

PP2710 / 2022 / ISSUE 2

DATASHEET

SOTERIA UL

MINI SWITCH MONITOR MODULE



PRODUCT OVERVIEW

Product	Mini Switch Monitor Module
Part No.	SA4705-600APO
Digital Communication	XP95 and Discovery

PRODUCT INFORMATION

The Mini Switch Monitor Module is a loop-powered device incorporating a monitored input circuit for connection to remote switches, for indoor use only.

- Built-in isolator
- Visible LEDs
- Loop Powered
- Ground fault detection
- Selectable priority to monitor equipment where a fast response is required
- Interrupt facility
- Fits into equipment that has limited space
- Improved design for ease of mounting

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, FM, CSFM
Dimensions	1.9" W x 3.0" H x 0.6" D
Materials	Housing: UL94 V-0 polycarbonate
Wire Size	18 AWG

LED Status		
LED Color	Description	XP95/Discovery Compatibility
Green	Polling	x
Yellow (solid)	Isolation	x
Red	Alarm	x

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

Initiating Device Circuit (IDC)	
Wiring Styles	Supervised power limited Class A and Class B
Voltage	3.3 V DC
Line Impedance	100 Ω Max
End-of-Line Resistors*	47 kΩ

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

Apollo America Inc.

25 Corporate Drive, Auburn Hills, MI 48326
Tel: (248)332-3900. Fax: (248)332-8807

Email: sales.usa@apollo-fire.com
www.apollo-fire.com



A Halma company

© 2022 Apollo Fire Detectors Ltd.

All information in this document is given in good faith but Apollo Fire Detectors Ltd cannot be held responsible for any omissions or errors. The company reserves the right to change the specifications of products at any time and without prior notice.