

PP2714 / 2019 / ISSUE 1 / DRAFT F

DATASHEET

SOTERIA UL

NAC MODULE



PRODUCT OVERVIEW

Product	NAC Module
Part No.	SA4705-706APO
Digital Communication	XP95, Discovery and CoreProtocol® compatible

PRODUCT INFORMATION

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.

- Built-in isolator
- Visible LEDs
- Loop Powered
- CoreProtocol® Enabled
- 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

APPROVALS



TECHNICAL DATA*

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

General	
Product Operating Temperature	32°F to 120°F
Humidity	10% to 93% RH (no condensation or icing)
Standards and Approvals	UL, ULC, CSFM, FM
Dimensions	4.9" width x 4.9" height x 1.175" depth
Materials	Housing: UL94 V-0 polycarbonate
Wiring Size	12-24 AWG

Single Line Circuit (SLC) - Supervised power limited

Supply Voltage	17 V to 28 V DC
Modulation Voltage	5 V - 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

Notification Appliance Circuit (NAC)

Wiring Styles	Supervised power limited Class A and Class B
End-of-Line Resistors**	47 kΩ
Max (NAC)	Regulated 24 V DC, 2 A 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)	70.7V rms, 500mA with wire supervision capability as per NFPA requirements. The speakers used must be listed for fire protection applications.

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

*Technical Data: Local Supply failure, NAC short/open circuit or group address

**End-of-Line-Resistor: A UL listed end-of-line resistor is available at Apollo - Part No. 44251-146

LED STATUS

LED Color	Description	Protocol Compatibility	
		XP95/Discovery	Core
Green	Polling	X	X
Yellow (Solid)	Isolation	X	X
Yellow (Flash)	Fault		X