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.

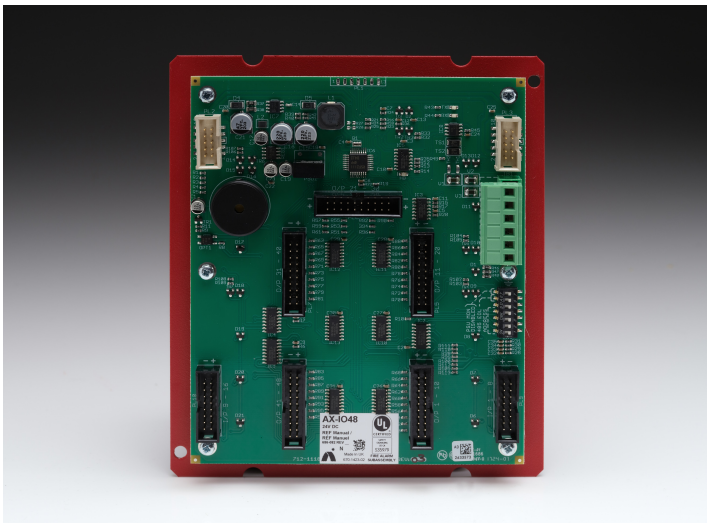
To meet this level of flexibility, the AX-I/O-48 is a freely programmable I/O module, providing 16 switch inputs and 48 LED driver outputs. Switch inputs and LED driver outputs can be completely field programmable based on user requirements.

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 10th Edition – 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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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.