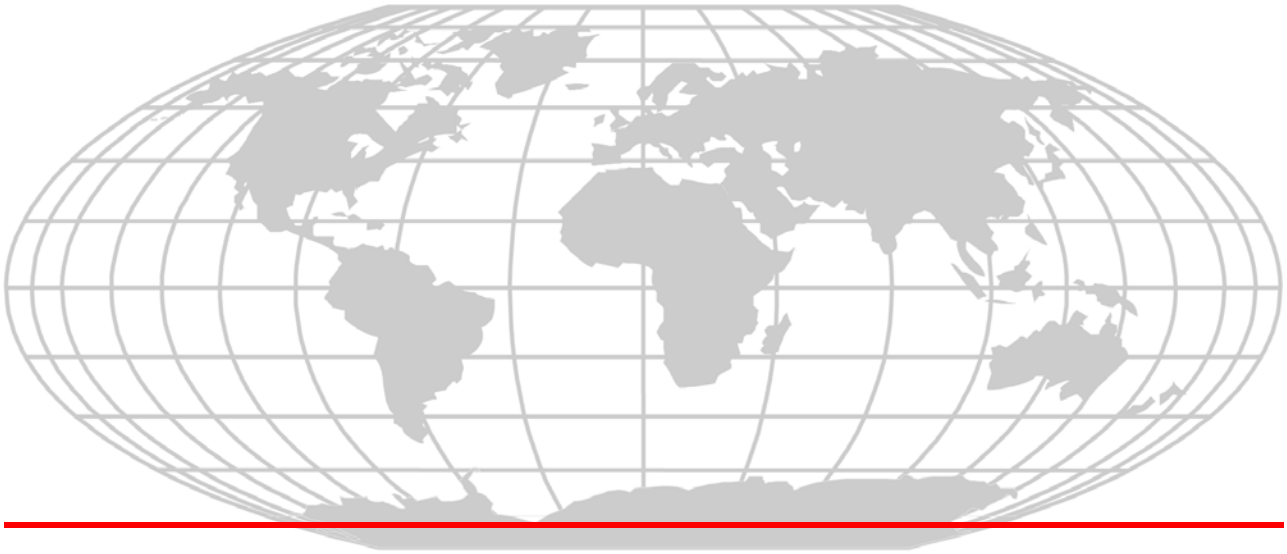
NOTIFIER®
by Honeywell



ONYXWorks® Lite
Configuration Tool

Installation and Operation Manual

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Fire Alarm & Emergency Communication System Limitations

While a life safety system may lower insurance rates, it is not a substitute for life and property insurance!

An automatic fire alarm system—typically made up of smoke detectors, heat detectors, manual pull stations, audible warning devices, and a fire alarm control panel (FACP) with remote notification capability—can provide early warning of a developing fire. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire.

An emergency communication system—typically made up of an automatic fire alarm system (as described above) and a life safety communication system that may include an autonomous control unit (ACU), local operating console (LOC), voice communication, and other various interoperable communication methods—can broadcast a mass notification message. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire or life safety event.

The Manufacturer recommends that smoke and/or heat detectors be located throughout a protected premises following the recommendations of the National Fire Protection Association Standard 72 (NFPA 72), manufacturer's recommendations, State and local codes, and the recommendations contained in the Guide for Proper Use of System Smoke Detectors, which is made available at no charge to all installing dealers. This document can be found at http://www.systemsensor.com/appguides/. A study by the Federal Emergency Management Agency (an agency of the United States government) indicated that smoke detectors may not go off in as many as 35% of all fires. While fire alarm systems are designed to provide early warning against fire, they do not guarantee warning or protection against fire. A fire alarm system may not provide timely or adequate warning, or simply may not function, for a variety of reasons:

Smoke detectors may not sense fire where smoke cannot reach the detectors such as in chimneys, in or behind walls, on roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level or floor of a building. A second-floor detector, for example, may not sense a first-floor or basement fire.

Particles of combustion or "smoke" from a developing fire may not reach the sensing chambers of smoke detectors because:

- Barriers such as closed or partially closed doors, walls, chimneys, even wet or humid areas may inhibit particle or smoke flow.
- Smoke particles may become "cold," stratify, and not reach the ceiling or upper walls where detectors are located.
- Smoke particles may be blown away from detectors by air outlets, such as air conditioning vents.
- Smoke particles may be drawn into air returns before reaching the detector.

The amount of "smoke" present may be insufficient to alarm smoke detectors. Smoke detectors are designed to alarm at various levels of smoke density. If such density levels are not created by a developing fire at the location of detectors, the detectors will not go into alarm.

Smoke detectors, even when working properly, have sensing limitations. Detectors that have photoelectronic sensing chambers tend to detect smoldering fires better than flaming fires, which have little visible smoke. Detectors that have ionizing-type sensing chambers tend to detect fast-flaming fires better than smoldering fires. Because fires develop in different ways and are often unpredictable in their growth, neither type of detector is necessarily best and a given type of detector may not provide adequate warning of a fire.

Smoke detectors cannot be expected to provide adequate warning of fires caused by arson, children playing with matches (especially in bedrooms), smoking in bed, and violent explosions (caused by escaping gas, improper storage of flammable materials, etc.).

Heat detectors do not sense particles of combustion and alarm only when heat on their sensors increases at a predetermined rate or reaches a predetermined level. Rate-of-rise heat detectors may be subject to reduced sensitivity over time. For this reason, the rate-of-rise feature of each detector should be tested at least once per year by a qualified fire protection specialist. Heat detectors are designed to protect property, not life.

IMPORTANT! Smoke detectors must be installed in the same room as the control panel and in rooms used by the system for the connection of alarm transmission wiring, communications, signaling, and/or power. If detectors are not so located, a developing fire may damage the alarm system, compromising its ability to report a fire.

Audible warning devices such as bells, horns, strobes, speakers and displays may not alert people if these devices are located on the other side of closed or partly open doors or are located on another floor of a building. Any warning device may fail to alert people with a disability or those who have recently consumed drugs, alcohol, or medication. Please note that:

- An emergency communication system may take priority over a fire alarm system in the event of a life safety emergency.
- Voice messaging systems must be designed to meet intelligibility requirements as defined by NFPA, local codes, and Authorities Having Jurisdiction (AHJ).
- Language and instructional requirements must be clearly disseminated on any local displays.
- Strobes can, under certain circumstances, cause seizures in people with conditions such as epilepsy.
- Studies have shown that certain people, even when they hear a fire alarm signal, do not respond to or comprehend the meaning of the signal. Audible devices, such as horns and bells, can have different tonal patterns and frequencies. It is the property owner's responsibility to conduct fire drills and other training exercises to make people aware of fire alarm signals and instruct them on the proper reaction to alarm signals.
- In rare instances, the sounding of a warning device can cause temporary or permanent hearing loss.

A life safety system will not operate without any electrical power. If AC power fails, the system will operate from standby batteries only for a specified time and only if the batteries have been properly maintained and replaced regularly.

Equipment used in the system may not be technically compatible with the control panel. It is essential to use only equipment listed for service with your control panel.

Telephone lines needed to transmit alarm signals from a premises to a central monitoring station may be out of service or temporarily disabled. For added protection against telephone line failure, backup radio transmission systems are recommended.

The most common cause of life safety system malfunction is inadequate maintenance. To keep the entire life safety system in excellent working order, ongoing maintenance is required per the manufacturer's recommendations, and UL and NFPA standards. At a minimum, the requirements of NFPA 72 shall be followed. Environments with large amounts of dust, dirt, or high air velocity require more frequent maintenance. A maintenance agreement should be arranged through the local manufacturer's representative. Maintenance should be scheduled as required by National and/or local fire codes and should be performed by authorized professional life safety system installers only. Adequate written records of all inspections should be kept.

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Installation Precautions

Adherence to the following will aid in problem-free installation with long-term reliability:

WARNING - Several different sources of power can be connected to the fire alarm control panel. Disconnect all sources of power before servicing. The control unit and associated equipment may be damaged by removing and/or inserting cards, modules, or interconnecting cables while the unit is energized. Do not attempt to install, service, or operate this unit until this manual is read and understood.

CAUTION - System Reacceptance Test after Software Changes. To ensure proper system operation, this product must be tested in accordance with NFPA 72 after any programming operation or change in site-specific software. Reacceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring.

All components, circuits, system operations, or software functions known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

This system meets NFPA requirements for operation at 0°C to 49°C (32°F to 120°F) and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and all peripherals be installed in an environment with a nominal room temperature of 15-27° C/60-80° F.

Verify that wire sizes are adequate for all initiating and indicating device loops. Most devices cannot tolerate more than a 10% I.R. drop from the specified device voltage.

Like all solid state electronic devices, this system may operate erratically or can be damaged when subjected to lightning-induced transients. Although no system is completely immune from lightning transients and interferences, proper grounding will reduce susceptibility. Overhead or outside aerial wiring is not recommended, due to an increased susceptibility to nearby lightning strikes. Consult with the Technical Services if any problems are anticipated or encountered.

Disconnect AC power and batteries prior to removing or inserting circuit boards. Failure to do so can damage circuits.

Remove all electronic assemblies prior to any drilling, filing, reaming, or punching of the enclosure. When possible, make all cable entries from the sides or rear. Before making modifications, verify that they will not interfere with battery, transformer, and printed circuit board location.

Do not tighten screw terminals more than 9 in-lbs. Over-tightening may damage threads, resulting in reduced terminal contact pressure and difficulty with screw terminal removal.

Though designed to last many years, system components can fail at any time. This system contains static-sensitive components. Always ground yourself with a proper wrist strap before handling any circuits so that static charges are removed from the body. Use static-suppressive packaging to protect electronic assemblies removed from the unit.

