

AX-LPD Module

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.



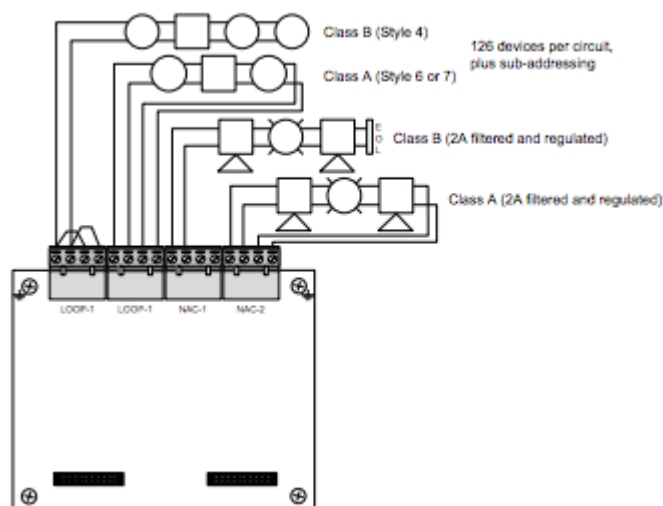
Features

- 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

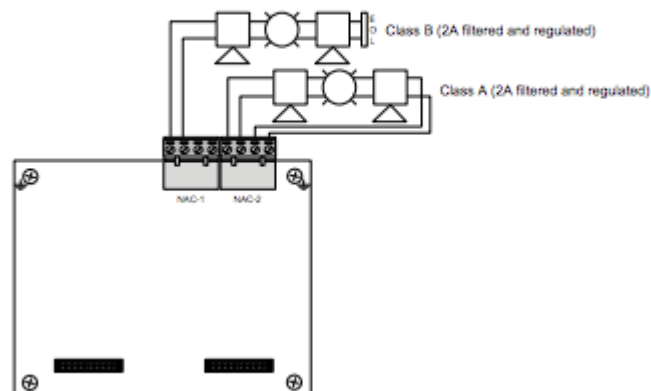
Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- CSFM Approved: 7165-1713:0101
- NYCFCO COA #6105

Wiring Diagrams



(2-Way SLC/NAC)



(2-Way NAC)

Specification

SLC Loop

Class (Style)
Voltage
Minimum Return Voltage
Current

Class A or B (Style 4, 6 or 7)
24 VDC
17 VDC
.5A

NAC Circuits

Class (Style)
Voltage
Minimum Return Voltage
Current
Maximum Voltage Drop
Maximum Line Impedance
End of Line Resistor

Class A or B
24 VDC (Filtered and regulated)
16 VDC
2A (each)
3 VDC
1.5 Ω
10K

Environment

Indoor. Dry

Operating Temperature

32 °F-120 °F (0 °C-48 °C)

Humidity

10-95% (Non-condensing)

Dimensions

47 / 8 " W x 51 / 2 " L x 11 / 2 " D

Weight

4.5 oz

Order Codes and Options

AX-LPD	2-Way SLC/NAC
AX-NAC	2-Way NAC

[Check if this document is up to date](#) | [Give us feedback](#)

Advanced, The Bridges, Balliol Business Park, Newcastle, NE12 8EW, UK T: +44 (0)845 894 7000, E: enquiries@advancedco.com, W: www.advancedco.com

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