

## XP95A Short-circuit Isolator Installation Instructions

### General

XP95A Short-circuit Isolators are designed to sense and isolate short-circuits on XP95A loops. The Short-circuit Isolator, part number 55000-750, is used in conjunction with an Isolator Base, part number 45681-211.

### Control Panel Compatibility

The Short circuit Isolator and Isolator Base have been listed by Underwriters Laboratories Inc. For details of compatible control panels contact Apollo Fire Detectors Limited. Please check fire control panel literature for compatible Apollo devices.

### Installation

The Short-circuit Isolator must be installed in accordance with applicable NFPA standards, local codes and jurisdictional authorities. Failure to follow these instructions may result in failure of the unit or detectors to report an alarm condition. Apollo Fire Detectors Limited is not responsible for equipment which is improperly installed, maintained or tested.

Before installing the Short-circuit Isolator, check continuity, polarity and insulation resistance of all wiring. Check that siting is in accordance with the fire system drawings and conforms to all applicable local codes such as NFPA 72.

Use 3" octagonal box for direct connection to the base. 4" octagonal and 4" square boxes may be used with proper UL listed mounting brackets. Secure the base to the electrical box with appropriate screws. **Do not overtighten the screws.**

### Commissioning

It is important that the system be fully tested after installation. In normal operating conditions, apply short-circuits to the supply wiring at various points to confirm the isolators are functioning correctly. Ensure that any applicable local codes are adhered to.

### LED Indicators

Yellow LED illuminated if a short circuit is detected on either side of the isolator.

©Apollo Fire Detectors Ltd 2017

Apollo America Inc., 25 Corporate Drive, Auburn Hills, Michigan, 48326, USA  
Tel: (248) 332-3900 Fax: (248) 692-0888  
Email: info.us@apollo-fire.com Website: www.apollo-fire.com

In the UK: Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, Hants, PO9 1JR, UK  
Tel +44 (0)23 9249 2412 Fax +44 (0)23 9249 2754  
Email: techsales@apollo-fire.com Website: www.apollo-fire.co.uk

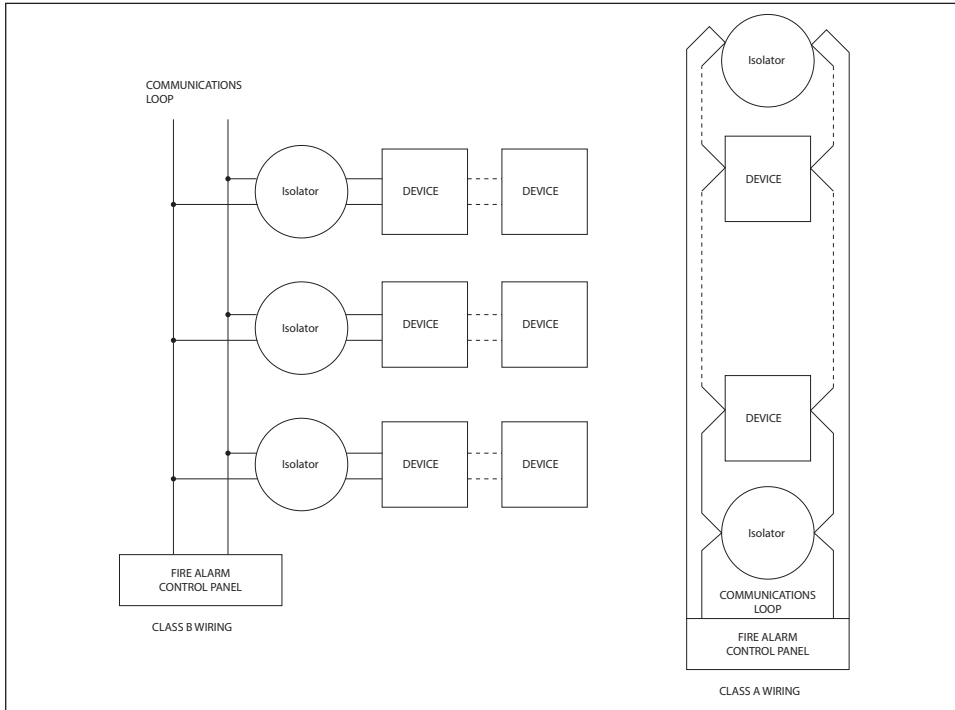


Fig. 1- Class wiring diagram

**Specifications**

<b>Part no</b>	55000-750 (Isolator), 45681-211 (Isolator Base)
<b>Compatibility Identifier</b>	55000-750 (Isolator), 45681-211 (Isolator Base)
<b>Type</b>	Isolator and Isolator Base
<b>Style</b>	Mounting base and twist-in isolator module
<b>Base Material</b>	White polycarbonate, V-0 to UL94
<b>Dimensions</b>	4" x 1 1/4"
<b>Temperature Range</b>	32°F to 100°F (0°C to 38°C)
<b>Humidity</b>	10 to 93% RH Non-condensing
<b>Wiring Size</b>	24AWG - 14AWG
<b>Signal Line Circuit (SLC)</b>	Supervised
<b>Working Voltage</b>	17-28V dc (maximum DC voltage range)
<b>Operating Current</b>	Modulation Voltage 5-9V (peak to peak)
	Supervisory Current 110µA
	Surge Current 0mA
	Maximum current drawn 8.5mA
	Maximum line impedance 50Ω

Must be connected to power limited circuit with a maximum loop current of continuous 1A.

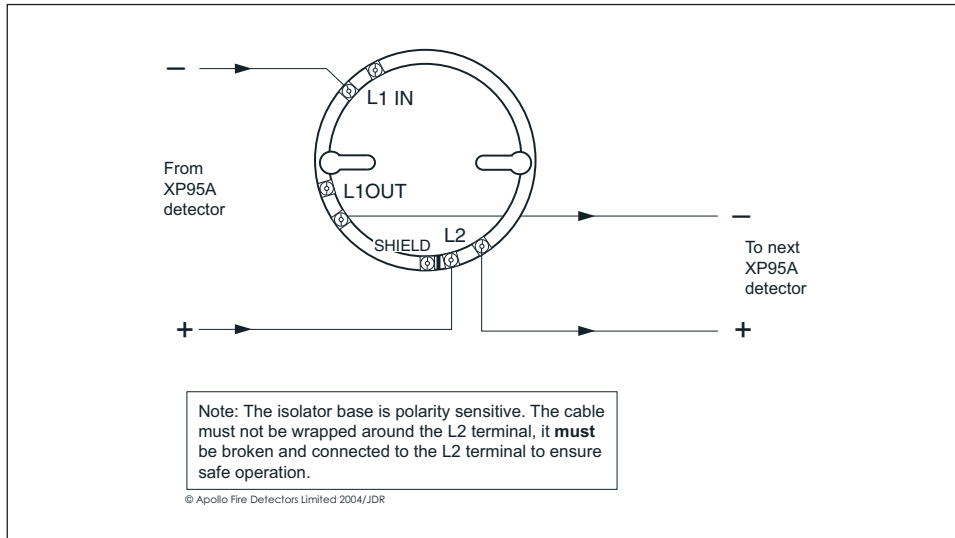


Fig. 2- XP95A Isolator Base wiring diagram