Follow the instructions in the installation, operating, and programming manuals. These instructions must be followed to avoid damage to the control panel and associated equipment. FACP operation and reliability depend upon proper installation by authorized personnel.

FCC Warning

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause interference to radio communications. It has been tested and found to comply with the limits for class A computing devices pursuant to Subpart B of Part 15 of FCC Rules, which is designed to provide reasonable protection against such interference when devices are operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user will be required to correct the interference at his or her own expense.

Canadian Requirements

This digital apparatus does not exceed the Class A limits for radiation noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la classe A prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

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- Page number and paragraph
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Please Note: If you have any technical issues, please contact Technical Services.

Manual Usage

This manual is written with the understanding that the user has been trained in the proper operations and services for this product. The information provided in this manual is intended to assist the user by describing the configurations and how they affect operations.

Table of Contents

Section 1 About This Manual 7
1.1: Manual Conventions 7
1.1.1: Notes, Cautions, and Warnings 7
1.1.2: Procedures 7
1.1.3: Referencing Other Documents 7
1.2: Related Documentation 8

Section 2 Configuration Tool Usage Preparation 9
2.1: Configuration Tool Overview 9
2.2: Section Overview 9
2.3: Configuration Tool Operation Descriptions 10
2.3.1: Starting the Configuration Tool 10
2.3.2: Importing a Database to Edit 10
2.3.3: Exiting the Configuration Tool 10
2.4: System Database Background Creation 11

Section 3 System Configuration 13
3.1: Overview 13
3.1.1: Database Creation Overview 13
3.2: Database Object Editing 14
3.2.1: Section Overview 14
3.2.2: Edit Object Window 15
3.2.3: Adding a Screen Title and Background 16
3.2.4: Adding a Navigation Icon 18
3.2.5: Configuring Macro Commands 19
3.2.6: Adding a Macro Button 21
3.2.7: Adding an Information Label 22
3.2.8: Adding a Screen with Its Point Icons 23
3.2.9: Adding Point Icons 24

Section 4 Configuration Tool Functions 27
4.1: Network Configuration 27
4.1.1: Network Architecture 27
4.1.2: Network Configuration Window Right-click Menu Options 28
4.2: System Options 28
4.2.1: Icon Set 29
4.2.2: Operating Mode 29
4.2.3: System Name 30
4.2.4: Time Server Settings 30
4.2.5: Audio Multicast IP 30
4.2.6: Require Confirmation 30
4.2.7: Mass Notification Priority 31
4.3: Screen Objects 31
4.4: Colors and Sounds 32
4.4.1: Configuring Event Color Settings 32
4.4.2: Configuring Event Sound Settings 33
4.5: Launch Database Editor 34
4.5.1: Right-click Options 34
4.5.2: Additional Features 34
4.6: Administrator Log In Configuration 35
4.6.1: Factory Defined User Profiles and their Passwords 35
4.6.2: Changing a User Password 35
4.7: User Configuration 37
4.7.1: User Definitions 37
4.7.2: User Permissions 37

4.7.3: Point Controls 37
4.7.4: User Security Options 38
4.7.5: User Additions and Modifications 39
4.7.6: User Access to Workstation Keyboard Shortcuts 39
4.8: Monitoring Profile Configuration 40
4.8.1: Overview 40
4.8.2: Adding a New Monitoring Profile 40
4.8.3: Copying a Monitoring Profile 41
4.8.4: Removing a Monitoring Profile 41

Section 1 About This Manual

1.1 Manual Conventions

NOTE: In this document, unless expressly written otherwise, when the term “ONYXWorks Lite Workstation” or “workstation” is used, those terms refer to the software application and the computer it is installed on as one.

1.1.1 Notes, Cautions, and Warnings

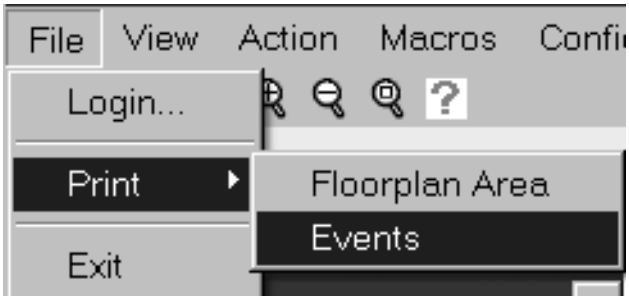
This manual contains notes, cautions, and warnings to alert the reader as follows:

NOTE: Supplemental information for a topic, such as tips and references.

CAUTION: Summary in bold
Information about procedures that could cause programming errors, runtime errors, or equipment damage.

WARNING: Summary in bold
Indicates information about procedures that could cause irreversible equipment damage, irreversible loss of programming data or personal injury.

1.1.2 Procedures



Example Text: Main Menu select **File >Print >Events**.

The graphic above is represented in the Example Text. All selections, fields, buttons, and screen titles are spelled (upper/lower case) exactly as they appear on the display.

1.1.3 Referencing Other Documents

Italic text is used to reference a document by its specific name.

Example: Refer to the *ONYXWorks Lite Installation and Operation* manual.

1.2 Related Documentation

The following is a list of documentation resources related to the ONYXWorks Lite system.

- ONYXWorks Lite *Workstation Installation and Operation Manual (P/N LS10050-003NF-E)*



NOTE: The contents of this manual are important and must be kept in close proximity of the workstation. If building ownership is changed, this manual including all other testing and maintenance information must also be passed to the current owner of the facility. A copy of this manual was shipped with the equipment and is also available from the manufacturer.

Section 2 Configuration Tool Usage Preparation

2.1 Configuration Tool Overview

The ONYXWorks Lite Configuration Tool is used to customize the workstation's graphical user interface (GUI) to display your building's facilities monitoring system. An authorized event responder will use your customized GUI to identify the location of, and respond to, an event that workstation annunciates.

After modifying a workstation GUI design with the Configuration Tool, verify it is correctly displayed on the workstation.

NOTE: When using the Configuration Tool on a separate PC from the active workstation, use the same CD to install the software suite.

2.2 Section Overview

These are the Configuration Tool tasks that are done before you can modify the system's database.

- "Configuration Tool Operation Descriptions" on page 10.
- "System Database Background Creation" on page 11.

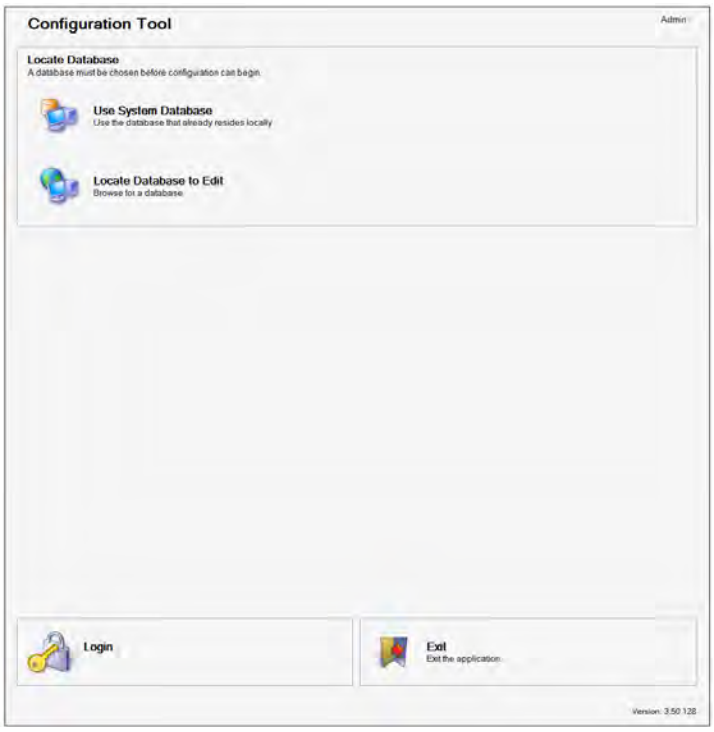
NOTE: All procedures are written with the assumption that your PC mouse clicking operations use default settings for left and right mouse clicks.

2.3 Configuration Tool Operation Descriptions

2.3.1 Starting the Configuration Tool

The installation program has added an entry for the Configuration Tool (**Windows > Start > All Programs > Facilities Monitoring > Configuration Tool**).

2.3.2 Importing a Database to Edit



Option	Definition
Use System Database	Only use this function to open and edit the database that already resides on the Configuration PC. Refer to "Database Object Editing" on page 14 for more information
Locate Database to Edit	Only use this function to open a database that resides some place other than the one that currently resides on the Configuration PC. Refer to "Database Object Editing" on page 14 for more information.
Login	Use to log into and out of the workstation software application.
Exit	Exit the Configuration Tool.

Figure 2.1 Configuration Tool Initial Launch Screen

2.3.3 Exiting the Configuration Tool

Exiting is linked with saving in the Configuration Tool when it is running on a workstation that is monitoring the ONYXWorks Lite system. The tool always requires you to exit the application and then respond to the Save changes prompt with a:

- Click on the **Yes** button to update the database the workstation will use.
- Click on the **No** button to NOT update the database the workstation will use and discard the changes.

2.4 System Database Background Creation

It is highly recommended that you create graphic background drawings (i.e. floor plans displayed as a background for a system screen) before you start creating the system design with the Configuration Tool. Refer to "Adding a Screen Title and Background" on page 16.

You will need a graphic editing program for creating and or resizing the graphics backgrounds. Use the Configuration Tool to add the raster or vector files that you created or modified using your graphic software application. The better the resolution of the background in the Configuration Tool, the better the resolution on the workstation.

The supported graphic formats that can be added as a background are these vector and raster file formats.

