XP95A

Mini Switch Monitor Module

Product Overview

Product	**Mini Switch Monitor Module**
Part No.	**55000-831**
Digital communication	**XP95 - see Protocol Compatibility below**

Compliance

Product Information

The XP95A Mini Switch Monitor Module is a loop-powered device incorporating a monitored input circuit for connection to remote switches, for indoor use only.

The unit provides three input states to the control equipment: 'Normal', 'Trouble' and 'Alarm'.

- Three input states.
- Visible LED with remote LED connection option
- Loop powered
- Fits into equipment that has limited space
- Quick and simple installation

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*
Temperature range	*32 °F to 120 °F (0°C to 49°C)*
Humidity (no condensation)	*0% to 93% RH*
Standards and approvals	*UL, ULC and CSFM*
Dimensions	*3.0 in. (76 mm) wide x 1.75 in. (44.5 mm) high x 0.5 in. (12 mm) deep*
Weight	*1.5 oz (42.6 g)*
Material	*White flame-retardant polycarbonate*
Signal line circuit (SLC)	*Supervised power limited*
Supervisory current	*1 mA*
Surge current	*2.5 mA*
Maximum alarm current	*5.0 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 and Class B*
Voltage	*10 V dc*
Current	*1.7 mA max*
Line impedance	*100 Ω max*
End-of-line resistors*	*47 kΩ*

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

Protocol Compatibility

The Mini Switch Monitor uses XP95 protocol and is compatible with control equipment using XP95, Discovery and CoreProtocol® protocols.

Mechanical Construction

The Mini Switch Monitor is supplied as a PCB in a two-part polycarbonate molding with connections being made by six 150 mm flying leads. The address switch is accessible through an aperture in the molding. When the address has been set the aperture must be sealed with the label provided that should show the setting of the address switch.

The device is fitted with an LED which illuminates red in alarm. A remote LED connection is also provided which is switched with the integral LED.

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