

Fire detection and evacuation solutions that save lives.

# Soteria DIN 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
- Failsafe mode (meets BS 7273-4 requirements)

## Description

The Soteria DIN Input Output Unit provides supervision of one or more normally open volt free contacts connected to a single pair of cables and a set of changeover relay output contacts.

## 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 |

## Mechanical Construction

The Soteria DIN Input Output Unit is designed to be mounted on a 35mm width DIN rail inside an enclosure. The unit is not designed for outdoor use unless it is mounted in a suitable weatherproof enclosure.

## EMC Directive 2014/30/EU

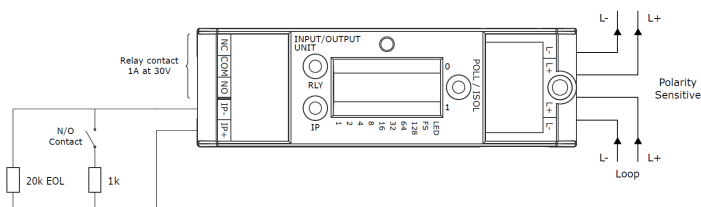
The Soteria DIN Input Output Unit complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

## Construction Products Regulation 305/2011/EU

The Soteria DIN 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.



## Specifications

|                             |  |
|-----------------------------|--|
| Supply Voltage (Vmin—Vmax)  | 17 to 35V dc   |
| Protocol                    | 5-13V peak to peak   |
| Power-up surge current      | 900µA  |
| Quiescent current           | 500µA  |
| Max Current LEDs On         | 3.5mA  |
| Max current LEDs disabled   | 500µA  |
| Relay output contact rating | 1A at 30V dc or 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                  | 33mm height x 102mm width x 33mm depth                         |
| Weight                      | 49g  |

| Part Number   | Item Number | Description                   |
|---------------|-------------|-------------------------------|
| SA4700-302AMP | 4110-1102   | Soteria DIN Input Output Unit |