Vector Files

Windows® Enhanced Metafile Format (.EMF) and Windows® Meta Files (.WMF) file types can be imported into the Configuration Tool. Those file types typically degrade less in visual display quality than a raster file. EMF files can only be used as backgrounds.

Raster Files

Bit Map (.BMP), Graphic Image Format (.GIF), and Joint Photographic Experts (.JPG) files types can be imported into the Configuration Tool. However, those files types degrade more in visual display quality than a raster file, especially when using the workstation's zoom functionality.



NOTE: The graphic file that will be imported cannot have a read only attribute.

Section 3 System Configuration

3.1 Overview

The procedures in this section are a suggested method for organizing the facilities monitoring system database, using the Configuration Tool, into a design to be displayed on a workstation. Some steps can be performed before others, as their order is not always essential to completing the new system design.



NOTE: Review Section 2, “Configuration Tool Usage Preparation” before starting the following procedures.

3.1.1 Database Creation Overview



NOTE: The workstation must be logged into before any of its settings can be configured. A user that has the “Admin” security level can log in to configure settings or change existing settings. Information in this document is written assuming that an Administrator is performing the procedures.

A workstation should be added to the system by the Administrator. For the purposes of this manual, it is assumed that the database modified in the Configuration Tool was originally created using the procedures in the *ONYXWorks Lite Workstation Manual* (LS10050-000-E).

3.2 Database Object Editing

3.2.1 Section Overview

The information in this section includes the following:

- "Edit Object Window" on page 15.
- "Adding a Screen Title and Background" on page 16.
- "Adding a Navigation Icon" on page 18.
- "Configuring Macro Commands" on page 19
- "Adding an Information Label" on page 22.
- "Adding a Screen with Its Point Icons" on page 23.
- "Adding Point Icons" on page 24.



NOTE: After completing any procedure in this section, select **File > Exit** in the main menu to return to the Configuration Tool main window.

3.2.2 Edit Object Window

The procedures in this section refer to the Configuration Tool's Edit Object window areas as indicated in Figure 3.1.

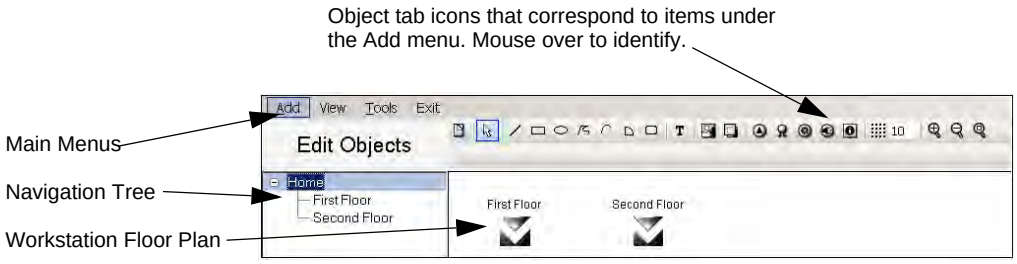


Figure 3.1 Edit Objects Window

Tools Menu

■ Autocreate Points

Refer to "Database Creation Overview" on page 13 for information.

■ Macro Editor

Refer to "Configuring Macro Commands" on page 19 for information.

View Menu

The selections under this menu determine which description will be displayed by each point icon in the workstation floor plan area.

- **Show Alias** - display names entered into Title and Caption fields
- **Show Address** - display ID of each point
- **Show None** - display no descriptions.

Graphics Additions to a Screen

The Configuration Tool includes a number of tools for creating vector-based graphics that only reside on the screen to which they are added. The graphics tool bar (see Figure 3.2) is context-aware, meaning that the bottom row of toolbar options changes to suit the tool selected on the top line. The tools can be identified by a mouse-over.



Figure 3.2 Edit Objects - Graphics Toolbar

3.2.3 Adding a Screen Title and Background

1. On the Configuration Tool main window, click the **Screen Objects** icon. The Edit Object window displays (see Figure 3.1).
2. Navigate to the desired screen.
3. Right-click the screen name and then select **Properties** from the list of choices. The Screen Properties window displays (see Figure 1).
4. Enter a name for the screen in the **Title** field.
5. Select a background for the screen.
   a. Click the **Select** button in the Background area of the window. An Open window displays.
   b. Use the Open window to browse to, and then double-click, the file to use as the floor plan background for the screen. The background displays in the Background preview area.
6. Click **OK**. The title displays in the navigation tree and the background displays in the workstation floor plan area.
7. To delete an existing background, select the screen, right-click it for its properties, and then click the background's **Clear** button.
8. Repeat the steps in this procedure until the backgrounds for all the screens have been named and added. At this time it is recommended to position icons and arrange the screens. Refer to "Point Icon Locations and Screen Arrangement" on page 17.
9. To add navigational icons, perform the "Adding a Navigation Icon" on page 18.

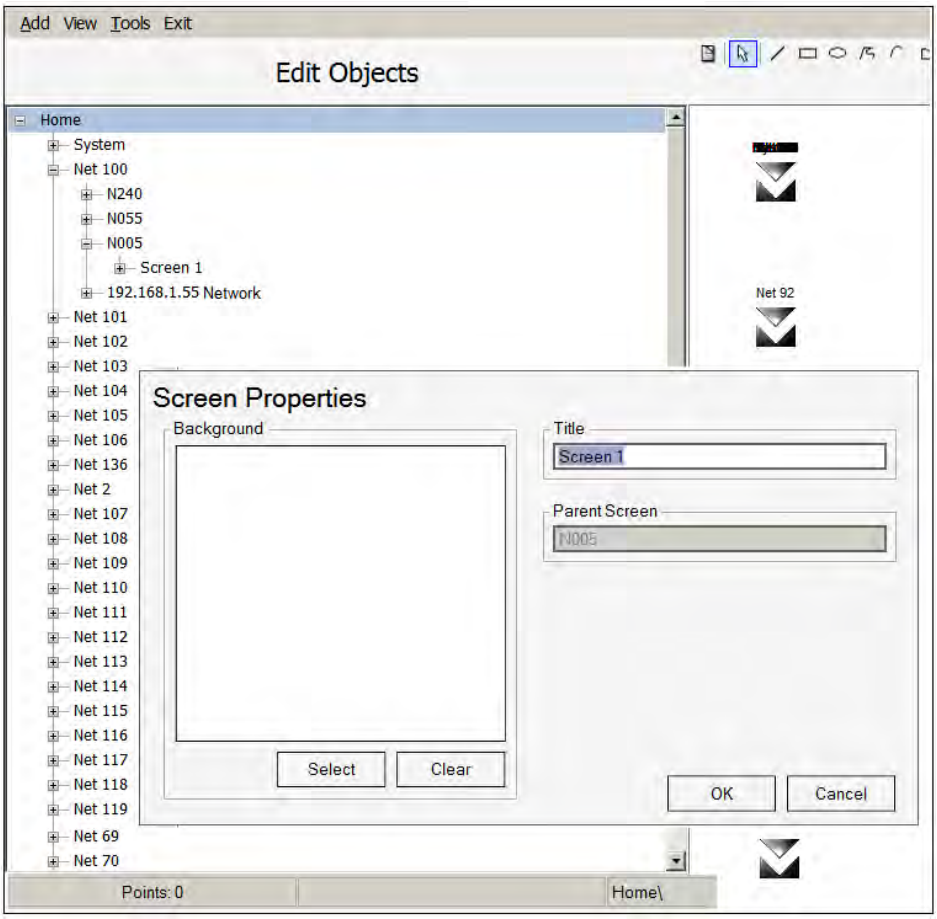


Figure 3.3 Screen Properties Window

Point Icon Locations and Screen Arrangement

After naming and selecting backgrounds for the screens created during the auto-creation process, all the point icons should be repositioned in their correct locations. Click and drag all icons into position.

Screens can be rearranged at any time, making one screen a child of another screen, or promoting a child screen to a parent screen. A screen with a child screen is considered to be a parent screen; a parent screen can have many child screens.

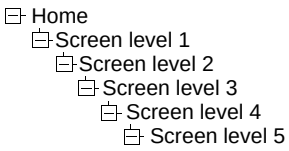
To organize the screens:

1. In the navigation tree, click and drag the screen to the desired location. A bold line indicates where the screen will be inserted. The navigation tree updates and the screen is displayed as a child of the parent screen.
2. Repeat until the desired hierarchy is created.



NOTE: If a screen is moved into an incorrect position in the navigation tree, it must be moved to its correct location. No undo command is available.

Parent >Child Hierarchy Limitation - There are six levels that can be used:



3.2.4 Adding a Navigation Icon

1. In the Edit Objects navigation tree, select the screen on which the navigation icon is to be added.
2. From the main menus, select **Add >Navigation Icon**.
3. Enter a caption for the navigation icon in the Caption field.
4. From the list of screens, select the screen to which the navigation icon will navigate.
5. Select a graphic to represent the navigation icon:
   a. Click within the Icon area of the window. An Open window displays.
   b. Browse to and then double-click the file to represent the navigation icon. The icon displays in the icon preview area.
6. Click **OK**. The caption and the icon display in the workstation floor plan area.
7. Repeat the steps in this procedure until all of the desired icons have been added.
8. To add Macro buttons, perform the "Configuring Macro Commands" on page 19.

