Advanced

Axis AX

Switch LED Module

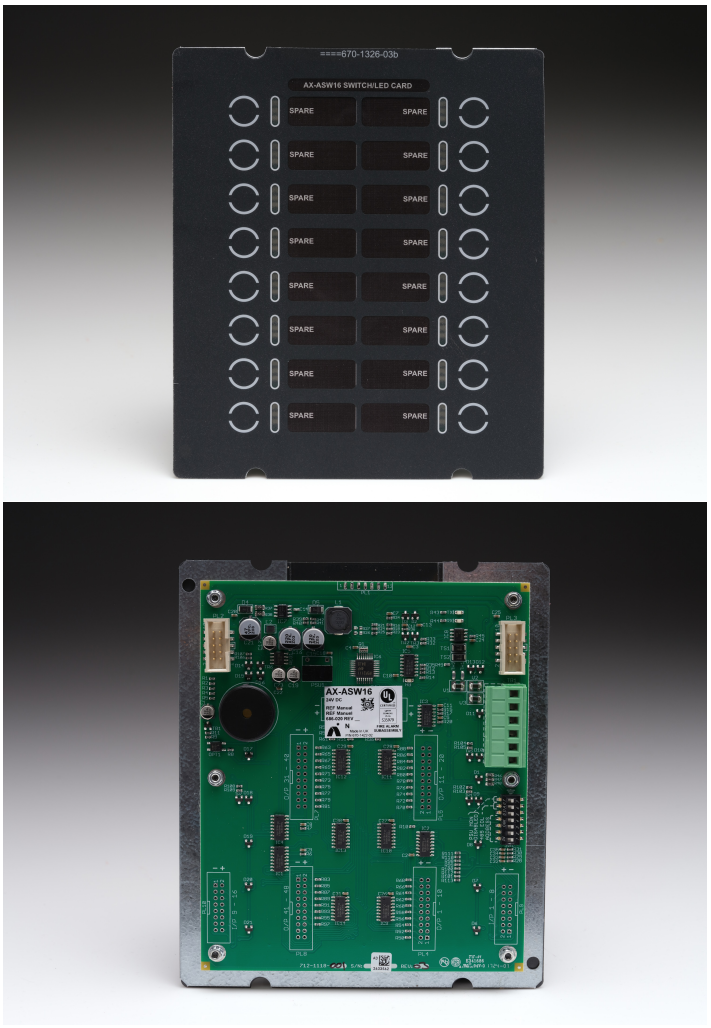
Providing superior flexibility and customisation, the Switch LED Module (AX-ASW-16) provides full control and annunciation of any individual input, output, zone, or group of devices on an Axis AX fire alarm control panel or Axis AX series network. The level of annunciation and control is totally controlled by the system programming and the installation requirements.

To meet this level of flexibility, the AX-ASW-16 is a freely programmable I/O module, providing 16 switches and 48 LEDs. Switches and LEDs can be programmed as a set or independently, based on user requirements.

The AX-ASW-16 is easily configurable using the Advanced PC-NeT field configuration tool, which works in a Windows environment. Switches can be programmed to bypass (disable/enable) points, zones and/or groups. They can also be programmed to turn On/Off relay points, NAC circuits, city connections, or they can be configured to provide complete HOA (Hand-Off-Auto) control functionality. When interfacing to an Advanced audio system, controls can be configured for All Call, All Evac, All Alert, Select Zone/Area Paging, individual message selection, firefighter telephone selection and much more.

LEDs are programmable for a number of status indications of points, zones and/or groups within the system including alarm, supervisory, trouble, switch active, relay active etc. In addition, LEDs can be programmed for primary and secondary status events, along with flash rates based on last known status/event (ie: off, on steady, 1/2 second flash or 1-second flash).

Up to 16 AX-ASW-16 modules can be connected to an Axis AX fire alarm control panel, providing 256 switches and 768 LEDs. Switches and LEDs can be assigned to a single host Axis AX panel or transmitted over the Advanced peer-to-peer network to other network nodes (FACPs). Other Axis AX fire alarm control panels on the network can have their own set of AX-ASW-16 modules.



