



XP95 MAINS SWITCHING INPUT/OUTPUT UNIT

FUNCTION

The XP95 Mains Switching Input/Output Unit provides a voltage-free, single pole change-over relay output and a monitored switch input.

FEATURES

The Mains Switching Input/Output Unit supervises one or more normally-open switches connected to a single pair of cables.

ELECTRICAL CONSIDERATIONS

The XP95 Mains Switching Input/Output Unit is loop powered and operates at 17–28V dc with protocol voltage pulses of 5–9V. The loop connections are polarity sensitive.

PROTOCOL COMPATIBILITY

The unit will operate only with control equipment using the Apollo XP95 or Discovery protocol.

MECHANICAL CONSTRUCTION

The Input/Output Unit is supplied with a backbox for surface mounting. It is designed for indoor use only.

Three LEDs, two red and one yellow, are visible through the front cover of the enclosure.

One red LED is illuminated to indicate that the relay is set. The second red LED is illuminated to indicate that the switch input is closed.

The yellow LED is illuminated whenever a fault condition (open or short circuit) has been detected.



Part no 55000-875

All LED indicators can be disabled using segment 8 of the DIL switch.

The enclosure is moulded from polycarbonate.

Dimensions and weight of Mains Switching Input/Output Unit:

150 x 90 x 48mm

240g

Technical data

Series 90/XP95 loop voltage	17–28V DC
Maximum current consumption at LED enabled	24V
switch-on surge, max 150ms	3.5mA
quiescent, 20kΩ EOL fitted	1.25mA
switch input closed, 'switch closed' LED on	2.5mA
any other condition, max 2 LEDs on	2mA
LED disabled	
switch-on surge, max 150ms	3.5mA
quiescent, 20kΩ EOL fitted	1.2mA
switch input closed,	1.5mA
any other condition	2mA
Rated load (resistive)	5A at 250V AC
	2A at 48V DC
Max switching capacity	1.25kVA
Switch input monitoring voltage (open-circuit condition)	9–11V DC
Maximum cable resistance	50Ω

Environmental Data

Operating temperature		-20°C to +70°C
Humidity (no condensation)		0-95%
Cyclic humidity	}	to EFSG/F/95/007
Impact		
Surface temperature under max load	}	BSEN61010-1:1993
Vibration		
Rigidity		
Dielectric strength		
IP rating		54
CE marked		

Schematic Diagram and Wiring Connections

