ZCR452

ZCR452 CONVENTIONAL WIRELESS DUAL IO UNIT W/ CIC & BATTERY PACK

General

The ZCR452 is an interface between a conventional fire detection zone and a range of wireless, 868 MHz field devices. It provides a method of interfacing a conventional system with a zone of wireless field devices in areas where the installation of system wiring is not an option.

Usage

The ZCR452 allows for any compatible conventional fire detection zone to be connected directly to the unit. The ZCR452 in turn provides fire and fault notifications from the wireless field devices to these conventional circuits. In addition any conventional notification circuit may also be wired to the ZCR452, allowing wireless notification devices to be controlled from the conventional notification controller in a similar way to any hardwired conventional notification device.

The system

From the conventional interfaces the ZCR452 relays all signals wirelessly to a ZCR868-C wireless cluster communicator that in turn controls a complete zone of wireless detectors, remote indicators, manual call points, input/output units and/or audio, visual or audio visual notification devices. Any abnormalities from the wireless field devices such as faults, alarms, device removal, low battery etc. are relayed back from the cluster communicator to the ZCR452 where they are converted into basic conventional signals that are interpreted by the conventional interface and relayed and displayed on the fire system.

Power supply

The ZCR452 is powered by 6 Duracell AA MN1500 LR6 alkaline batteries providing up to 5 years of operational life under normal site conditions. Any abnormal battery condition is reported to the fire system.

Details

- Provides conventional systems with wireless capabilities
- No special conventional interfaces required
- Flexible impedance matching for conventional circuits
- Monitors all wireless alarm and fault messages
- Conventional control interface for wireless notification devices and IO
- Two way radio communication
- Fully EN54 compliant and CPR certified

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Technical specifications

Physical

Physical dimensions	240 x 120 x 50 mm (W x H x D)
Net weight	600 g
Colour	Cool grey
Material	Moulded ABS
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Weight	600g
Material	Moulded ABS
Colour	Cool grey

Environmental

Operating temperature	0 to +35°C
Storage temperature	-10 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP65
Storage temperature	-10°C to +70°C
Operating temperature	0 to +35°C
Relative humidity range (noncondensing)	10% to 95%
IP Rating	IP65

Standards & regulation

Certification	EN54-18, EN54-25

Compatibility

	All ZP conventional panels and conventional interfaces

Application

Installation	Indoor (Type A)
Mounting	Surface

Monitoring

	Continuously self-checking

Indications

	6 LEDs Illuminated by push switch operation

Power supply

	6 x Duracell AA MN1500 LR6 alkaline batteries

Outputs

Hardwired	Volt free contacts, 2A@24VDC
Wireless transmitter power	Variable 0-14 dBm

Approval

	CPD certified to EN54:18, and EN54:25 ENTSI 300-220 approved