Features

- Freely Programmable I/O Module
- 16 Switches and 48 LEDs
- Field Programmable with PC-NeT Tool
- Communicates via PBUS (RS-485 Network)
- Each Axis AX FACP Supports up to 16 Modules
- Simple DIP Switch Addressing
- Can be Installed Remotely from Axis AX FACP
- Easy Panel or Remote Installation/Configuration
- Supervised External Trouble Input
- Configurable On-Board Piezo (Buzzer)
- Multi-Module Daisy Chaining

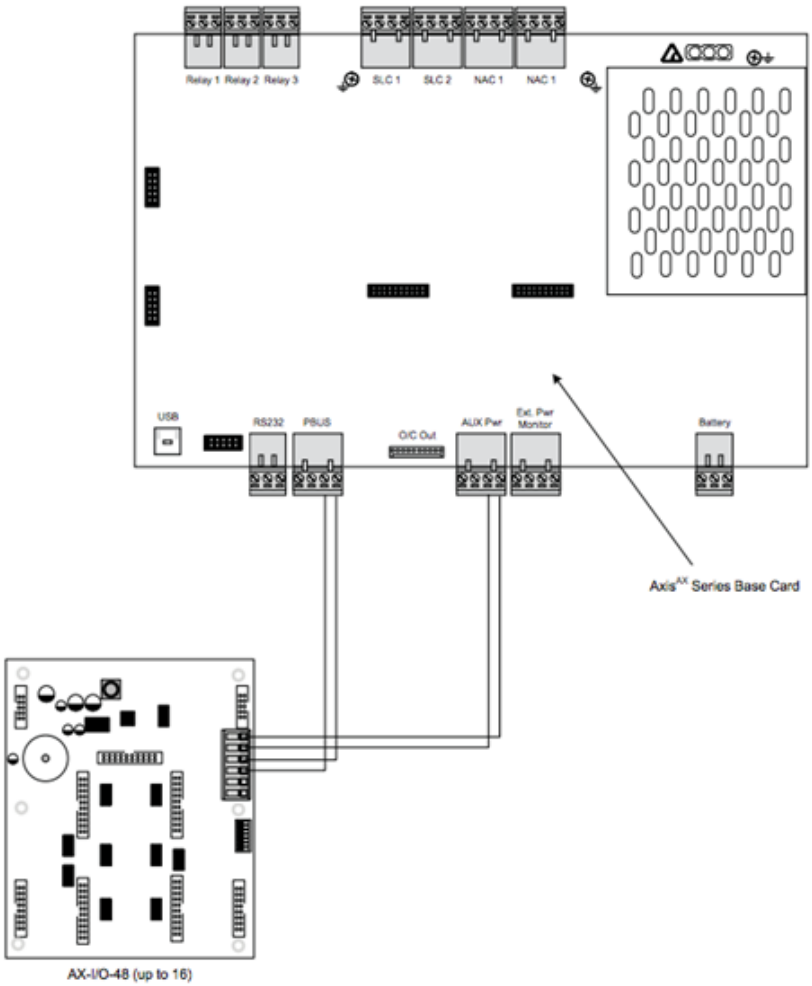
Listings and Approvals

- Certified to UL864 10th Edition – File No. S35979
- CSFM Approved: Pending
- NYCFD COA: Pending

Specification

Input Voltage (DC)	24 VDC (Operating range 18-28 VDC)
Operating Current Quiescent Alarm All LEDs Active (On) One LED (Approximate)	 14 mA 55 mA 0.8 mA
Switches	16 Programmable Switches Push Button Toggle
LED Indicators	48 LEDs 16 Green 16 Yellow 16 Red
External Monitoring Input	Supervised Closed Contact (N/C)
Piezo (Buzzer)	Field Configurable On/Off, Pulse/Steady
Screw Terminals	12 - 24 AWG
Daisy Chain Headers	10-Way IDC Ribbon Connector for Multi-Module Interconnect

Wiring Diagram



Order Codes and Options

AX-ASW-16	Switch LED Monitor

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Axis AX

Switch/LED Driver Module

Providing superior flexibility and customisation, the Switch/LED Driver Module (AX-I/O-48) provides full control and annunciation of any individual input, output, zone, or group of devices on an Axis AX fire alarm control panel or network. The level of annunciation and control is totally controlled by the system programming and the installation requirements.

