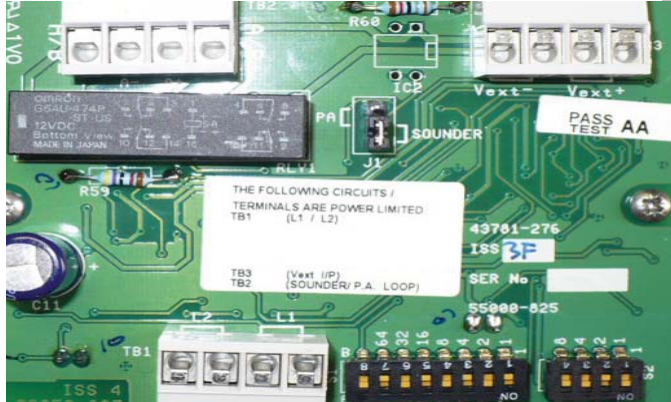




AX Series

INTELLIGENT NAC MODULE



Unique Features:

- UL Listed
- Class “A (Style Z) or Class “B” (Style Y) Wiring
- Horn/Strobe or Speaker Control
- Flexible Programmability
- Durable Construction
- Cost-Effective & Trouble-Free Installation

Description:

Advanced Fire Systems Intelligent NAC Module is an addressable module for use with the AX Series Intelligent Fire Alarm Control Panel SLC Loops. Each module incorporates an independent, individually programmable, notification appliance circuit (NAC), providing cost-effective solutions in areas requiring multiple notification appliance circuits. Each NAC module allows switching of an external power supply, such as a 24 VDC regulated power source or audio amplifier to a group of notification appliances.

The notification appliance circuit can be wired either Class “A” (Style Z) or Class “B” (Style Y). Each module also supervises the wiring for opens, shorts and grounds and reports this status back to the intelligent fire alarm control panel. Typical input power to the NAC module would be from the main FACP, a power supply booster or an amplifier.

To increase the already rapid response activation, each module can be set to a group address, allowing all NAC modules assigned to a common group address to be activate from a single command poll from the intelligent fire alarm control panel.

An eight position programming DIP switch is provided on each NAC module for NAC circuit addressing and wiring classification definition. An additional four position programming DIP switch is provided for group addressing.

The NAC module mounts to the front of a standard 4” square or 2-gang electrical outlet box. Displayed on the front of each module is a single red status LED that independently illuminates steady during active condition.

Compatible with the AX Series Dynamix I/O Relationship Programming, the NAC module can be individually assigned to activate from any input zone or address. In addition the NAC module can be programmed to with various output relationships, timing functions, gated functions, etc. to perform project specific control operations.



Features:

- 4” Square or 2-Gang Electrical Outlet Box Mounting
- Power Limited
- Dedicated NAC Status LED
- Voltage Regulated NACs (Compatible with all Listed NAC devices)
- Use with regulated 24 VDC Power Supply
- 25/70 VRMS Speaker Capability

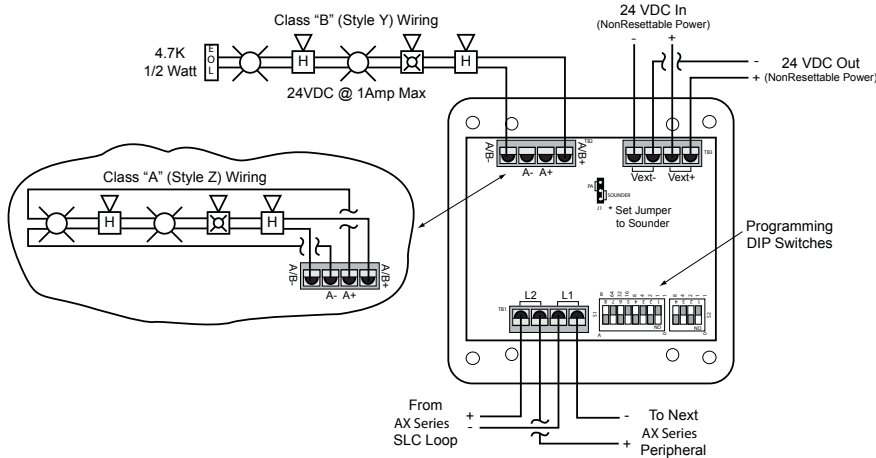
Product Data Sheet



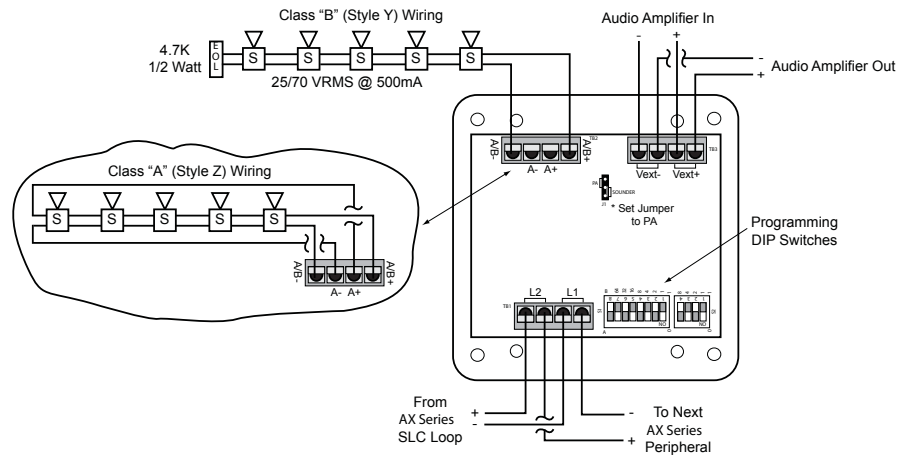
3118002NYM-001B

NAC Module - 55000-825ADV

24VDC NAC Circuit Wiring



Speaker Circuit Wiring



Ordering Information

55000-825ADV Notification Appliance Circuit Module

NAC Module Specifications

Voltage	17-28 VDC, w/Communication Pulses 5-9 VDC
Operating Current	
Quiescent	1 mA
Alarm	1 mA
w/LED On	6 mA
Line Impedance	50 Ω
Wiring Classification	Class A (Style Z) or Class B (Style Y)
End-of-Line Resistor	47 KΩ, 0.5 Watt (Class "B" only)
Circuit Voltage Input	24 VDC or 25/70 VRMS
Max NAC Circuit Line Loss	24VDC @ 1 Amp (Use Regulated DC Listed Supply)
Max Speaker Circuit Output	24VDC, 25/70.7VRMS @ 500mA
Wiring Terminals	Screw In-Out Terminals
Mounting	4" Square or 2-Gang Electrical Outlet Box
Dimensions (Diameter & Height)	4 1/2"W x 4 1/2"H x 1"D
Weight	2.8 oz
Operating Temperature	32°-120° F (0°-49° C)
Humidity	10 - 93% (non-condensing)



100 South Street, Hopkinton, Massachusetts, USA MA 01748

Tel: 508.453.9995 ■ Fax: 508.453.9996 ■ www.afsi.us.com