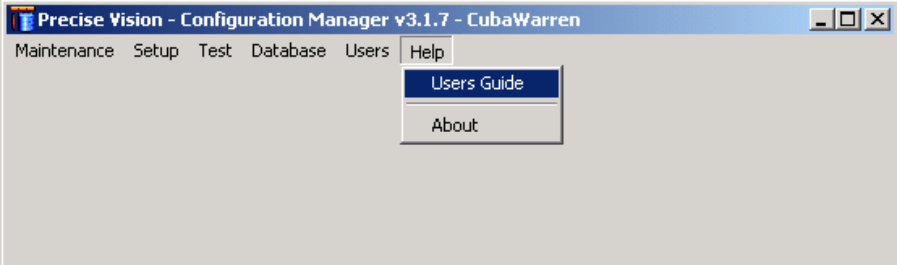
With Precise Vision, help is just a click, an email, or a phone call away. Friendly experts in our technical support staff are ready and willing to answer all of your questions.

Technical Support

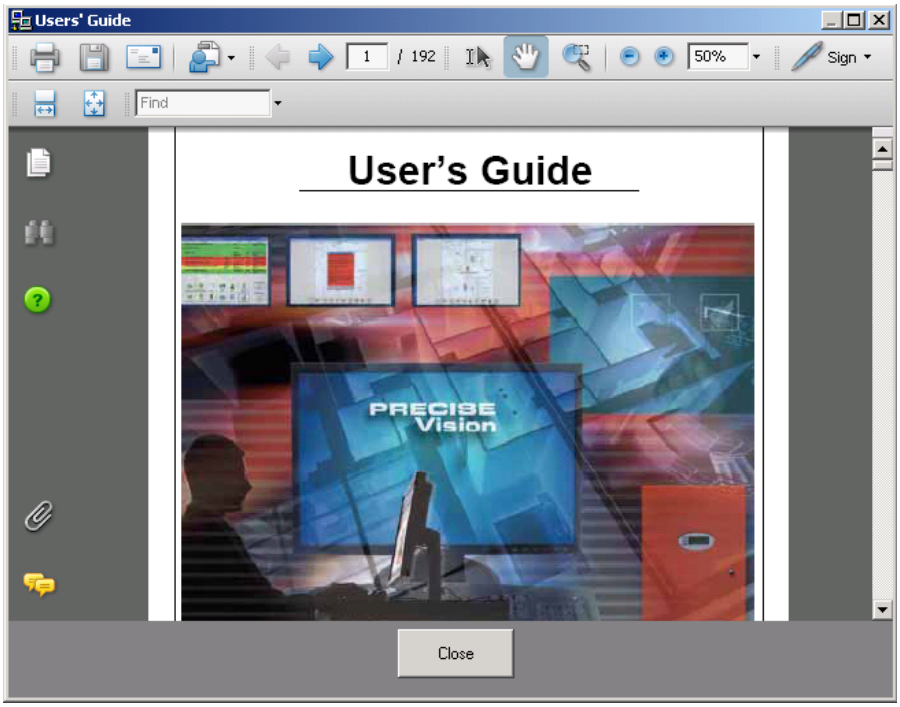
Fike Alarm Systems offers standard technical support information at our web site, www.fike.com. You can also email your technical questions to *Fike.firealarm@fike.com*.

Built-In User's Guide

You can access the Precise Vision User's Guide whenever you are working in Precise Vision. Simply go to the "**Help**" drop-down menu, and click on "**User's Guide**."



The User's Guide will open in PDF format.



Technical Training

Fike offers complete training on the Precise Event Management Software. For listings of scheduled classes, please see the forums.fike.com website, and click on Technical Training for a complete schedule. Like any of our technical courses, if you are interested in this training being brought to your site, contact Fike Technical Support for information, cost and/or scheduling availabilities.

Fike Technical Support

Domestic – 1-888-628-3453 Option 2 **International – 816-228-3405** **E-Mail – Fike.Firealarm@Fike.com**

Glossary of Terms

ACL-7125 Relay Card: 8-relay circuit board to be installed in computer

Access Point: A device that connects wired and wireless networks.

Active Devices: Smoke detectors and monitoring devices in “alarm” or “trouble” state

Address: The identification code of a device used in communication with a control panel

All Devices: Every smoke detector and monitoring point in the system

Background Map: Picture used to locate devices - usually a floor plan

Binary Log: A Precise Vision Port Capture setting used to create a record file of all characters and codes exactly the way a panel sends them

Button: A graphic on the screen that looks like a 3-D raised button for control

Bytes Read: The number of characters received by the Port Capture program

CD: High-capacity removable disk

COM Ports: RS232 communication port with a connector at the back of the computer, named COM1: through COM128:

Command Post: Location of the Precise Vision monitoring computer

Configuration: The act of customizing Precise Vision for your site

Configuration Manager: The program used to customize Precise Vision for your site

Data Bits: One of the communication parameters between the Precise Vision computer and a control panel that must match

Data Rate: The speed setting of communication between Precise Vision and a control panel

Default: A Precise Vision setting assigned before customization for your site

Device Image: A Windows metafile or icon picture that looks like a device

Device State: The reported status of a system device: Alarm, Trouble, or Normal

Device Type: A specific category of device, such as smoke detector or heat detector, for input of alarms or control of the fire system

Dialogue Box: A small pop-up window with a message or a question for you to answer

Directory: A folder that holds files on a disk drive

Disk Drive: A device in the computer that can store large amounts of data. A floppy disk drive (usually a:) can be used to transfer data to or from the computer

DNS Server Address: The Domain Name System allows Internet host computers to have a domain name (like www.fike.com) and one or more eight-digit IP addresses.

