

XP95A

Switch Monitor Input/Output Module



Product overview

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| 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.

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| 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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