UTC Fire & Security
A United Technologies Company

Product Data Sheet

ZR485-3
Wireless Manual Call Point

General

The ZR485-3 is a wireless, indoor, manual call point operating on 868 MHz.

Wireless systems

The ZR485-3 provides a manual means of initiating a fire alarm in areas where the installation of hard wiring is not an option. The unit is controlled from the main fire alarm panel via a loop wired radio interface module. This arrangement allows both wireless and hardwired devices to be seamlessly located on the same loop wiring.

The ZR485-3 forms part of an extensive range of wireless fire alarm devices that includes both smoke/heat detection as well as notification devices, sounder/beacons and IO units.

Suitable for use on installations specifying the recommendations of BS 5839 Part 1, the callpoint fully meets the requirements of European Standard EN54 Part 11 and is CPD certified.

System operation

The ZR485-3 is operated either by pressing a resettable element (optional) or by breaking a frangible glass with finger pressure. The glass element has a clear vinyl coating on the front surface to prevent operator injury and to inhibit the release of loose fragments as the glass is broken. Both operating elements are easily interchangeable.

Every wireless device controlled through the RLM interface is assigned its own IDENT address with which the main control panel communicates with it. This provides the same system functionality to wireless as well as traditionally hard-wired devices.

Standard Features

- Fully addressable
- Full wireless device status monitoring
- 2-way radio communication
- 5 year battery life at normal conditions
- Dual battery supply
- Range in excess of 150 metres
- No external aerials
- System test facility via test key
- CPD certified

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Specifications

Model No	ZR485-3
Description	Wireless manual callpoint
Approval	EN54:11/25, ENTSI 300:220
Operating frequency	868 MHz
Output transmitter power	0-14dBm (Variable)
Compatibility	All ZP addressable systems via RLM
Mounting	Surface mount (indoor)
Monitoring	Continuously self-checking
Indication	Alarm LED (red)
Operating voltage	3.2 V
Power supply	6 x AA cell Duracell alkaline batteries
IP rating	IP24
Operating temperature	-10°C to +70°C
Humidity range (noncondensing)	10% to 95% RH (non condensing)
Material	Moulded ABS
Dimensions (h x w x d)	87 mm x 87 mm x 61.5 mm
Colour	Red
Weight	276g
Publication No	

Ordering Information

Part No.	Description
ZR485-3	Wireless Manual Call Point
DMN782	Hinged transparent MCP protection cover
DMN798	Breakable Seal for Manual Call Points
DMN800	Resettable Element for Manual Call Point

System testing

The ZR485-3 is designed for surface mounting and is supplied complete with matching back box. System testing is carried out by using a special key supplied with the call point. When inserted into a slot in the base of the call point moulding, the device is trigged to operate automatically.

Rated at IP42 the ZR485-3 is constructed of ABS plastic and is intended for indoor applications. A red LED indicator, prominently positioned on the call point front plate, flashes when the unit is operated.

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