Done Button: The button on a Precise Vision input screen that will save the information you’ve entered and take you back to a main menu

DOS: Operating system; Windows can allow DOS commands

Double Click: Click the mouse pointer button twice, quickly

Drag and Drop: Point to an item on the screen, hold the mouse button down, and the item will follow your movement. You may drag it to any location, then release when you are finished moving it

Error: A reported problem that the computer cannot process

Ethernet: A local area data communications network that uses unshielded twisted pair wire.

Ethernet Adapter: A circuit board in the computer that allows another computer or an entire network to share programs

EULA: End User License Agreement

Exit: Quit the current program

Fire Alarm: A message that one of the devices has reported a fire

Floor Plan: An image that represents a building floor, much like a blueprint

Graphic: An individual image on the computer screen

Group: An association of devices that can be named and identified with a unique graphic

Hard Drive: See “disk drive”

Hardlock: A copy-protection device with software drivers

Icon: A coarse graphic image 16, 32, or 48 pixels square

Incoming Data: Information about the status of a fire system as received by Precise Vision’ System Monitor program

Incoming Event: A status change identified in the fire or security system

Infrastructure: An integrated wireless and wired Local Area Network

Interface: A method of connecting dissimilar entities, such as a control panel, a computer, and an operator

ISP: Internet Service Provider

LAN: Local Area Network

License: An agreement between the owner of software and the user who has purchased the right to use it

Locate Button: The System Watch button that will automatically select a floor plan and locate a device

Maintenance Menu: The Configuration Manager menu used to keep site records current and accurate

Malfunction: Precise Vision constantly monitors system components to ensure that alarms will be reported. A malfunction is usually reported as "Trouble" or "Fault."

MB: Megabyte, or 1 million bytes: A unit of measure used to determine the size of computer information

Menu: A list of program selections

Message Box: A small window with information about your computer

Message Mapping: The Precise Vision process of mapping information from fire and security panels to points and categories that can be displayed

Monitor: The process of reading information from field panels; also, the computer component with a screen, to make viewing that information possible

Mouse: The common device used to select or point to items on computer screens

Next Device Button: The System Watch button used to select the next device in the list, allowing you to view a graphic or read "Take Action" instructions

Next Page Button: The System Watch button used when lists fill more than one screen

Panel: A computer device mounted on a wall to monitor and control devices throughout a facility

Panel Data: Messages communicated from a panel to another computer device to report events and system status

Parity: A communication parameter setting between a panel and a Precise Vision computer that must match

Port: See "COM Ports"

Port Capture: A Precise Vision software program that records data exactly as a panel reports it

Port ID: The name of a communications port, COM1: through COM128:

Previous Device Button: The System Watch button used to select the previous device in the list, allowing you to view graphics or read "Take Action" instructions

Previous Page Button: The System Watch button used when lists fill more than one screen

Print: Sends current window data to the system printer

Processor: The central part of a computer's control system; Pentium processors are the most common

RAM: Random Access Memory; stores and transfers information quickly, but holds data only while the computer is on

Remove Cleared Button: The System Watch button used to remove normal (properly running) devices from the "Active" warning list

Rocketport Card: A circuit board installed in the computer to provide more COM: ports for multiple control panels

RS232/EIA282: RS232 cable is commonly used to connect computers and peripherals. It transmits data according to RS232 data transfer standards. The RS232 standard was renamed the EIA232 standard in the early 1990s.

Run: Activate a software program

Security Alarm: A system device has reported a security breach

Setup Menu: The Configuration Manager menu that will be used for initial installation

Software: Computer information and programs that run inside computer hardware

Start: The Windows menu used to select and start programs

Stop Bits: One of the communication parameters between the Precise Vision computer and a control panel that must match

Supervisory Alarm: Something in the system has been turned off or is not running correctly

SVGA Video Card: The circuit board in the computer that connects to a display screen

System: Equipment and software designed for a particular purpose

System Architecture: The structure and design of a system

System Monitor: The Precise Vision program that reads information from panels and updates the Vision.mdb database

System Watch: The Precise Vision program that displays a color-coded device list and graphics

Take Action Button: A System Watch program button that displays instructions for action in response to reports of "Alarm" or "Trouble"

TCP/IP: Transmission Control Protocol/Internet Protocol, the standard for data transmission over the Internet

Timed Log: A Precise Vision Port Capture setting that creates a file with each line timed to the millisecond it was transmitted

Touchscreen: A computer display screen with a touch-sensitive map that allows users to select items with a touch of a finger instead of a mouse

Trouble: See “Malfunction”

Video Card: See “SGVA Video Card”

WAN: Wide Area Network

Zone: An association of devices that can be named and identified with a unique graphic

This page intentionally left blank

Index

This page intentionally left blank

704 SW 10th Street

P.O. Box 610

Blue Springs, Missouri 64013 U.S.A.

(888) 628-FIKE (3453)

Fax (866) 211-9239

http://www.fike.com