

XP95A

Switch Monitor Input/Output Module



Product overview

Product	Switch Monitor Input/Output Module
Part No.	55000-820
Digital communication	XP95 - see Protocol Compatibility below

Compliance



Product information

The XP95A Switch Monitor Input/Output Module is a loop-powered device incorporating a monitored input circuit for connection to remote switches. It also has an unmonitored opto-coupled input and volt-free relay output. It is designed for indoor use only. The module is designed for use with either a four inch square or two gang electrical backbox.

- Reports 'trouble', switch open' and 'switch closed' levels
- Visible LED
- Loop-powered

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.

Working Voltage	17 V - 28 V dc
Modulation voltage	5 - 9 V peak to peak
Digital communication	XP95
Operating temperature	32°F to 120°F (0°C to 49°C)
Humidity (no condensation)	10% to 93% RH
Standards and approvals	UL, ULC, FM, CSFM
Dimensions	4½ in. (114 mm) x 4½ in. (114 mm) x 1 in. (25 mm)
Weight	1.05 ozs (30 g)
Material	White flame-retardant polycarbonate
Signal line circuit (SLC)	Supervised power limited
Supervisory current	2.5 mA
Surge current	7.5 mA
Maximum alarm current	6.0 mA (LED on)
Analog level - Normal	16
Analog level - Alarm	64
Analog level - Trouble	4
Initiating device circuit (IDC)	
Wiring styles	Supervised power limited Class A or Class B
Voltage	10 V dc
Current	1.7 mA max
Line impedance	100 Ω max
End-of-line resistors*	47 KΩ
Open collector input	Not supervised Logic 1 is > 4 V dc Logic 0 is < 1 V dc
Output circuit	
Relay output	Non-supervised, programmable, dry contact 24 V dc, 1A:30 V ac, 0.5 A (resistive)

Protocol Compatibility

The Switch Monitor Input/Output Module uses XP95 protocol and is compatible with control equipment using XP95, Discovery and CoreProtocol® protocols.

Operation

The XP95A Switch Monitor Input/Output Module is operated by setting output bit 0. If the supply voltage is removed, the relay will not change state.

Addressing

The XP95A Switch Monitor Input/Output Module is addressed using segments 1 to 7 of the DIP switch. The eighth segment is used to select Class A or Class B wiring.

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