

Fire detection and evacuation solutions that save lives.

# Soteria Twin 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 Twin Input Output Unit provides the function of two Input Output Units within one enclosure. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address.

Both input output units in the enclosure provide 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 Twin 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 a minimum depth 30mm.

## EMC Directive 2014/30/EU

The Soteria Twin 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 Twin 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.

Part Number	Item Number	Description
SA4700-104AMP	4110-1103	Soteria Twin Input Output Unit

## Specifications

Supply Voltage (Vmin—Vmax)	17 to 35V dc
Protocol	5-13V peak to peak
Power-up surge current	900µA per Input Output unit
Quiescent current	500µA per Input Output unit
Max Current LEDs On	3.5mA per Input Output unit
Max current LEDs disabled	500µA per Input Output unit
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	60mm height x 150mm width x 90mm depth
Weight	281g