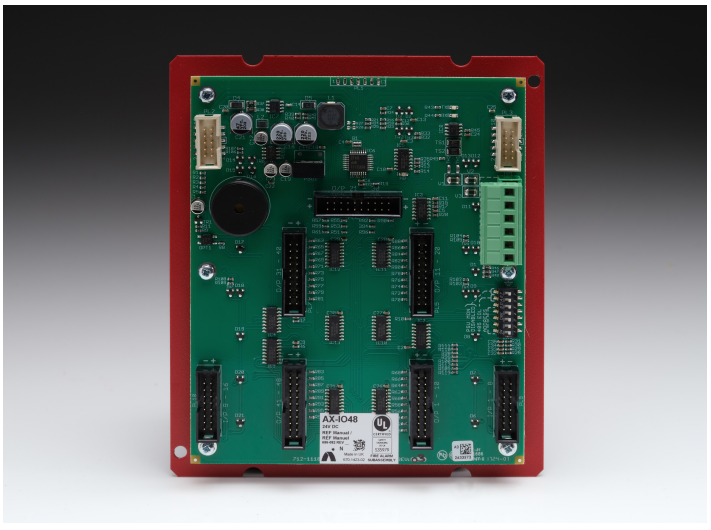
To meet this level of flexibility, the AX-I/O-48 is a freely programmable I/O module, providing 16 switch inputs and 48 LED driver outputs. Switch inputs and LED driver outputs can be completely field programmable based on user requirements.

The AX-I/O-48 is easily configurable using the Advanced PC-NeT field configuration tool, which works in a Windows environment. Switch inputs can be programmed to bypass (disable/enable) points, zones and/or groups. They can also be programmed to turn on/off relay points, NAC circuits, city connections, or they can be configured to provide complete HOA (Hand-Off-Auto) control functionality. When interfacing to listed annunciators, each I/O can be configured based on annunciator requirements.

LED driver outputs are programmable for a number of status indications of points, zones and/or groups within the system including alarm, supervisory, trouble, switch active, relay active etc. In addition, LED driver outputs can be programmed for primary and secondary status events, along with flash rates based on last known status/event (ie: off, on steady, 1/2 second flash or 1-second flash).

Up to 16 AX-I/O-48 modules can be connected to an Axis AX fire alarm control panel, providing 256 switch inputs and 768 LED driver outputs. Switch inputs and LED driver outputs can be assigned to a single Axis AX panel or can be transmitted over the Advanced peer-to-peer network to other network nodes (FACPs). Other Axis AX fire alarm control panels on the network can have their own set of AX-I/O-48 modules.

The switch/LED driver module can also be used to manually control live voice communications and message/tones or firefighter phones from the Axis AX fire alarm control panel.



Features

- Ideal for Interfacing to Custom Graphic Annunciators
- Freely Programmable Driver Module
- 16 Switch Inputs and 48 LED Driver Outputs
- Field Programmable with PC-NeT Tool
- Communicates via PBUS (RS-485 Network)
- Adaptable to many Listed Annunciators
- Each Axis AX FACP Supports up to 16 Modules
- Compact, Attractive Appearance
- Simple DIP Switch Addressing
- Can be Installed Remotely from Axis AX FACP
- Supervised External Trouble Input
- Configurable On-Board Piezo (Buzzer)
- Multi-Module Daisy Chaining

Listings and Approvals

- Certified to UL864 10thEdition – File No. S35979
- CSFM Approved: Pending
- NYCFD COA: Pending

