



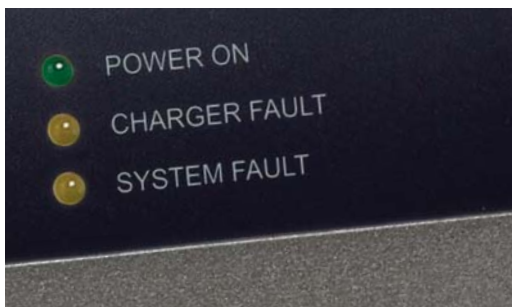
The Radio+ system offers fast and simple installation with reduced disruption, saving on traditional costs like fire resistant cable, whilst cutting down on labour. Flexible configuration makes it an ideal choice for temporary structures, whilst the speed of installation is ideal for time limited situations such as schools and hospitals. Radio+ minimises disruption to decor reducing disturbance to heritage projects and areas with difficult cable routes or limited access.

Over 3 years battery life

While wireless control panels and boosters operate from a battery backed mains supply (which is designed to comply with the latest EN54 Part 4) the true economy and reliability of the wireless fire system is highly dependant on the cost and availability of the batteries used in the various field devices.

The Radio+ system incorporates a number of innovative design features that enables battery life in excess of 3 years, from readily available, across the counter, standard AA cells. Battery monitoring functions ensure that early warning of any low battery conditions is signalled and can therefore be co-ordinated with normal maintenance procedures.

Battery replacement is economic and simple.



status LED's



Radio+ booster panel

Overview

The Radio+ wireless booster panel allows devices outside the range of the Radio+ wireless control panel to be addressed, monitored and controlled by the panel.

Each wireless booster operates its own dedicated wireless loop on a different system ID and frequency from the main control panel.

The wireless loop of the booster, with up to 28 intelligent addressable wireless devices, is operated in synchronisation with the Radio+ wireless loop to provide a transparent link between the wireless control panel and the intelligent addressable devices.

The intelligent addressable devices commissioned to the Radio+ Booster are controlled and monitored from the main control panel.

Up to 8 boosters can be commissioned onto the main panel wireless loop.

Features

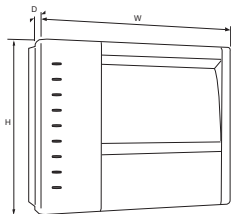
- Fully addressable
- Range > 1km in free air
- Duplex technology (2 way communication)
- Mains powered and battery backed
- Up to 8 boosters on the wireless Loop
- Up to 28 wireless devices per booster
- Power supply designed to comply with EN54 Pt4

Benefits

- Eliminates cabling difficulties
- Minimises disruption
- Preserves aesthetics
- Extends range
- Seamless extension to Radio+ system
- Easy to install and commission
- Saves time and cost

Wireless Booster Panel

Dimensions



H (mm)	W (mm)	D (mm)
331	270	90

Technical Specification

Code	Radio+
Description	Wireless booster panel
Standards	EN54-25
Power	
Operating Voltage	230Vac (nom)
Current Consumption	50mA
Input Fuse Protection	1.6A Fast-blow fuse (F1)
Monitored Supply	Yes
Batteries	
Number	1
Battery Type	12V 3.2Ah
Standby Current	35mA
Fuse Protection	3A Polyswitch (PTC2)
Monitored	Yes
Radio	
Frequency Band	868 MHz
Wireless Devices	28 (max)
Environmental	
Operating Temperature	-10°C to +55°C
Humidity (Non Condensing)	0 to 95% RH
Physical	
Construction	PC/ABS
Colour	Graphite
Dimensions (H x W x D)	331mm x 270mm x 90mm
Weight (incl. batteries)	3.5kg
Weight (excl. batteries)	2.1kg
Cable Entry	1 for mains
Cable Entry	Dia 20mm
Compatibility	
Suitable for use with	Radio+ Intelligent addressable wireless fire systems

Installation

- The Radio+ wireless boosters should be fixed and wired first.
- The wireless ancillaries should then be positioned and fixed as per the drawings.
- The booster should be positioned clear of metal structures, cables, metal piping, and foil backed plasterboard.
- For ease of access the front panel can be removed by removing the screws underneath the flap.
- The display section can also be removed by unscrewing the screw at the top of the cover, tilting the cover forward to disconnect the large ribbon cable, and then removing the cover by pulling it out of the brackets.
- Refitting is the reverse of removal.
- The booster should be fixed using four suitable fixings through the holes provided.
- Do not drill through the box to locate the fixings as dust and debris will contaminate the electronics.

Product Codes

Code	Description
SPR/R+	Wireless booster panel