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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Zone Monitor with Isolator

Addressable - Devices

Part No. 55000-845APO

www.illuminoignis.co.uk

Product Details

The XP95 Zone Monitor with Isolator powers and controls the operation of a zone of up to 20 Orbis/Series 65 Apollo fire detectors from the Apollo loop and is for indoor use only.



Features

The XP95 Zone Monitor with Isolator returns a preset analogue value when all detectors on the zone are in quiescent state. A different value is returned when a detector changes to the alarm state. The Zone Monitor with Isolator latches in the alarm state.

The Zone Monitor with Isolator is fitted with a bi-directional short circuit isolator and will be unaffected by loop shortcircuits on either the loop input or loop output.

Two LEDs, one red and one yellow, are visible through the front cover of the enclosure. The red LED is illuminated to indicate that a fire alarm condition has been detected on the zone wiring. The yellow LED is illuminated whenever the built-in isolator has sensed a short-circuit loop fault.

Technical Specifications

Supply Voltage	17 V–28 V dc with protocol pulses of 5 - 9 V dc.	
Zone voltage	(Loop voltage 22 V)	19 V ± 1 V
	(Loop voltage < 22 V)	Loop voltage - 1.5 V
Maximum current consumption at 24V (5.1 kΩ EOL)	Switch-on surge, 150 ms max	3.5 mA
	Quiescent	4 mA plus detector load
	Alarm	11 mA (19 mA when increased current enabled)
	Short circuit	11 mA
End-of-line resistor value	5.1 k ± 5% 1/3 W	
Stabilisation time on power-up	4 seconds	
Maximum capacitor on zone terminals	50 µF	

Operating temperature	-20 °C to +70 °C
Humidity (no condensation)	0% to 95% RH
Standards and Approvals	CPR, LPCB, VdS, VNIIPO, FG, CCCf and CCMG
IP Rating	IP54
Dimensions	150 mm wide x 90 mm height x 48 mm deep
Weight	230 g
Materials	White flame retardant polycarbonate

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.

0203 00 44 855
sales@illuminoignis.co.uk
illuminoignis.co.uk

Illumino Ignis Ltd, Ignis House,
Imperial Way, Eagle Business Park,
Yaxley, Cambridgeshire, PE7 3GP

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EMC Directive 2014/30/EU

The XP95 Zone Monitor with Isolator complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

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

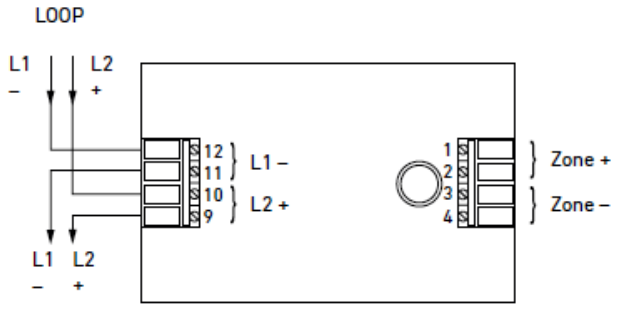
Conformity of the XP95 Zone Monitor with Isolator with the EMC Directive, does not confer compliance with the directive on any apparatus or systems connected to it.

Construction Products Regulation 305/2011/EU

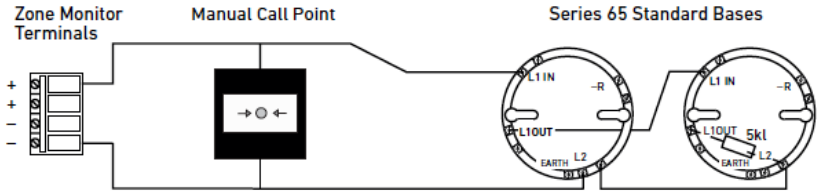
The XP95 Zone Monitor with Isolator complies with the essential requirements of the Construction Products Regulation 305/2011/EU.

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

Loop connections

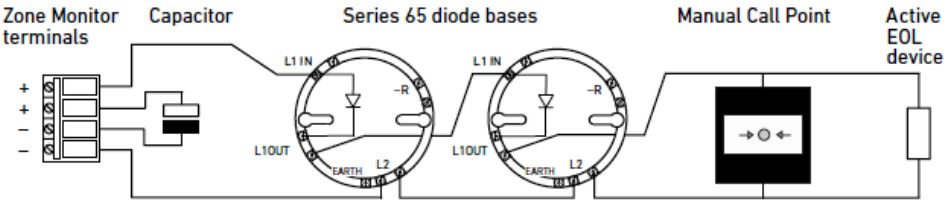


Zone connections - standard bases with 5.1 Ω monitoring resistor at end of line



Note:
If a 5kl is used for monitoring all MCPs must be connected between the zone monitor unit and the first detector

Zone connection - diode bases with active EOL device



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