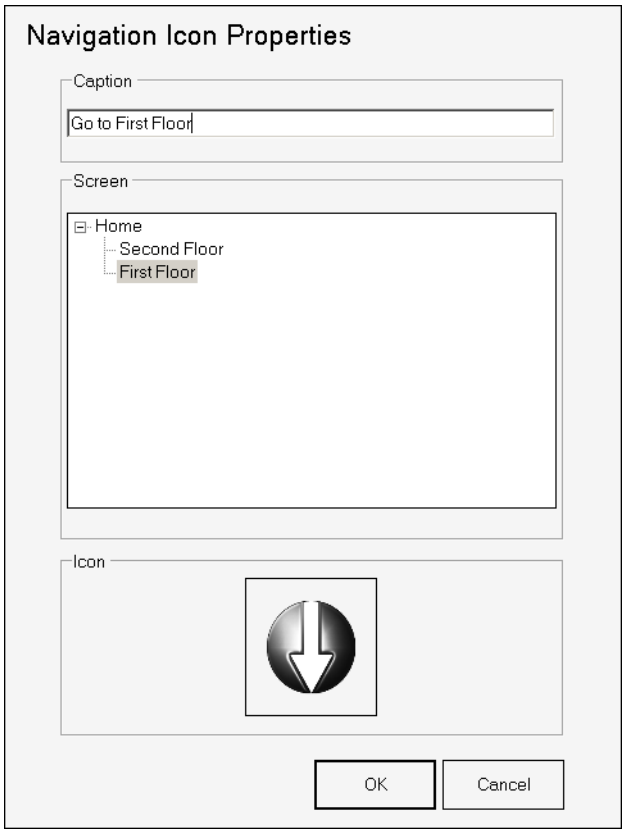


Figure 3.4 Navigation Icon Window

3.2.5 Configuring Macro Commands

NOTE: Creating these settings is optional and they do not need to be made for the workstation to function properly.

Macro Commands Overview

Macros are created and edited on the Screen Objects window (see Figure 3.1). Macro Editor is accessed by going to **Tools** > **Macro Editor**.

A macro command is created and defined, then it is activated in one of two ways:

- Click the macro button in the floor plan area.
- Choose the macro from the macro menu in the workstation.

The Administrator creates a macro command by naming it and assigning it a macro command. That macro command's menu list of choices is contingent on the gateway type, point, and node type that is selected.

Macro Creation and Management

The Macro List and Macro Options areas of the Macro Editor window (Figure 3.5) have icons (with mouse over hints) that are used to create and or manage macros.

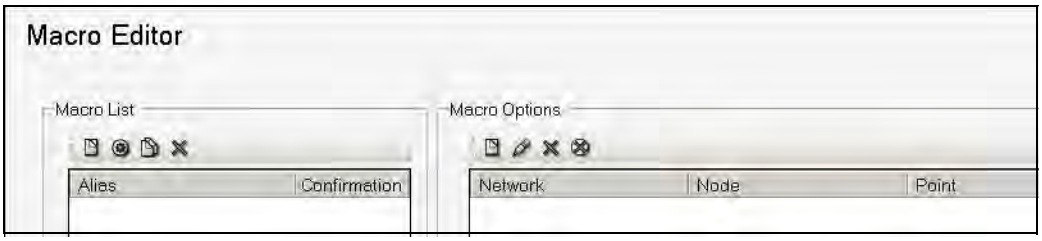


Figure 3.5 Macro Editor Window

■ Creating a Macro

1. Click the **Add Macro** icon in the Macro List portion of the window. The Macro Properties window (see Figure 3.6) displays.
2. Enter a unique name in the Name field.
3. Check the Require Confirmation check box if the macro requires a confirmation before it is run.
4. Click **OK**.
5. Click the **Add Option** icon in the Macro Options portion of the window to add a new option. The Macro Option Properties window (see Figure 3.6) displays.
6. Set up the macro's options using the drop down lists:
   a. Select a network.
   b. Select a node.
   c. Select a point.
   d. Select an action.
   e. Click **OK**.
7. Click **Exit**.
8. To add an on-screen button which activates the macro, refer to "Adding a Macro Button" on page 21.

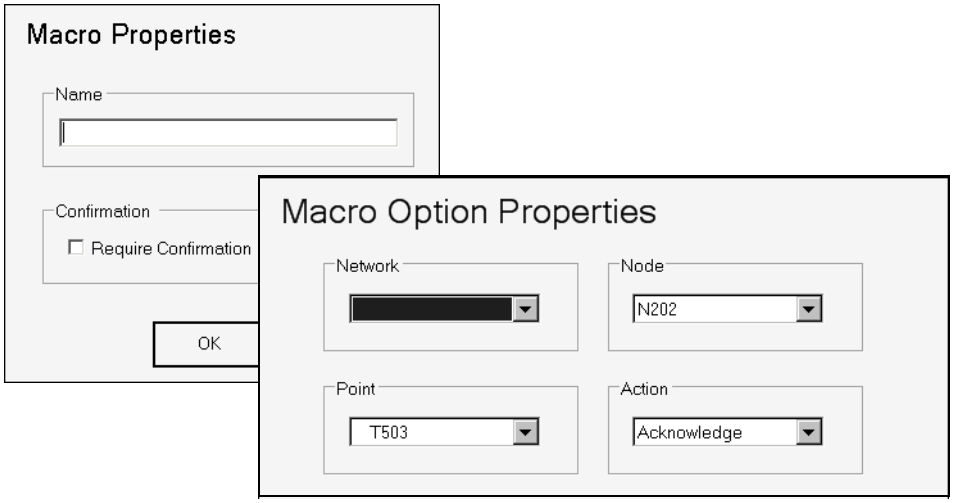


Figure 3.6 Macro Properties Windows

3.2.6 Adding a Macro Button

NOTE: A macro command must be created before adding a Macro Button icon.

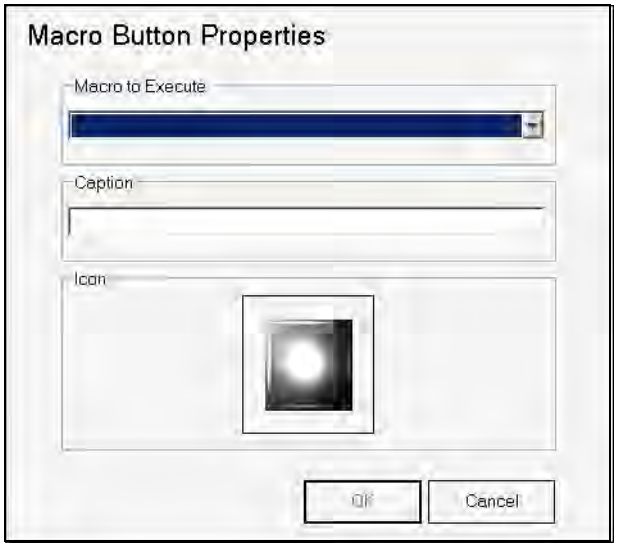


Figure 3.7 Macro Button Properties Window

1. Create the macro command to execute so it will display in the Macro to Execute field (refer to "Configuring Macro Commands" on page 19 for information).
2. In the Edit Objects navigation tree, select the screen on which to add the macro button.
3. From the main menus, select **Add >Macro Button**. The Macro Button Properties window displays (see Figure 3.7).
4. Enter a caption for the macro button in the Caption field.
5. Select a graphic to represent the macro button:
   a. Click the current button image in the Icon field. The Open window displays.
   b. Browse to and then double-click the desired icon. The icon displays in the icon preview area.
   c. Click **OK**.
6. Click the **Macro to Execute** field down-arrow and select a previously defined macro from the list of choices.
7. Click **OK**. The caption label and icon display in the workstation floor plan area.
8. Repeat the steps in the procedure until all desired macro buttons have been added.
9. To add information labels, perform the "Adding an Information Label" on page 22.

3.2.7 Adding an Information Label

1. In the Edit Objects navigation tree, select the screen on which to add the information label.
2. From the main menu, select **Add >Information Label**. The Information Label Properties window displays (see Figure 3.8).
3. Enter a caption for the information label in the Caption field.
4. Select a graphic to represent the information label:
   a. Click the current image of the information label. An Open window displays.
   b. Browse to and then double-click the desired icon. The icon displays in the icon preview area.
5. Select a linked media for the information label (refer to below). Click the Browse button then double-click the media type that is supported for the field. The name of the file displays in the Linked Media field.
6. Click **OK**. The caption label and icon display in the workstation floor plan area.
7. Repeat the steps in the procedure until all desired information labels have been added.

Supported Linked Media Formats

When any of the following file types are linked to a point, they can be displayed or activated by selecting them from a point's right-click options menu. Points with linked files are identified with an asterisk next to the point's icon.

- **Text** - *.txt or *.rtf file.
- **Image** - *.bmp, *.jpg, *.gif, or *.wmf file.
- **Audio** - *.wav file.
- **Video** - *.avi file.

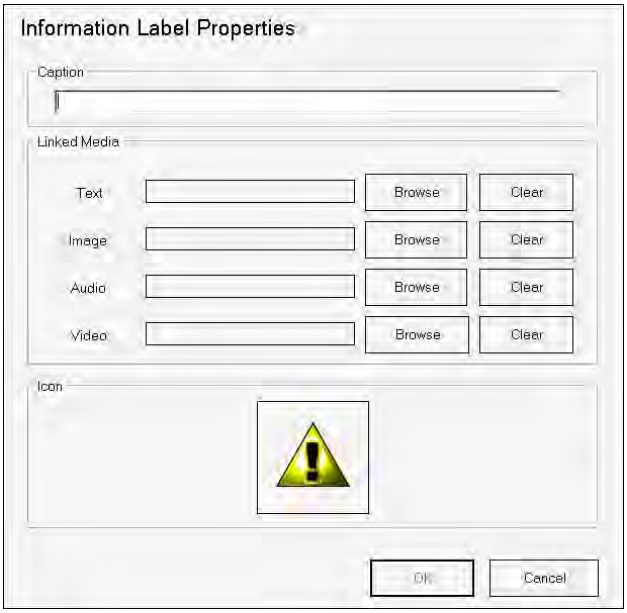


Figure 3.8 Information Label Properties Window

3.2.8 Adding a Screen with Its Point Icons

It may be necessary to add a screen. For example, the auto-creation process randomly adds point icons to screens and since only 64 point icons can be added to one screen, the auto-creation process might have exceeded 64 points and another screen was created. Therefore, the screen hierarchy and/or the desired point groupings on those screens may not be correct.

