

# Isolator



## Product Overview

Product Type	Isolator
Part No.	FW 55000-750

## Product Information



**CAUTION: Product use**  
The Isolator can only be used with an isolator base - Part No. 45681-211. It will not fit a standard addressable base.

The Isolator is placed at intervals on the loop and ensures that, in the case of a short circuit, only the section between the isolators will be affected. When the short circuit is removed, the isolators automatically restore power and data to the isolated section.

- Detects wiring short-circuits using patented technology
- Minimizes disruption from short circuits
- Automatic de-isolation on short-circuit removal
- Up to 20 devices may be installed between isolators

## Technical data

All data is supplied subject to change without notice. Specifications are typical at 24V, 73°F and 50% RH unless otherwise stated.

Working voltage	17 V - 28 V dc (max dc voltage range)
Digital communication	(Discovery and CoreProtocol compatible)
Modulation voltage	5 - 9 V peak to peak
Single line circuit (SLC)	Supervised
Supervisory current	110 $\mu$ A
Surge current	0 mA
Maximum current drawn	8.5 mA
Maximum line impedance	50 $\Omega$
Temperature range	32 °F to 100 °F (0°C to 38°C)
Humidity (no condensing or icing)	10% to 93% RH
Dimensions	4.0 in. (100 mm) diameter x 1.25 in. (32 mm) height
Materials	White flame-retardant polycarbonate

### Notes:

1. The isolator must be connected to a power limited circuit with a maximum loop current of continuous 1 A.
2. For further information on the isolator refer to PP2090 - Short-circuit isolation. Available from [www.apollo-fire.co.uk](http://www.apollo-fire.co.uk)