

PP2713 / 2022 / ISSUE 2

DATASHEET

SOTERIA UL

SWITCH MONITOR INPUT/OUTPUT MODULE



PRODUCT OVERVIEW

Product	Switch Monitor Input/Output Module
Part No.	SA4705-703APO
Digital Communication	XP95 and Discovery

PRODUCT INFORMATION

The Input/Output Module is a loop-powered device which incorporates a monitored input circuit for connection to remote switches. It also has a 240 V rated volt-free relay output.

- Built-in isolator
- Visible LEDs
- Loop Powered
- Ground fault detection
- 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, FM, 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 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

Output Circuit	
Relay Output	Non-Supervised
	Programmable
	Dry Contact
	30 V DC - 4 A - resistive
	240 V AC - 4 A - resistive

*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



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