UTC Fire & Security
A United Technologies Company

Product Data Sheet

ZPR868

Ziton 868 MHz, Multi-channel, Bi-directional Radio Loop Module

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.

Standard Features

- 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
- EN54-25 and CPD certified

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Specifications

Model number	ZPR868
Description	Ziton Protocol 868 MHz - Radio loop module (RLM)
Approval	CPD Certified to EN54:25 ENTSI 300-220
Operating frequency	868 MHz
Configuration	< 2 Radio devices per loop
Compatibility	All ZP addressable systems
Mounting	Surface
Power requirements (at 24 VDC)	17 mA
Operating voltage	18 to 24 VDC
Indications	16 character LCD display
Application	Indoors
EN60529	IP40
Temperature range	-10°C to +70°C (ambient)
Humidity range (noncondensing)	10% to 95% RH
Construction	Enclosure - Plastic box
Dimensions without aerials (h x w x d)	270 x 270 x 75 mm
Colour	Pantone 428c Cool grey
Weight	950 g

Ordering Information

Part No.	Description
ZPR868	Ziton 868 MHz, Multi-channel, Bi-directional Radio Loop Module

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