

Fire detection and evacuation solutions that save lives.

Soteria Input Output Unit

Features

- Improved design for ease of wiring meaning faster installation
- Short circuit isolator
- Address range 1 - 126
- Compatibility with XP95 and Discovery protocol
- Two input channels
- Failsafe mode (meets BS 7273-4 requirements)

Description

The Soteria Mains Input Output Unit provides a single line tolerant circuit containing one or more normally open contacts connected to a single pair of cables. It also provides a voltage free change over relay output capable of switching mains.

Mechanical Construction

The Soteria Mains Input Output 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 Mains Input Output 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 Mains Input Output 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.

Status Indicators

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

Part Number	Item Number	Description
SA4700-103AMP	4110-1107	Soteria Mains Input Output Unit



All data supplied is subject to change without notice.

Specifications are typical at 24V, +25°C and 50% RH unless stated otherwise.

Specifications

Supply Voltage (Vmin—Vmax)	17 to 35V dc
Protocol	5-13V peak to peak
Power-up surge current	1.1mA
Quiescent current	700µA
Max Current LEDs On	5.2mA
Max current LEDs disabled	700µA
Relay output contact rating	5A at 30V dc or 250V ac
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	301g