Wiring Diagram

Specification

Input Voltage (DC)	24 VDC (Operating range 18-28 VDC)
Operating Current Quiescent Alarm One Drive Output Active	 13mA – All Driver Outputs Off 53mA – All Driver Outputs Active 0.1042mA
Switches	16 Programmable Switch Inputs
LED Driver Outputs	48
External Monitoring Input	Supervised Closed Contact 9N/C0
Piezo (Buzzer)	Field Configurable On/Off, Pulse/Steady
Screw Terminals	12 - 24 AWG
Daisy Chain Headers	10-Way IDC Ribbon Connector for Multi-Module Interconnect

Order Codes and Options

AX-I/O-48	Switch/LED Driver Module

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LED Modules

The Advanced LED Modules consist of three (3) different types of modules that provide excellent system annunciation and flexibility. Each module is fully compatible with Axis AX fire alarm control panels, “V” series integrated audio panels and Axis AX command centre panels. Each Axis AX panel can support up to sixteen (16) Axis AX Switch LED Modules in any combination.

The three (3) different types of LED Modules are the AX-LED16RY, AX-LED32R, and AX-LED32Y.

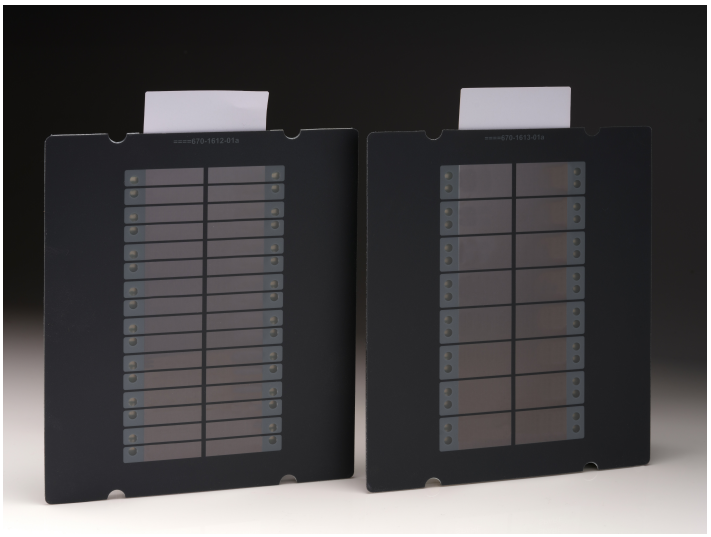
The AX-LED16RY consists of sixteen (16) red and sixteen (16) yellow LEDs. These are typically used to annunciate the alarm and trouble status of up to 16 individual zones or areas.

The AX-LED32R consists of thirty-two (32) red LEDs. These are typically used to annunciate the alarm status of up to 32 zones or areas.

The AX-LED32Y consists of thirty-two (32) yellow LEDs. These are typically used to annunciate the trouble of up to 32 zones or areas

In addition to the above-mentioned zone or area annunciation, each LED can be mapped or assigned to any system function in support of fire alarm, system status, non-fire conditions, warnings or mass notification events. Each LED can also be further programmed for primary and secondary functions with flash rates based on last known status/event (off, on steady, 1/2 second flash or 1-second flash).

LED modules can be installed in any available single aperture location of an Axis AX Series Intelligent Fire Alarm Control Panel, “V” Series Integrated Audio Panel or Axis AX Command Center Panel. Also, LED Modules can be mounted remotely from the main fire alarm control panel in one of the Advanced, attractive remote annunciation enclosures (AX-LZA-CAB1, AX-LZA-CAB2 or within a large selection of AX-LOC enclosures).



