



DIN-Rail Output Unit

FUNCTION

The DIN-Rail Output Unit provides a voltage-free, single pole, change-over relay output

FEATURES

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

The change-over contact is operated by a software command from the panel.

ELECTRICAL CONSIDERATIONS

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

PROTOCOL COMPATIBILITY

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

PROTOCOL BIT USAGE

See Table 1 overleaf.

MECHANICAL CONSTRUCTION

The DIN-Rail Output Unit is supplied in a standard housing which is clipped onto a standard 35mm DIN-Rail (DIN 46277) using end stops, part number 27447–528.

Connections are made via plug-in terminal blocks which accept wires up to 2.5mm².



Part no 55000–804

One red LED is visible through the top cover of the enclosure. This LED is illuminated to indicate that the relay is set. The LED can be disabled, by means of the DIL switch, to reduce loop current.



© Apollo Fire Detectors Limited 1997–2010



Overseas offices:

America China Germany Ireland Spain

36 Brookside Road, Havant,
Hampshire, PO9 1JR, UK.

A HALMA COMPANY

Tel: +44 (0)23 9249 2412
Fax: +44 (0)23 9249 2754

Email: sales@apollo-fire.co.uk
Web: www.apollo-fire.co.uk

DIMENSIONS AND WEIGHT

110 x 107 x 20mm 90g

ENCLOSURES

To meet EN54-18 requirements the DIN-Rail Output Unit should be installed within a steel enclosure weighing greater than 4.75kg, available from electrical wholesalers and distributors.

EMC DIRECTIVE 2004/108/EC

The DIN-Rail Output Unit complies with the essential requirements of the EMC Directive 2004/108/EC, provided that it is used as described in this PIN sheet and that the contact is not operated more than five times a minute or twice in any two seconds.

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

Conformity of the DIN-Rail Output Unit with the EMC directive does not confer compliance with the directive on any apparatus or systems connected to it.

TECHNICAL DATA

Loop voltage	17-28V DC
Maximum current consumption, at 24V	
switch-on surge, max 160ms	3mA
quiescent	1.0mA
relay operated (LED enabled)	3.3mA
relay operated (LED disabled)	1.0mA
Maximum cable resistance	50Ω
Relay output contact rating at 30V DC, max	1A (resistive)
Operating temperature	-20°C to +70°C
Humidity (no condensation)	0-95%
IP rating	20

Protocol Bits	Function
Output Bit 2	Not used
Output Bit 1	Not used
Output Bit 0	1 = relay set
Analogue value Bits	16 in all conditions
Input Bit 2	Not used
Input Bit 1	Not used
Input Bit 0	Not used
Interrupt	Not Used
XP Flag Set	No
Alarm Flag Set	No

