

# Axis<sup>AX</sup>

## AX-LPD and AX-NAC Modules

Advanced AX-LPD module provides SLC and NAC circuit expansion of an existing AX-CTL-2 Intelligent Fire Alarm Control Panel. The module provides two Style 4 or Style 6/7 Signaling Line Circuits (SLCs) and two notification appliance circuits (NACs). Communications to field devices attached to the SLCs is via an advanced, 100% digital protocol with advantages of being highly immune to noisy environments and will operate over non-shielded cable without causing interference problems with sensitive electronic equipment. The NAC circuits are filtered and regulated, capable of being wired Class A or B, each rated 2 Amp @ 24 VDC. Due to exceptional regulation and high rating, the NAC outputs provide compatibility with virtually any Listed notification appliance.

Each SLC circuit supports up to 126 analog addressable devices (any combination of intelligent detectors, input and/or output devices, including loop powered technology devices), for a total expansion capacity of 252 points. In addition, the SLC circuits support the Advanced unique sub-addressing of various input and/or output devices, expanding system capacities further.

Advanced AX-NAC module provides NAC circuit expansion of an existing AX-CTL-2 Intelligent Fire Alarm Control Panel. The module provides two notification appliance circuits (NACs). The NAC circuits are filtered and regulated, capable of being wired Class A or B, each rated 2 Amp @ 24 VDC. Due to exceptional regulation and high rating, the NAC outputs provide compatibility with virtually any Listed notification appliance.



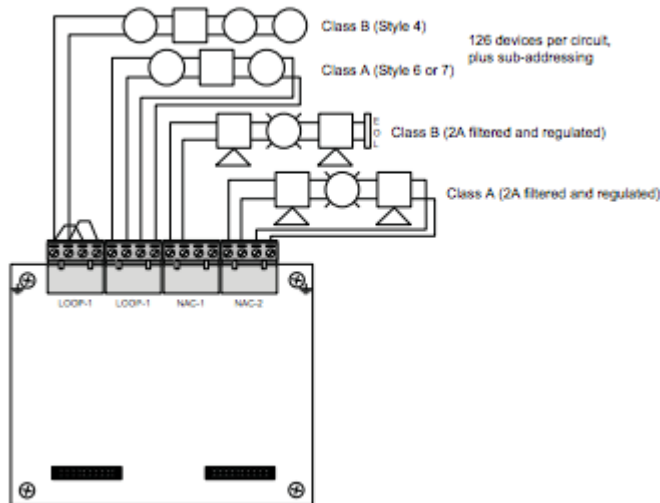
### Features

- 2 SLC/NAC or 2 NAC Expansion
- “Dynamix” I/O Relationship Programming
- Multi-Pattern & Two-Stage NAC Control
- 252 Analog Addressable Point Expansion
- Automatic Detector Testing with Maintenance Alert
- Automatic Drift Compensation per Detector
- Alarm Verification and PAS
- Style 4, 6 & 7 SLC Operation (126 devices per SLC)
- SLC’s Support Loop Powered Technology
- Class A or B NAC Circuits
- Multi-Pattern and Two-Stage NAC Circuit Control
- Synchronized Audibles and Visuals (Panel or Network Wide)
- Programmable Silenceable & Non-Silenceable NACs
- Voltage Regulated NACs (Compatible with many Listed NAC devices)
- “Auto-Learn/Loop Detection” Programming

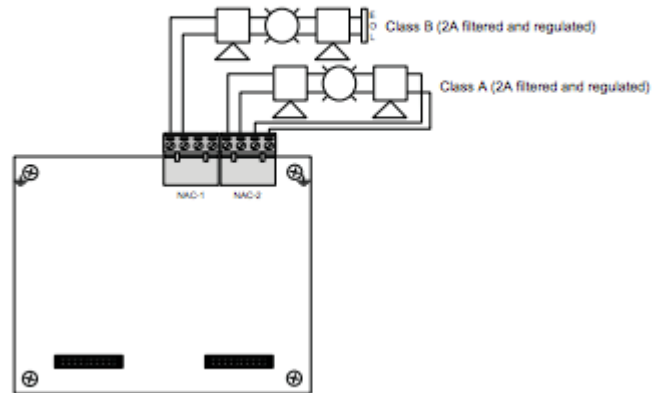
### Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- CSFM Approved: 7165-1713:0101
- NYCDF COA #61052A

## Wiring Diagrams



(2-Way SLC/NAC)



(2-Way NAC)

## Specification

### SLC Loop

Class (Style)

Class A or B (Style 4, 6 or 7)

Voltage

24 VDC

Minimum Return Voltage

17 VDC

Current

.5A

### NAC Circuits

Class (Style)

Class A or B

Voltage

24 VDC (Filtered and regulated)

Minimum Return Voltage

16 VDC

Current

2A (each)

Maximum Voltage Drop

3 VDC

Maximum Line Impedance

1.5 Ω

End of Line Resistor

10K

### Environment

Indoor. Dry

### Operating Temperature

32 °F-120 °F (0 °C-48 °C)

### Humidity

10-95% (Non-condensing)

### Dimensions

4 7/8" W x 5 1/2" L x 1 1/2" D

### Weight

4.5 oz

## Order Codes and Options

AX-LPD

2-Way SLC/NAC

AX-NAC

2-Way NAC

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