



INTERFACES - INTELLIGENT SOTERIA® MAINS SWITCHING INPUT/OUTPUT UNIT



MAINS SWITCHING
INPUT/OUTPUT UNIT
AP-SAI-MSIO

DESCRIPTION

The Soteria® Mains Switching Input/Output Unit provides a single line tolerant circuit (CoreProtocol® only) containing one or more normally open contacts connected to a single pair of cables.

The unit also provides a voltage-free changeover relay output capable of switching mains.

The Mains Switching Input/Output Unit is designed to switch voltages of up to 250 V.

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

FEATURES

- 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*
- Two input channels
- 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

MAINS SWITCHING INPUT/OUTPUT UNIT - AP-SAI-MSIO

Supply Voltage	17-35 V DC
Protocol	5-13 V peak to peak
Power-up Surge Current	1.1 mA
Quiescent Current	700 μ A
Max Current	
LEDs On	5.2 mA
LEDs Disabled	700 μ A
Relay Output Contact Rating	5 A at 30 V DC or 250 V 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	301 g

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

ORDERING INFORMATION

Product Code	Product Description
AP-SAI-MSIO	SOTERIA®/XP95 Intelligent Mains Switching Input/Output Unit
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-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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