

Enhanced NAC Module

The NAC Module enables sounders to be operated continuously or be pulsed. Sounders may be operated individually or in groups and whichever address mode has been applied may be synchronized when in pulsed operation.

Features

- Built-in isolator
- Visible LEDs
- Loop powered
- Can be used for public address speakers
- Power supply health monitoring
- Reverse polarity detection
- Active short circuit detection (panel/power supply dependent)
- AC/DC monitoring (limited by wire length)
- Improved design for ease of wiring
- Communicates with XP95 and Discovery protocols

Listings and Approvals

UL, ULC, SII and CSFM

Specification

General*

Product Operating Temperature 32° to 120° F

Humidity 10% to 93% RH (no condensation or icing)

Standards and Approvals UL, ULC, SII, CSFM

Dimensions 4.9" W x 4.9" H x 1.175" D

Materials Housing UL94 V-0 polycarbonate

Wire Size 12-24 AWG

LED Status

LED Colour:

Green
Yellow (solid)
Red

Polling
Isolation
Alarm

Single Line Circuit (SLD) - Supervised Power Limited

Supply Voltage 17 V to 28 VDC

Modulation Voltage 5 V to 9 V peak to peak

Supervisory Current 500 µA

Switch-on Surge Current 900 µA

Alarm/Operated Current, LED On 1.6 mA per LED

Maximum Loop Current 1 A

Initiating Device Circuit (IDC)

Wiring Styles	Supervised power limited Class A and Class B
End-of-line Resistors**	47 kΩ
Max (NAC)	Regulated 24 V DC, 2A Use of regulated power limited DC supply that is listed for fire protection applications. The maximum number of connected devices must be within the output rating.
Max (Speakers)	70.7 V rms, 500 mA with wire supervision capability as per NFPA requirements. The speakers used must be listed for fire protection applications.

* Local supply failure, NAC short/open circuit or group address.

** A UL-listed end-of-line resistor is available - Part no. 44251-146

NB All data is supplied subject to change without notice. Specifications are typical at 24 V, 73° F and 50% RH unless otherwise stated.

Refer to fire control panel literature for details on how to achieve audio and visual synchronisation.

Order Codes and Options

SA4705-706ADV	Enhanced NAC Module
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Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK **T:** +44 (0)345 894 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.