



INTERFACES - INTELLIGENT SOTERIA® INPUT/OUTPUT UNITS



**SINGLE I/O UNIT
AP-SAI-IO**



**DUAL I/O UNIT
AP-SAI-IO2**

INPUT/OUTPUT UNIT

The Soteria® I/O Unit provides supervision of one or more normally open contacts connected to a single pair of cables and a set of changeover relay output contacts.

DUAL INPUT/OUTPUT UNIT

The Soteria Dual I/O Unit provides the function of two Input/Output Units within one enclosure.

These two units are electrically independent of each other and each unit has a DIL switch for address setting.

As with the Single I/O Unit, the dual unit also 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.

The Soteria I/O Units comply with the essential requirements of the EMC Directive 2014/30/EU, as well as the Construction Products Regulation 305/2011.

FEATURES

SINGLE & DUAL INPUT/OUTPUT UNITS

- Improved design for ease of wiring facilitates faster installation
- Contains controllable isolator*
- Address range 1-254*
- Nine pre-configured modes, including compatibility mode from XP95/Discovery to CoreProtocol® systems*
- Failsafe mode compliant to BS 7273-4 requirements
- Configurable input styles*
- Earth fault monitoring*

Note: *CoreProtocol® enabled systems feature only.

Please check with Technoswitch for availability.

APPROVALS

- EN54-17, EN54-18 (Incl. Vibration, Impact & Shock)
- CPR
- LPCB



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SPECIFICATIONS

INPUT/OUTPUT UNIT - AP-SAI-IO

Supply Voltage	17-35 V DC
Protocol	5-13 V peak to peak
Power-up Surge Current	900 μ A
Quiescent Current	500 μ A
Max Current	
LEDs On	3.5 mA
LEDs Disabled	500 μ A
Relay Output Contact Rating	1 A at 30 V DC or AC
Operating Temperature	-40 °C to +70 °C
Humidity	0 % to 95 % RH (no condensation or icing)
Dimensions H x W x D	60 x 150 x 90 mm
Weight	244 g

DUAL INPUT/OUTPUT UNIT - AP-SAI-IO2

Supply Voltage	17-35 V DC
Protocol	5-13 V peak to peak
Power-up Surge Current	900 μ A per I/O Unit
Quiescent Current	500 μ A per I/O Unit
Max Current	
LEDs On	3.5 mA per I/O Unit
LEDs Disabled	500 μ A per I/O Unit
Relay Output Contact Rating	1 A at 30 V DC or AC
Operating Temperature	-40 °C to +70 °C
Humidity	0 % to 95 % RH (no condensation or icing)
Dimensions H x W x D	60 x 150 x 90 mm
Weight	281 g

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

ORDERING INFORMATION

Product Code	Product Description
AP-SAI-IO	SOTERIA®/XP95 Intelligent Input/Output Unit
AP-SAI-IO2	SOTERIA®/XP95 Intelligent Dual Input/Output Unit
AP-SAI-SM	SOTERIA®/XP95 Intelligent Switch Monitor
AP-SAI-SM2	SOTERIA®/XP95 Intelligent Dual Switch Monitor
AP-SAI-MSIO	SOTERIA®/XP95 Intelligent Mains Switching Input/Output Unit
AP-SADIN-IO	SOTERIA®/XP95 Intelligent DIN Rail Input/Output Unit
AP-SADIN-MSIO	SOTERIA®/XP95 Intelligent DIN Mains Switching Input/Output Unit
AP-SADIN-SM	SOTERIA®/XP95 Intelligent DIN Rail Switch Monitor

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