Ampac

Fire detection and evacuation solutions that save lives.

Soteria Switch Monitor Unit

Features

- Improved design for ease of wiring, meaning faster installation
- Short circuit isolator
- Address range 1 - 126
- Compatibility with XP95 and Discovery protocol

Description

The Soteria Switch Monitor Unit is designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables to report the status. It has a selectable status reporting delay making it suitable for monitoring flow switches.

All data supplied is subject to change without notice. Specifications are typical at 24V, +25°C and 50% RH unless stated otherwise.

Status Indicators

Legend	LED Status	Description
Poll/ISO	Flashing Green	Polling LED
Poll/ISO	Continuous Yellow	Isolator LED
I/P	Continuous Yellow	Input Fault
I/P	Continuous Red	Input Active

Mechanical Construction

The Soteria Switch Monitor Unit is available in the new faceplate style enclosure. This can be mounted with the supplied back-box for surface mounting or flush mounted using a UK double gang, flush mounting back-box of minimum depth 30mm.
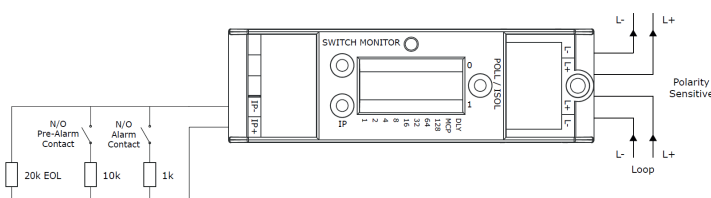
EMC Directive 2014/30/EU

The Soteria Switch Monitor Unit complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

Construction Products Regulation 305/2011/EU

The Soteria Switch Monitor Unit complies with the essential requirements of the Construction Products Regulation 305/2011/EU.

Connectivity

Refer to the Installation Guide for the installation instructions on this product.

Specifications

Specifications	
Supply Voltage (Vmin—Vmax)	17 to 35V dc
Protocol	5-13V peak to peak
Power-up surge current	900µA per Switch Monitor
Quiescent current	500µA per Switch Monitor
Max Current LEDs On	2mA per Switch Monitor
Max current LEDs disabled	500µA per Switch Monitor
Isolator data	Refer to short-circuit isolation datasheet PDS201-9001
Operating Temperature	-40°C + 70°C
Humidity	0% to 95% RH (no condensation or icing)
Vibration, impact and shock	EN54.17, EN54.18, AS7240.17 & AS7240.18
Standards & Approvals	EN54.17, EN54.18, CPR, LPCB, AS7240.17, AS7240.18 & SAI Global
Dimensions	60mm height x 150mm width x 90mm depth
Weight	239g

Part Number	Item Number	Description
SA4700-100AMP	4110-1104	Soteria Switch Monitor Unit

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