Add a screen and its points as follows:

1. In the Edit Objects navigation tree, navigate to the screen below which the new screen will be added.
2. From the main menus, select **Add >Screen**. The Screen Properties window displays (see Figure 3.9).
3. Enter a name for the screen in the Title field.
4. Select a background for the screen:
   a. Click the **Select** button in the Background area of the window. An Open window displays.
   b. Browse to and then double-click the file to use as floor plan background for the screen. The background displays in the Background preview area.
5. Click **OK**. The screen title displays in the navigation tree and the background displays in the workstation floor plan area.
6. Navigate to the screen that has the point icons to be copied to the new screen.
7. Click the point icon or press and hold down the Ctrl key and select multiple icons.
8. Right-click a point icon and select **Cut** from the list of choices.
9. Navigate to the screen on which the icons are to be placed. Right-click the floor plan and select **Paste**. The point icons display in the workstation floor plan area.
10. Position the point icons over the floor plan background.
11. Repeat the steps until the point icons are in the correct screen locations.

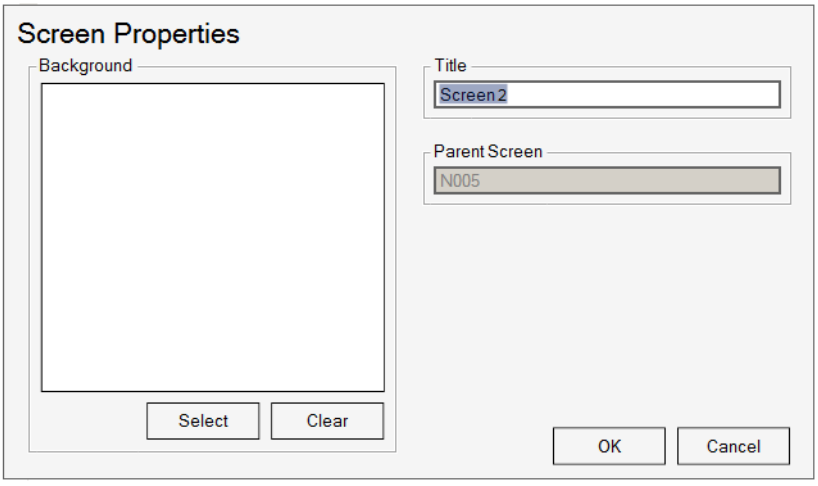


Figure 3.9 Screen Properties Window

3.2.9 Adding Point Icons

Follow the steps below to manually add a point icon.

1. In the Edit Objects navigation tree, select the screen on which the new point icon is to be added.
2. From the main menus, select **Add >Point**. The Point Properties window displays (see Figure 3.10).
3. Enter a unique name for the icon in the Point Alias field.
4. Enter a description for the icon in the Point Description field.
5. Click the Network field down-arrow and select a previously defined network from the list of choices. The Node field displays information.
6. Click the Node field down-arrow and select a previously defined node from the list of choices.
7. Enter the exact point ID from the panel into the Point field.
8. Select whether to Autonavigate on the point if an off normal event occurs for it.
9. Click the Category field down-arrow and select a previously defined category from the list of choices.
10. Click the Type field down-arrow and select a previously defined type from the list of choices.
11. If necessary, click the icon in the Icon field and choose a different icon to represent the point.
12. Click **OK**.
13. Repeat the steps until all desired point icons are added.

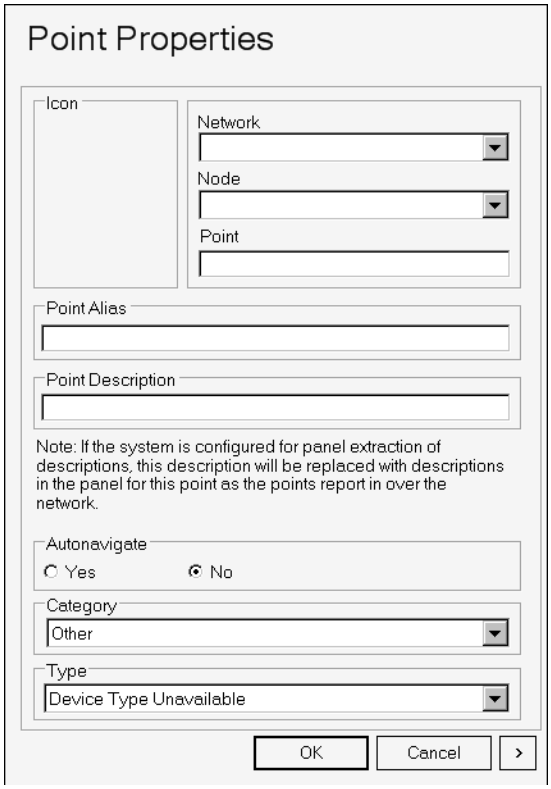


Figure 3.10 Point Properties Window

Selecting Point Icon Status Class Display and Linked Media

Configuration Tool allows a different icon to be displayed for each status class of the point (i.e. normal, fire, pre-alarm, security, supervisory, trouble, disable, or other). When a condition is reported, the icon selected for the corresponding status class is displayed (different icon, defined status class color). In addition, each point's status class can also be linked to a media file (text, image, audio, or video) that plays when the workstation auto-navigates to that point during an event. These features are configured as follows:

1. In the Edit Objects screen, right-click on the point icon and select **Properties**. The Point Properties window displays.
2. Click the arrow next to the Cancel button. The window expands (see Figure 3.11).
3. To set different icons for each status class:
   a. Click the icon in the status class area of the window. An Open window displays.
   b. Browse to and then double-click the file to use as the icon for the point. The icon for that status class displays.
4. To link a media file to the point:
   a. Click the Path field for the desired media type in the status class area of the window. An Open window displays.
   b. Browse to and then click the media file to use for the point. The media file for that status class displays.
   c. If the media file is to automatically activate when an event occurs, check the **AutoActivate** check box.
   d. To set a point's linked media to the same setting for all status classes, click **Apply To All**.
5. When finished, click **OK**.

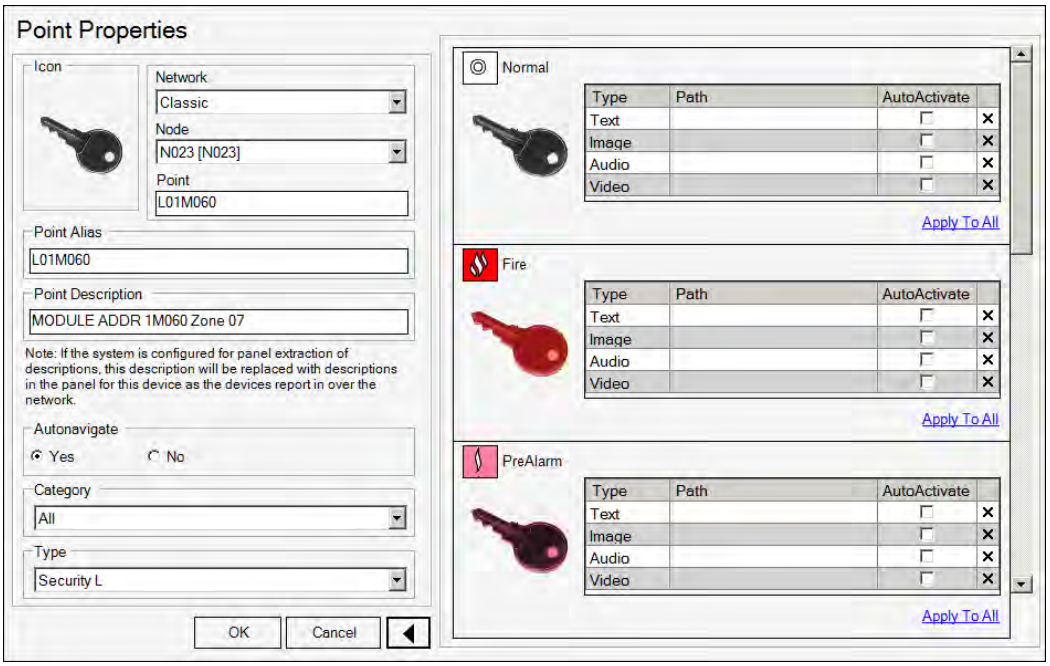


Figure 3.11 Point Properties Icon and Media File Assignment

■ Point Icon Selection Folder Location

The **C:\FacilitiesMonitoring\Data\Configuration Tool\System\Devices** folder contains image files (used for devices such as detectors) and is the folder that displays when the icon in the Icon field is clicked.

■ Point Linked Media Selection Folder Locations

Text Selection The **C:\FacilitiesMonitoring\Data\Configuration Tool\System\Documents** folder contains example text files and is the folder that displays when the Text Path field is clicked.

Image Selection The **C:\FacilitiesMonitoring\Data\Configuration Tool\System\Images** folder contains images files (not used for devices such as detectors) and is the folder that displays when the Image Path field is clicked.

Audio Selection The **C:\FacilitiesMonitoring\Data\Configuration Tool\System\Sounds** folder contains sound files and is the folder that displays when the Audio Path field is clicked.