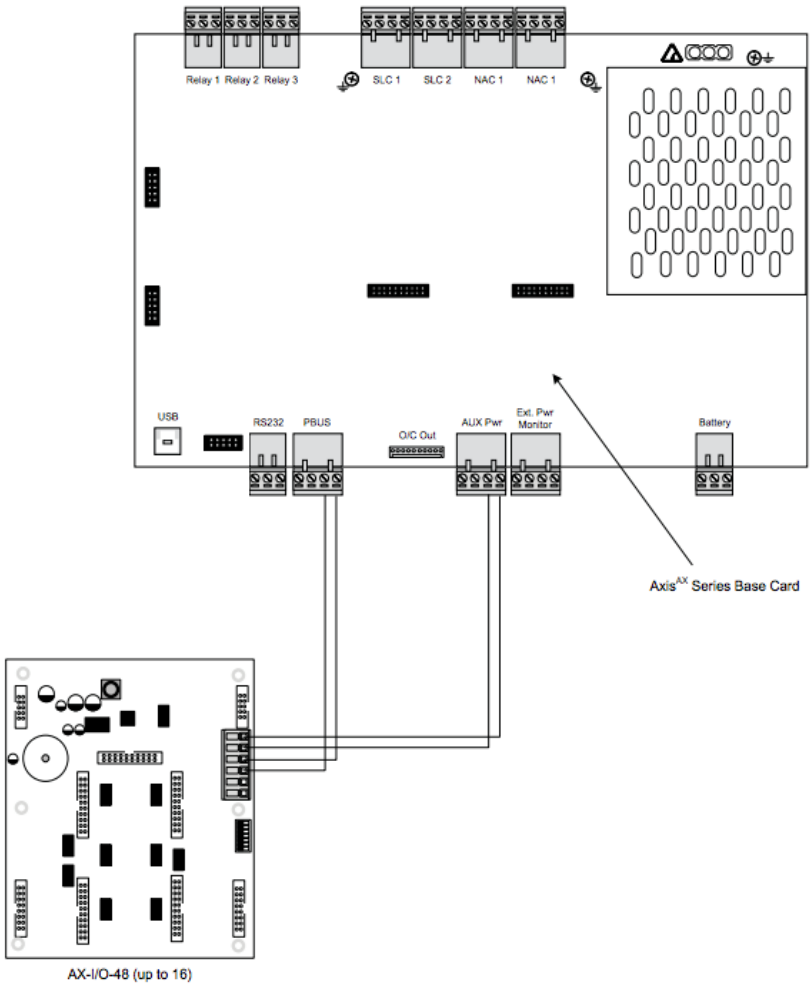
Features

- Compact, Attractive Appearance
- Freely Programmable LEDs
- Up to 16 Modules per Axis AX FACP
- Field Programmable with PC-NeT Tool
- Communicates via PBUS (RS-485 Network)
- Local Axis AX FACP or Remote Mounting Options
- Simple DIP Switch Addressing
- Large Customer Slide-in Label Area
- Supervised External Trouble Input
- Configurable On-Board Piezo (Buzzer)
- Multi-Module Daisy Chaining

Listings and Approvals

- Certified to UL864 10thEdition – File No. S35979
- CSFM Approved: Pending
- NYCFD COA: Pending

Wiring Diagram



Specification

Input Voltage (DC)	24 VDC (Operating range 18-28 VDC)
Operating Current Quiescent Active All LEDs Active (on) One LED (approximate)	 14 mA 55 mA 0.8 mA
LED Indicators AX-LED16RY AX-LED32R AX-LED32Y	 16 Red and 16 Yellow 32 Red 32 Yellow
External Monitoring Input	Supervised Closed Contact (N/C)
Piezo (Buzzer)	Field Configurable On/Off, Pulse/Steady
Screw Terminals	12 - 24 AWG
Daisy Chain Headers	10-Way IDC Ribbon Connector for Multi-Module Interconnect

Order Codes and Options

AX-LED16RY	LED Module Incorporating 16 Red and 16 Yellow LEDs
AX-LED32R	LED Module Incorporating 32 Red LEDs
AX-LED32Y	LED Module Incorporating 32 Yellow LEDs
AX-LZA-CAB1*	Local Zone Annunciator Cabinet - Single Aperture module
AX-LZA-CAB2*	Local Zone Annunciator Cabinet - 2 x Single Aperture modules
AX-LZA-CAB4*	Local Zone Annunciator Cabinet - 4 x Single Aperture modules

* For the gray enclosure, add the suffix “G” to the part number.

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