Table 1 Protocol Bit Usage

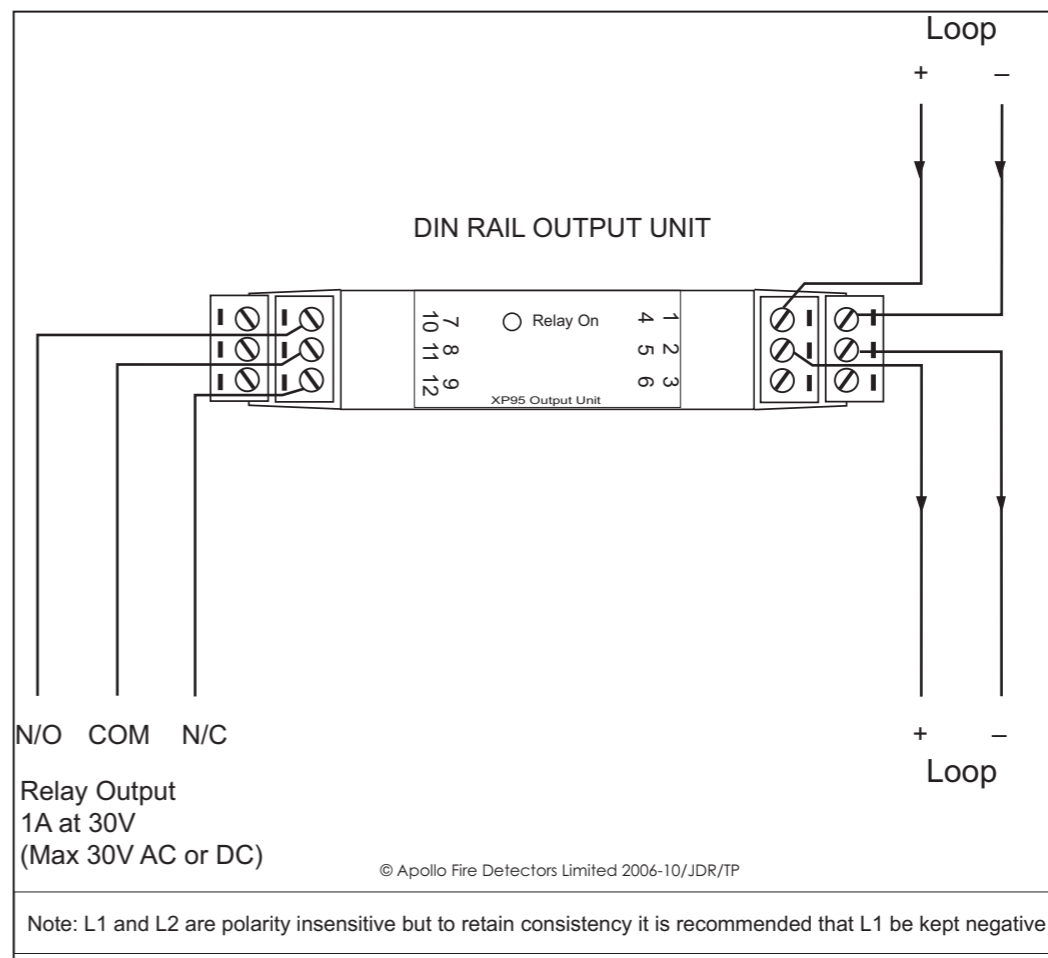


Fig 1 Schematic wiring and connection diagram

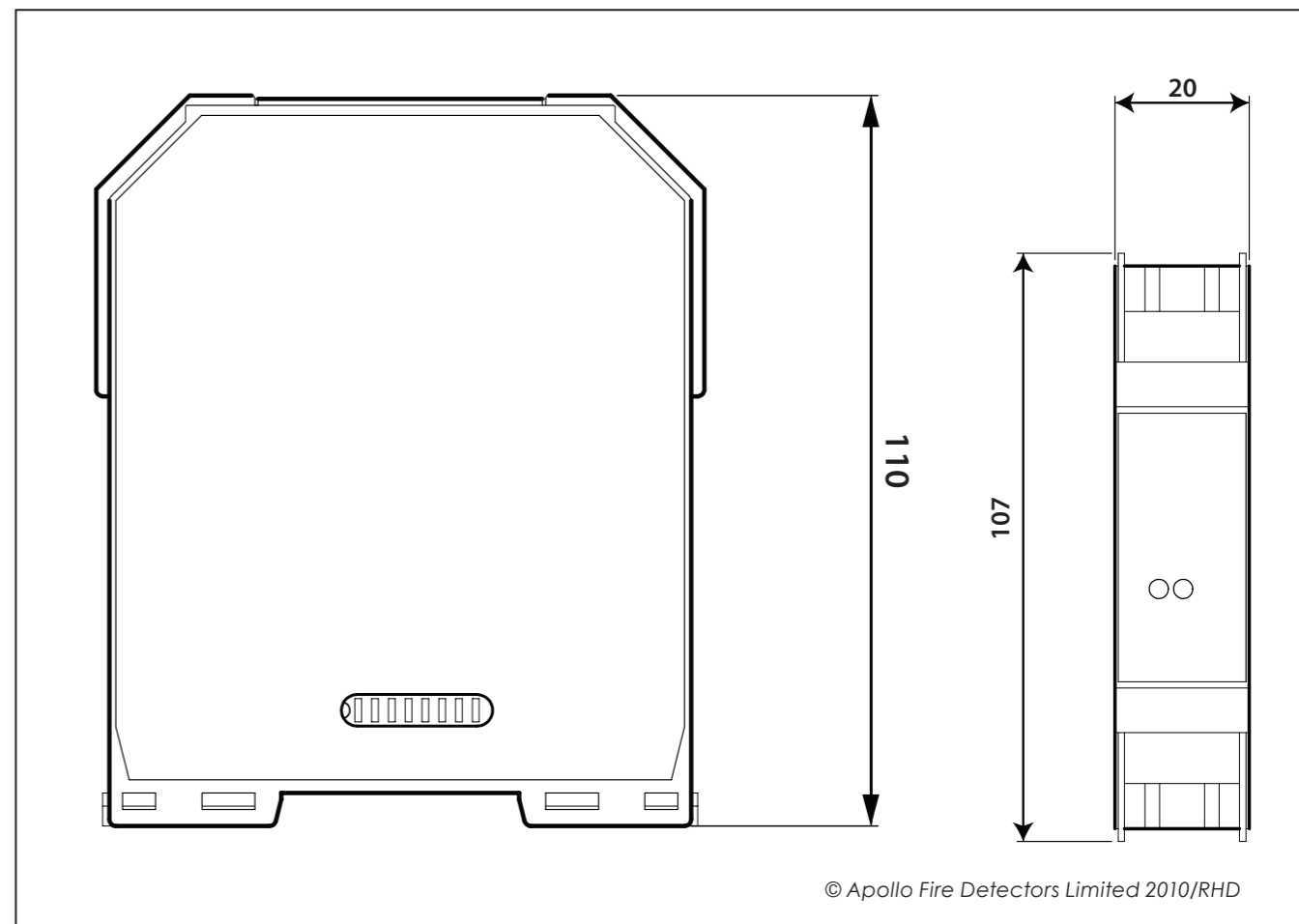


Fig 2 Dimensional Drawing (mm)

