

Switch Monitor Input/Output Module

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

Features

- Built-in isolator
- Visible LEDs
- Loop powered
- Ground fault detection
- Improved design for ease of mounting
- Communicates with XP95 and Discovery protocols

Listings and Approvals

- UL, ULC, FM, 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, FM, 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	Polling
Yellow (solid)	Isolation
Red	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 μ A
Switch-on Surge Current	900 μ A
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 VDC
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
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* 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.

Order Codes and Options

SA4705-703ADV	Switch Monitor Input-Output Module
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