•**:::XP**9[

XP95 Three Channel Input/Output Module



Product

Product	Three Channel Input/Output Module
Part No.	55000-590APO
Digital communication	XP95, Discovery and CoreProtocol® compatible

Product information

The Three Channel Input/Output module provides three single pole, voltage-free, clean contact changeover relay outputs with common, normally open and normally closed terminals provided for field cabling, and three monitored switch inputs.

- Uses a single address
- Built-in Short Circuit Isolator
- 3mm screw fixing (supplied) or DIN Rail mounting • option
- Diagnostic LED Indications
- Monitored inputs

Technical data

All data is supplied subject to change without notice. Specifications are typical at 24 V, 25°C and 50% RH unless otherwise stated		
Supply voltage	17 V - 28 V dc	
Digital communication protocol compatability	XP95, Discovery and CoreProtocol	
Maximum current consumption at 27	7 V dc	
LED enabled		
Switch-on surge current	5.97 mA	
Quiescent current at 27 V dc	0.66 mA	
Max current LEDs on	6.10mA	
Max current LEDs disabled	3.07mA	
Must be used in a suitable enclosure/mounting box (not supplied) such as Apollo's DIN Rail Interface Enclosure (29600-239 or 29600-240)		
Maximum Line Voltage	Vmax 28Vdc	
Nominal line voltage	Vnom 27Vdc	
Minimum line voltage	Vmin 17Vdc	
Maximum voltage device isolates	Vso max 16Vdc	
Minimum voltage device isolates	Vso min 12Vdc	
Maximum voltage device reconnects	Vsc max 17Vdc	
Minimum voltage device reconnects	Vsc min 12Vdc	
Maximum Rated Current	lc max 1A	
Maximum rated switching current	ls max 3.3A	
Maximum leakage current	ll max 32mA	
Maximum series impedance switch closed	Zc max 60mΩ	
Product operating temperature	-40 °C to + 40 °C	
Humidity	0 - 95% RH	
Standards and approvals	EN54-17, EN 54-18, CPR	
Dimensions	25mm H x 68mm W x 95mm L	
Weight	76 g	
Material	Flame-retardant polycarbonate	
Note: For further information on the is	solator refer to PP2090 -	

No Short-circuit isolation - available from www.apollo-fire.co.uk

36 Brookside Road, Havant Hampshire, P09 1JR, UK.

Tel: +44 (0)23 9249 2412 Email: enquiries@apollo-fire.com Fax: +44 (0)23 9249 2754 Web: www.apollo-fire.co.uk

All information in this document is given in good faith but Apollo Fire Detectors Ltd cannot be held responsible for any omissions or errors. The company reserves the right to change the specifications of products at any time and without prior notice.









© Apollo Fire Detectors Ltd 2024



Features

The Three Channel Input/Output module provides three single pole, voltage-free, clean contact change-over relay outputs with common, normally open and normally closed terminals provided for field cabling, and three monitored switch inputs. The inputs are monitored for short and open circuit conditions and are protected against accidental connection to the detection loop.

The device is loop-powered and incorporates bidirectional isolation circuitry to provide against detection loop short circuits. On-board LED status indication is provided for service and commissioning purposes, a feature that can be deactivated during normal operation to reduce the current draw on the system.

A 10-way DIP switch is provided to set the device address and LED control.

EMC Directive 2014/30/EU

The Three Channel Input/Output Module complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this data sheet.

A copy of the Declaration of Conformity is available from the Apollo website: www.apollo-fire.co.uk

Conformity of the Three Channel Input/Output Module with the EMC Directive, does not confer compliance with the directive on any apparatus or systems connected to them.

Construction Products Regulation (EU) 305/2011

The Three Channel Input/Output Module complies with the essential requirements of the Construction Products Regulation (EU) 305/2011.

A copy of the Declaration of Performance is available from the Apollo website: www.apollo-fire.co.uk

Low Voltage Directive 2014/35/EU

No electrical supply greater than 50 V ac rms or 75 V dc should be connected to any terminal of the Three Channel Input/Output Module.

Addressing



Address 1 with LED enabled



Address 33 with LED enabled

Please note: Switch positions are opposite to other Apollo products (1 is up, 0 is down)

LED	State	Description
Yellow	Off	Input Normal
	Steady	Alarm Condition
	Flashing	Input fault: short or open
Green	Off	No isolation fault and device not being polled
	Steady	Device has an isolation fault
	Flashing	Device has been polled at its address

LED Status Indicator

PP5144/2025/Issue 1

Page 3 of 3





36 Brookside Road, Havant Hampshire, P09 1JR, UK.
 Tel: +44 (0)23 9249 2412
 Email: enquiries@apollo-fire.com

 Fax: +44 (0)23 9249 2754
 Web: www.apollo-fire.co.uk

All information in this document is given in good faith but Apollo Fire Detectors Ltd cannot be held responsible for any omissions or errors. The company reserves the right to change the specifications of products at any time and without prior notice.







A **Halma** company

© Apollo Fire Detectors Ltd 2024