Video Selection The **C:\FacilitiesMonitoring\Data\Configuration Tool\System\Videos** folder contains an example video file and is the folder that displays when the Video Path field is clicked.

Section 4 Configuration Tool Functions

4.1 Network Configuration

4.1.1 Network Architecture

The following figure shows an example network.

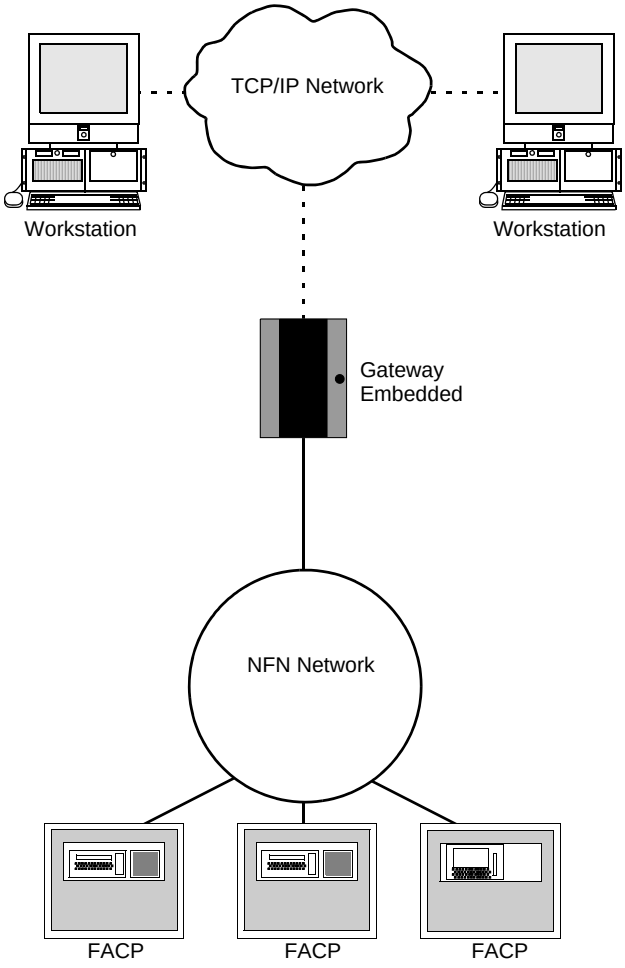


Figure 4.1 Example - Basic NFN Network

4.1.2 Network Configuration Window Right-click Menu Options

In the Network Configuration window's navigation tree, a label can be right-clicked to reveal a list of the following commands:

Table 4.1 Network Configuration Right-click Menu Options

Label Type	Option	Description
Network	**Add Node**	Click the network label to add a node to the network. Select the node type from a list of choices and enter the IP address of that node.
	Import Panel Database	Click to allow the import of a Verifire database. Any nodes and points in the database will be auto-created on the network.
Network and Node	**Rename**	Allows the network or node alias to be changed from the navigation tree. This is equivalent to replacing the network alias in the Network Properties window or node alias in the Node Properties window.
	Delete	Deletes the selected network. A confirmation prompt displays allowing cancellation of the command.
	Properties	Use to change the network alias name.
Node		Opens the Migrate Node window where a node can be moved to another network and/ or assigned a new node number.
Gateway		• "The PC cannot connect to the gateway's IP address. • "The gateway is not running. • "The gateway is a PC gateway running on another workstation PC. Only PC gateways or embedded gateways running on the same workstation PC can be accessed.

4.2 System Options

NOTE: All workstations have default System Options selections set depending upon the type of workstation ordered.

Clicking on the System Options button on the Configuration Tool main screen displays the window shown in Figure 4.2. Screen features are described in subsequent paragraphs.

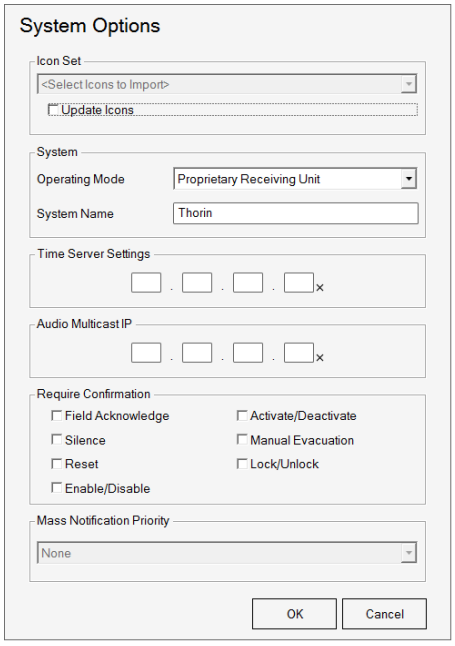


Figure 4.2 System Options Window

4.2.1 Icon Set

Icon Set Selection

1. Check the **Update Icons** check box to activate the Icon Set field.
2. Click on the Icon Set field's down-arrow and select an icon set from the list.
3. Click **OK**.
4. Exit the Configuration Tool and click **Yes** to the Save Changes prompt to update the workstation.

Custom Icon Creation and Selection

If a custom icon set is created that is missing a required icon (e.g. smoke detector) then the points that require that type of icon will not be displayed. Follow the steps below to avoid this undesirable behavior:

1. Create the custom icons with a graphic software application (256 x 256 PNG file formats are highly recommended). Give each a unique filename.
2. Auto-create the points on the workstation (refer to the heading, "Auto-creating Gateway Point IDs" in the workstation manual).
3. Copy and paste the custom icon files into the appropriate C:\FacilitiesMonitoring\Data\System folder on the workstation:
   - **Devices** - for auto-created points
   - **Buttons** - for Navigation Icons, Audio Buttons
   - **Labels** - for information labels
4. Launch the Configuration Tool.
5. Proceed as follows:
   - For a limited number of points, use the Configuration Tool's Screen Objects function to select each point's custom icon (refer to "Database Object Editing" on page 14).
   - For a large number of points, go to Step 6.
6. Open the spreadsheet editor feature by clicking **Database Editor** (refer to "Launch Database Editor" on page 34).
7. Right-click the desired icon heading on the spreadsheet and select **Sort ASCending**.
8. Find and double-click the name of the first current icon that is to be replaced by the custom icon. A Windows Open file dialog window displays.
9. Double-click the desired custom icon. The icon filename in the spreadsheet changes to the name of the custom icon.
10. Copy the spreadsheet cell (Ctrl+C), highlight the icon column cells in the spreadsheet where it is to be copied, and paste it (Ctrl+V).
11. Clicking **File > Exit**. The Configuration Tool main screen displays.
12. Click **Exit** and then click **OK** to save the changes.

4.2.2 Operating Mode

ONYXWorks Lite operates only in the Protected Premises Control Unit (PPCU) mode. The full ONYXWorks system supports other operating modes. For more information, refer to the *ONYXWorks Workstation Installation and Operation Manual* (PN LS10050-000NF-E).

4.2.3 System Name

Upon initial start-up, a randomly assigned system name appears in the field. The Administrator should assign a unique name (20 characters maximum, case sensitive) for the system. In order for the workstation to connect to a gateway, the system name configured here must match the system name configured on the gateway.

4.2.4 Time Server Settings

Assigning a time server is optional. The IP Address fields for Time Server Settings are empty by default. If these fields are not populated, the workstation will operate without making any attempt to synchronize its time with any server.

This field is used to enter the IP address of the server that is used to synchronize the ONYXWorks Lite system time.



NOTE: If the workstation's Windows time zones or daylight saving settings are changed, all the ONYXWorks Lite applications must be restarted.

4.2.5 Audio Multicast IP

Does not apply to ONYXWorks Lite.

4.2.6 Require Confirmation

Checking a check box causes a confirmation prompt to be displayed before the action is performed.

4.2.7 Mass Notification Priority

Higher than Fire - Mass Notification Events have a higher priority than Fire.

Lower than Fire - Mass Notification Events have a lower priority than Fire.

None - No Mass Notification.

4.3 Screen Objects

Refer to "Database Object Editing" on page 14 for information.

4.4 Colors and Sounds

NOTE: Making these settings is optional and they do not need to be made for the workstation to function properly.

4.4.1 Configuring Event Color Settings

NOTE: Colors different from the default values may not be compliant with UL/ULC standards.

The color configuration function allows the point icons, alarm summary icons, and alarm indicators on the workstation screen to display custom colors. Each event type may have a custom color assigned to it.

New Color for an Event Type Selection

1. Click on the colored rectangle next to the event type. The Color window displays (see Figure 4.3).
2. Click one of the pre-defined basic colors or click the **Define Custom Colors** button to select a customized color.
3. Click **OK** in the Color window.
4. Click **OK** in the Color and Sound Configuration window to return to the Configuration Tool main screen.
5. Click **Exit** and then click **OK** to save the changes.

