



XP95

OUTPUT UNIT WITH ISOLATOR

FUNCTION

The XP95 Output Unit with Isolator provides two voltage-free, single pole, change-over relay outputs.

FEATURES

The Output Unit returns an analogue value of 16 under all conditions.

The Output Unit is fitted with a bi-directional short-circuit isolator and will be unaffected by loop short-circuits on either loop input or output.

ELECTRICAL CONSIDERATIONS

The XP95 Output Unit is loop powered and operates at 17-28V DC with protocol voltage pulses of 5-9V.

The Output Unit is designed to accept a maximum line resistance of 50Ω.

MECHANICAL CONSTRUCTION

The Output Unit is normally supplied with a back box for surface mounting. It is also available without the back box for flush mounting. Both versions are designed for indoor use only.

One red LED and one yellow LED are visible through the front cover of the enclosure. The red LED is illuminated to indicate that the relay is set.



Part no 55000-849

The yellow LED is illuminated whenever the built-in isolator has sensed a short-circuit loop fault.

The enclosure is made from white polycarbonate.

Dimensions and weight of Output Unit (surface mount):

150 x 90 x 48mm 240g



INVESTOR IN PEOPLE



A HALMA COMPANY

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Technical Data

Minimum loop operating voltage in normal conditions	17V DC
Maximum loop operating voltage	28V DC
Maximum current consumption	at 24V DC no protocol
Switch-on surge, max 100ms	3mA
Quiescent	400µA
Relay operated	1.8mA
Relay operated (LED disabled)	600µA
Relay output contact rating at 30V AC or DC	1A (inductive or resistive)
Relay output wetting current at 10mV DC	10µA
On resistance	0.2Ω
Maximum continuous current	1A
Maximum switching current	3A
Maximum load	20 XP95/Discovery detectors
Operating temperature	-20°C to +70°C
Humidity (no condensation)	0-95%
Shock Vibration Impact	} to GEI 1-052
IP rating	54
Radiated and conducted RF emissions	to BS EN 61000-6-3:2001
Radiated and conducted RF immunity	to BS EN 50130-4:1996

CE marked

Low Voltage Directive 73/23/EEC

No electrical supply greater than 50V AC rms or 75V DC should be connected to any terminal of this Isolated Output Unit.

A copy of the Declaration of Conformity is available from Apollo on request.

Schematic Diagram and Wiring Connections

