

**Odyssey Standalone Isolator** 200-504

Product	Standalone Isolator
Part No	200-504
Digital Communication	Odyssey, Discovery and Core Protocol

PRODUCT SUMMARY

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. The Isolator can only be used with an Isolator base and will not fit a standard addressable base. The Isolator Base is only suitable for use with the Isolator.

Key Features:

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

TECHNICAL SPECIFICATION

All data is supplied subject to change without notice. Specifications are typical at 24 V, 25 C & 50% RH unless otherwise stated.

Operating Voltage	17 V - 28 V dc (max dc voltage range)
Digital Communication	Odyssey, Discovery & CoreProtocol compatible
Modulation Voltage	5 - 9 V peak to peak
Quiescent Current	35 uA
Surge Current	0 mA
Max Current Drawn	8.5 mA
Max Line Impedance	50 Ohms
Operating Temp	-30 C to +80 C
Humidity	(no condensing or icing) 10% to 93% RH
Standards & Approvals	CPR, LPCB, VdS
Dimensions	100 mm diameter x 3.5 cm height
Materials	White flame-retardant polycarbonate

Note: for further details on short-circuit isolation, please refer to PP2090 Short Circuit Isolation - available upon request.