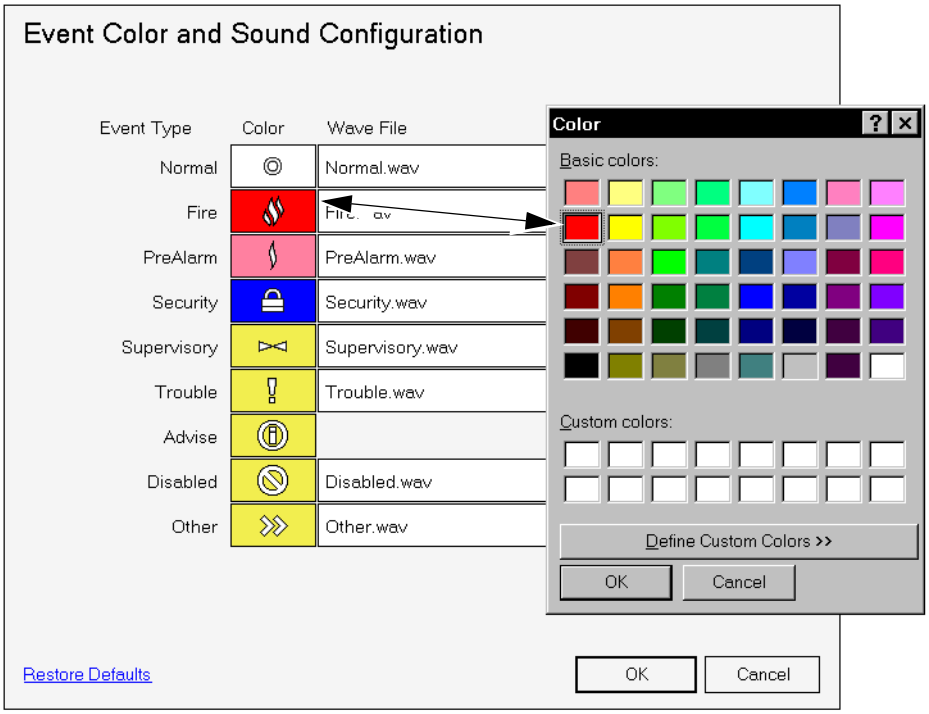


Figure 4.3 Event Color Configuration

4.4.2 Configuring Event Sound Settings

Each event type may be configured to play a different sound. For example a fire alarm sound may be configured so that it is distinctly different from the sound of a trouble event. The Event Color and Sound Configuration window (see Figure 4.4) displays the currently configured sound in the Wave File window.

NOTE: Factory default sounds are assigned so that a different sound will play for each status. They may be changed if desired.

Sound Changes

1. Click inside the event type's Wave File field. An Open window displays.
2. Select the desired wave file and click the **Open** button. The name of the newly selected file is displayed in the Wave File field.
3. Click **OK** in the Color and Sound Configuration window to return to the Configuration Tool main screen.
4. Click **Exit** and then click **OK** to save the changes.

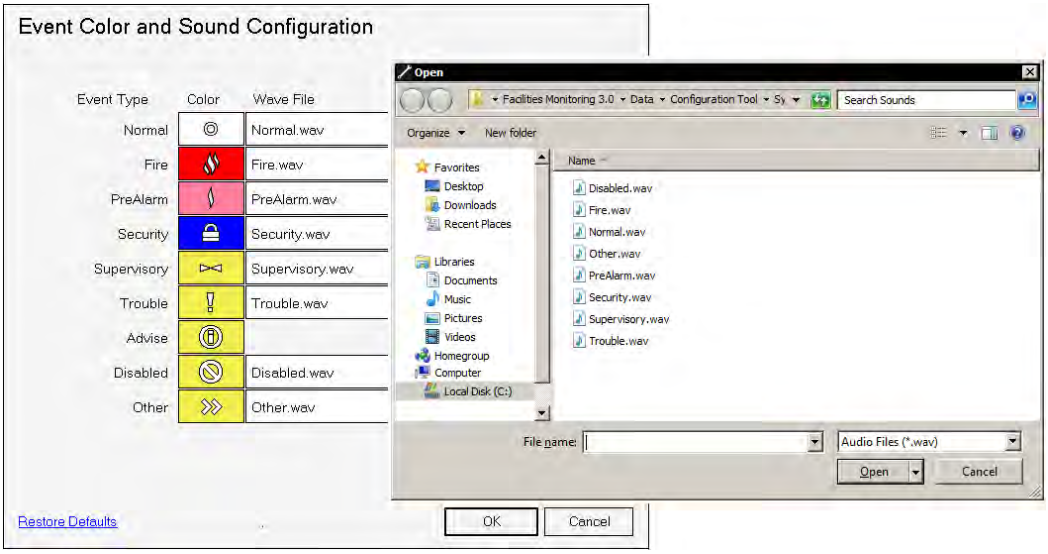


Figure 4.4 Event Sound Configuration

4.5 Launch Database Editor

Database Editor (Figure 4.5) is an editable, Excel-like database format representation of the fire system. This database is used to view and modify system database information. It has standard editing features, such as Copy, Paste, Cut, Delete, etc. and also allows filtering of data. Tabs along the top of the window allow the Administrator to find the system components to be modified.

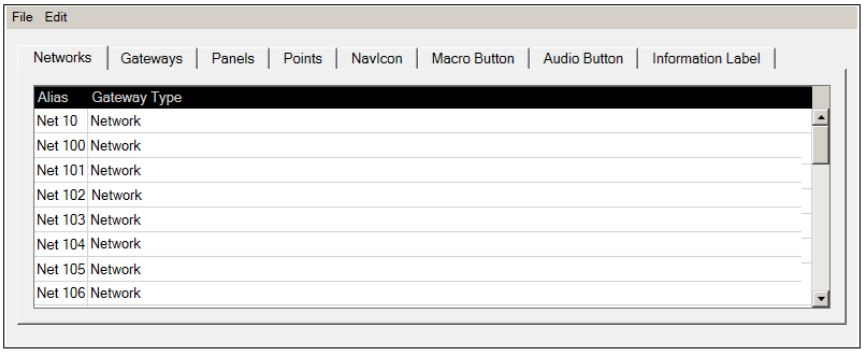


Figure 4.5 Database Editor Window

4.5.1 Right-click Options

Database Editor right-click options are described in Table 4.2.

Table 4.2 Database Editor Right-Click Menu Options

Type	Option	Description
Column	Sort ASCending	Sorts column data alpha-numerically in ascending order.
	Sort DESCending	Sorts column data alpha-numerically in descending order.
	Hide	Hides the data for the selected column.
	Clear Filters	Clears filters such that all data displays for the column.
	Show All	Displays all columns.
Cell	Copy	Copies the information in the cell.
	Paste	Pastes the copied information.
	Filter By Selection	Filters the spreadsheet data by the information in the cell.
	Filter Excluding Selection	Filters the spreadsheet data excluding the information in the cell.
	Clear Filters	Clears all filters such that all data displays in the spreadsheet.

4.5.2 Additional Features

By clicking a particular cell in the spreadsheet, the user can select options from drop-down lists or open windows allowing the selection and modification of such screen object components as icons and links to text, audio, picture, and video files.

To view all available columns on a tab, use the scroll bar bottom at the bottom of the window.

4.6 Administrator Log In Configuration

4.6.1 Factory Defined User Profiles and their Passwords

The workstation must be logged into before any of its settings can be configured. A user that has the security option to change a password needs to login to change an existing user's password or to add a user and their password.

The factory defined Admin user profile cannot be deleted.

4.6.2 Changing a User Password

1. Launch the Configuration Tool:
   - From the Windows taskbar, click **Start > Programs > Facilities Monitoring > Configuration Tool**. The Configuration Tool launches.
   - From the workstation application, click **Configure > Launch Configuration Tool**.
2. Click the User Editor icon . The User Editor opens (see Figure 4.6).
3. Click "ADMIN - Administrator", and then click **Edit Name/Password**. The User Name dialog box opens.

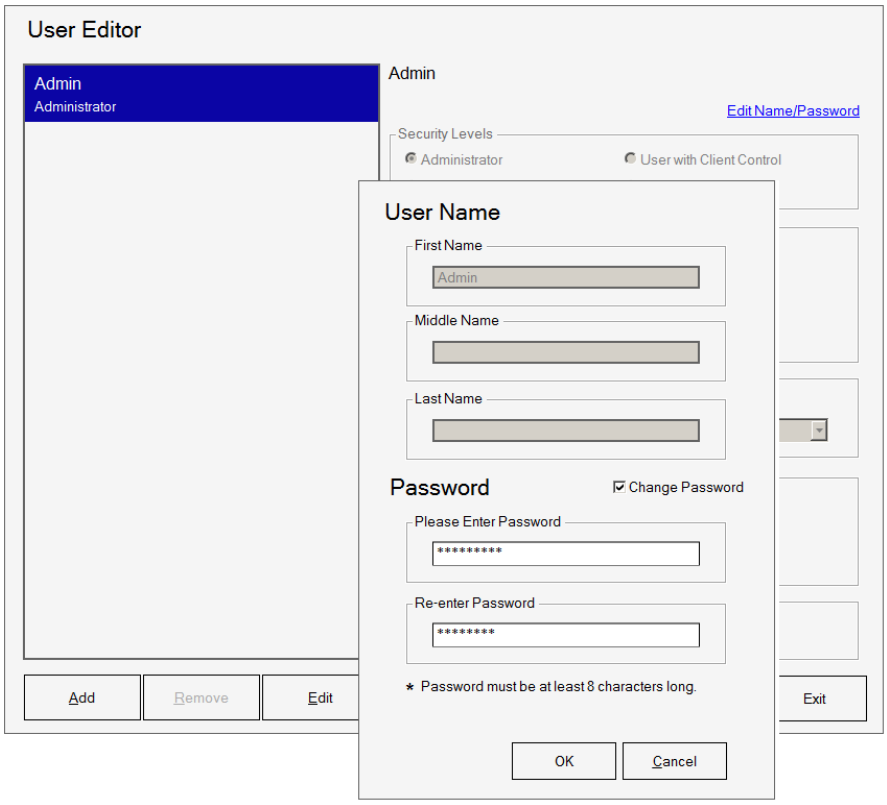


Figure 4.6 Admin Password Change

4. Check the **Change Password** check box.

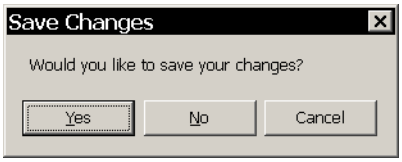
5. Type the new password into the Password field.
   - Passwords are case-sensitive.
   - Alpha and numeric characters are supported.
   - 8 character minimum and 15 characters maximum.
6. Type the same new password into the Re-enter Password field.

