ISM-95

2000/900 Series isolator module w/ housing

General

The ISM-95 is a stand-alone loop isolator that may be used for protection of both 2000 and 900 series addressable loops. It is supplied in a CPD approved enclosure for easy installation.

The ISM-95 senses and isolates overload and short circuit faults on the addressable device loop. A yellow LED on the PCB indicates an isolation condition. Any device connected to the auxiliary device terminals continue to operate in the event of a single short circuit fault on either side.

Functionality and use

The function of the ISM-95 is to protect the integrity of the addressable loop in case of an overload or short-circuit on part of the loop. In such event the entire data circuit is not lost but only the effected part of the loop is isolated.

For full protection it is recommended that every addressable device in the loop be fitted with a ISM-95 isolator. For regulatory purposes it is specified that not more than a single detection zone is affected by a single fault on the loop, containing no more than 32 devices.



Details

- Protection against overload conditions
- Automatic restore when fault is corrected
- Local isolated indication
- Device connected to isolator remains operational
- CPD Approved

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Technical specifications

Electrical

Operating voltage	17 to 28 VDC
Current consumption	0.7 mA (standby) <1.6 mA (isolated 800 mA (passing current, max.)

Physical

Physical dimensions	89 x 43 x 37 mm (H X W X D)
Net weight	147 g
Mounting type	Surface mount

Environmental

Operating temperature	-10 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP55

Regulatory

Certification	EN54-17

Line resistance

Normal	0.1 Ohms

Switching voltage

Normal to isolated	14 V
Isolated to normal	14.5 V

Isolation line

	Negative breaking isolator

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Last updated on 15 October 2026 - 16:36