ZPR868

Ziton series Addressable 868 MHZ - Radio Loop Module (RLM)

General

The ZPR868 is a Ziton protocol, radio loop module for interfacing a zone of wireless 868 MHz Ziton fire alarm devices into a ZP fire alarm system. It enables these wireless devices to be controlled directly from the ZP hardwired loop, and provides a seamless interface between the hardwired components and the wireless devices.

System design

The ZPR868 comprises of a radio transceiver capable of receiving 31 radio devices. An LCD display is provided along with function buttons to allow programming and diagnostics to be carried out for associated devices. The interface is addressed on the loop via its onboard 8 way DIP switch. A total of 2 ZPR868 units may be fitted onto a single fire alarm control panel loop controlling up to 62 wireless loop devices.

Seamless addition of wireless devices

Every wireless device controlled through the ZPR868 has its own unique address with which the main fire alarm control panel communicates with it, providing the same system capabilities as directly wired devices. A full range of wireless detection and alarm devices is available, including multi-sensors capable of dual sensing heat and smoke, smoke only or heat only configurations, manual call points, notification devices (sounders & beacons) as well as input/output units.

Full flexibility

Wireless devices are featured in many fire detection and alarm systems, specified where the installation of hard wiring would be difficult or impossible to complete, decorative finishes to the interior of the protected building preclude wiring runs or where the time scales to complete installation are minimal. The ZPR868 allows the system designer full flexibility in selecting which devices on the loop are to be hardwired and which are to be wireless.



Details

- Programmable to suit protected area
- Automatic selection from 32 radio channels for reliable signalling
- Multipath technology ensures a robust radio solution
- Diversity transceivers allow maximum operational range
- Complies with EN300-220
- EN54-17,18, 25 and CPR certified

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Technical specifications

General

Status indication	16 character LCD display
Wireless frequency	868 MHz
Compatibility	Ziton ZP7 series addressable systems

Electrical

Operating voltage	16 to 22 VDC
Current consumption	26 mA (typical) 77 mA (max.)
Configuration	<2 Radio devices per loop
Output transmitter power	Variable 0-14 dBm

Isolation

Series resistance	0.8 Ω
Switch current	0.8 A
Leakage current	0.2 A

Physical

Physical dimensions	270 x 205 x 75 mm (W x H x D)
Net weight	950 g
Colour	Grau (Pantone 428c)
Mounting type	Wandmontage
Material	Plastik

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C
Storage temperature	-20 to +60°C
Relative humidity	0 to 95% noncondensing
Environment	Drinnen
IP rating	IP54

Regulatory

Compliancy	CE, REACH, RoHS, WEEE
Certification	CPR
Standards	EN54-17, EN54-18, EN54-25, ETSI 300-220

Compatible products

Category	Reference	Description
Interface unit	ZCC868	Configuration cable & software for 868 Mhz controllers

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