NOTE: Please make note of the password because the new password cannot be retrieved from the workstation.

7. Click **OK**.
8. Click **Exit** to exit the User Editor.
9. Click **OK** to acknowledge the information dialog.



10. Click **Exit** to exit the Configuration Tool.
11. Click **Yes** to save the changes.



4.7 User Configuration

4.7.1 User Definitions

The Admin user manages users and their passwords by creating a profile for a user which includes a name, a password, and a security level. A Security Option check box selected on the User Editor window determines what operations are available to a user.For example, some users may have permission to respond to point events on the workstation (Point Control).

4.7.2 User Permissions

The table below describes the permissions granted for each permission level selected in the User Editor

.

Table 4.3 User Permissions

User Permissions	Accounts - Permissions Level		
	User	Client Control	Administrator
Print Events and Floor Plans	NO	YES	YES
View History and Linked Media	YES	YES	YES
Backup History Data	NO	YES	YES
Print Events and Floor Plans	NO	YES	YES
View History and Linked Media	YES	YES	YES
Backup History Data	NO	YES	YES
Acknowledge Events Locally	NO	YES	YES
Change/Configure Site Specific Data	NO	NO	YES
Change/Configure User Accounts	NO	NO	YES
Change/Configure Software Options	NO	NO	YES

4.7.3 Point Controls

The following choices are only selectable when a user has been designated User with Point Control. All are preselected if a user has been designated Administrator on the Security Options tab.

- Field Acknowledge
- Silence
- Reset
- Enable/Disable
- Activate/Deactivate
- Manual Evacuation
- Lock/Unlock

4.7.4 User Security Options

The User Editor window's security option check boxes determine what operations are available to a user. The security options are defined in the terms of the action that the user is allowed to perform on menu selections and events.

Table 4.4 Security Option Descriptions - Available Menu Options

Menu Item	Protected Premises Control Unit			
	User	w/Client Control	w/Point Control	Admin
File	YES	N/A	YES	YES
Login	YES	N/A	YES	YES
Add History Entry	YES	N/A	YES	YES
Print Floorplan	NO	N/A	YES	YES
Print Events	NO	N/A	YES	YES
Exit	NO	N/A	NO	YES
View	YES	N/A	YES	YES
Toggle Text/Graphics Mode	NO	N/A	YES	YES
History	YES	N/A	YES	YES
System...	NO	N/A	YES	YES
Search for Device	NO	N/A	YES	YES
Armed/Disarmed	NO	N/A	NO	YES
Background Activations	NO	N/A	YES	YES
Action	YES	N/A	YES	YES
Signs	NO	N/A	YES	YES
Open Verifire Tools (only when Verifire Tools installed)	NO	N/A	NO	YES
Macros (only when macros present)	NO	N/A	YES	YES
Configure	YES	N/A	YES	YES
Launch Configuration Tool	YES	N/A	YES	YES
Monitoring Profiles	*	N/A	*	YES
Options	NO	N/A	NO	YES
Back up & Clear History DB	NO	N/A	YES	YES

* Permission is determined by an option in the User Editor.

4.7.5 User Additions and Modifications

Adding a User

The following procedure describes the method used to add an individual's name to the user name listing and set their password and security option. When the workstation starts, "Logged Out" is displayed in the top-right corner of the screen.

1. Login as the Admin user.
2. In the main menus, select **Configure > Launch Configuration Tool**. The Configuration Tool main screen displays.
3. Click **User Editor**. The User Editor window displays.
4. Click the **Add** button. The User Name window displays.
5. Enter the user's first, middle, and last name in the fields provided.
6. Enter the password into the Password field.
   - Passwords are case-sensitive.
   - Alpha and numeric characters are supported.
   - 8 characters minimum; 15 characters maximum.
7. Re-enter the password in the Re-enter Password field and click **OK**.
8. Select the appropriate security level radio button.
   - Use the definitions in "User Security Options" on page 38 to determine which profile to use for a user.
   -
9. Configure any other active fields as necessary.
10. Click **OK** to complete adding a user and click **Exit** to close the window.

Modifying a User Profile

To modify a user profile, proceed as follows:

1. In the User Editor, select the user name in the User Name list.
2. Click **Edit**.
3. Make the necessary changes
4. Click **OK** and then click **Exit**.

4.7.6 User Access to Workstation Keyboard Shortcuts

The Administrator can lock out PC keyboard key combinations that allow users to access Windows programs outside of the workstation software application (Windows key), to shut-down or restart the PC (Ctrl + Alt + Delete), and Windows task switching (Alt + Tab). This is accomplished as follows:

1. Right-click the PC Monitor icon () located in the Windows system tray.
2. Click **Secure Windows**. A check mark appears next to the label. Keyboard shortcuts are disabled. The capability to acknowledge events is not affected when this selection is made.
3. To re-enable the keyboard shortcuts, the Administrator must perform the following:
4. Exit the workstation application (**File > Exit**).
5. Right-click the PC Monitor icon () and click **Login**.
6. Enter the Admin password and click **OK**.

7. In PC Monitor, click **Secure Windows**. The check mark disappears and shortcuts are re-enabled.
8. In PC Monitor, click **Launch Applications**. The workstation application opens.

4.8 Monitoring Profile Configuration

4.8.1 Overview

Monitoring Profiles allows the Admin user to select what nodes will be monitored by a workstation. The profile is defined for a specific network and/or node on a network. That profile determines what events are displayed by the workstation. By using monitoring profiles, supervision of portions of the network is possible.

Monitoring profiles are event annunciation filters that are set up in the Configuration Tool to monitor or not monitor an event location and its event type.

The factory-defined monitoring profile “Default” is set to monitor all networks and nodes. To hide any networks or nodes and their respective event types, a monitoring profile must be created.

4.8.2 Adding a New Monitoring Profile

Add a monitoring profile as follows:

1. Launch the Configuration Tool.
2. From the main menu, select the Monitoring Profile icon . The Monitoring Profiles window opens (see Figure 4.7.)
3. Click the **Add** button. The Add Monitoring Profile window displays
4. Enter a unique name for the profile.
5. Click **OK**. The new profile name is added to the list in the left-hand pane.
6. Highlight the added profile name in the list.
7. Items to be monitored are in the right panel. Click the **Status** tab to select which status types to monitor. Click the **Network** tab to select which elements on the system are to be monitored. Clicking on an item toggles the monitoring setting for each item. A green check mark in the right-hand column means the item is to be monitored; a red “**X**” means the item is not monitored.
8. When finished, click **Exit**. The Configuration Tool main screen displays.
9. Click **Exit** and then click **Yes** to save the profile.

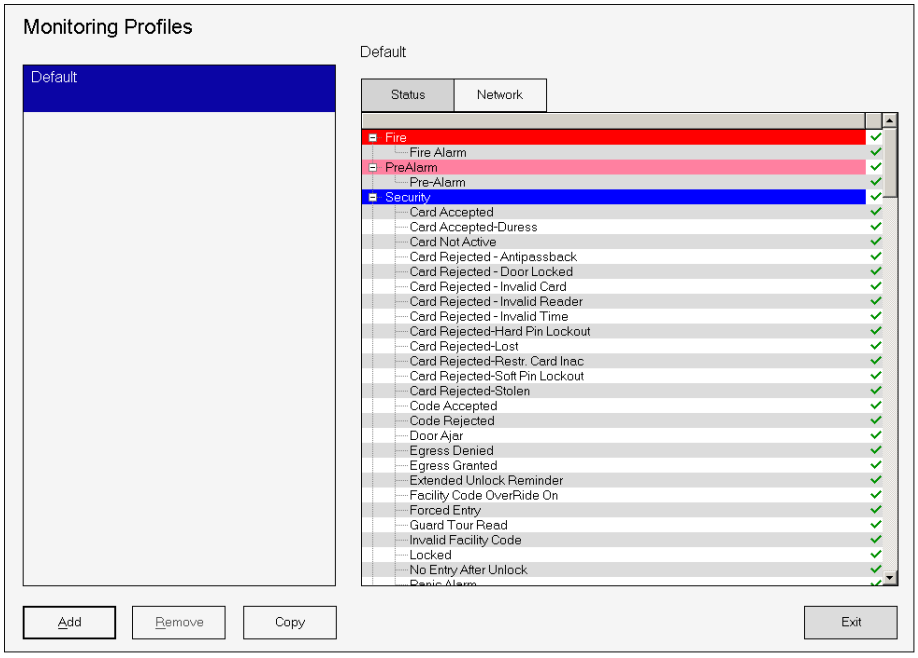


Figure 4.7 Monitoring Profiles Window

4.8.3 Copying a Monitoring Profile

1. In the Monitoring Profiles window, highlight the profile to be copied in the profiles list and click the **Copy** button.
2. Enter a unique name for the new profile in the Copy Monitoring Profile window and click **OK**.
3. Highlight the profile name in the list.
4. Modify the settings as necessary as described in Step 7 under 4.8.2, "Adding a New Monitoring Profile".
5. When finished, click **Exit**. The Configuration Tool main screen displays.
6. Click **Exit** and then click **Yes** to save the profile.

4.8.4 Removing a Monitoring Profile

Remove a monitoring profile as follows:

1. In the Monitoring Profiles window, highlight the name of the profile to be removed in the profiles list and click the **Remove** button.
2. When finished, click **Exit**. The Configuration Tool main screen displays.
3. Click **Exit** and then click **Yes** to save the profile removal.

Manufacturer Warranties and Limitation of Liability

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