radio⁺

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.

Radio**⁺** wireless control panel

simple touch screen interface

Overview

The new Radio⁺ wireless protocol provides a fire detection system using secure wireless connections between the field devices and control panels.

Based on well proven sensors, sounders, beacons and callpoints, Radio**⁺** is a highly reliable foundation into which the wireless technology has been integrated, Radio**⁺** is a fully featured analogue addressable fire detection and alarm system.

The development of Radio**⁺** has tracked the progress of the European standard EN54-25 "Fire detection and fire alarm systems. Components using radio links", and has therefore been designed to conform fully with all aspects of this document.
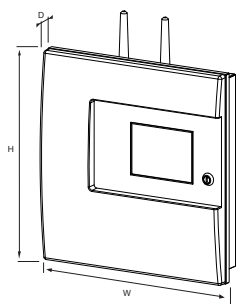
Features

- Address capacity 250 devices
- Range > 1km in free air
- Low profile aesthetics
- Touch screen technology
- Soft addressing
- Meets the requirements of EN54-25

Benefits

- Eliminates cabling difficulties
- Minimises disruption
- Preserves aesthetics
- Simple user interface (touch screen technology
- Multi language capability
- Monitors battery status under all conditions

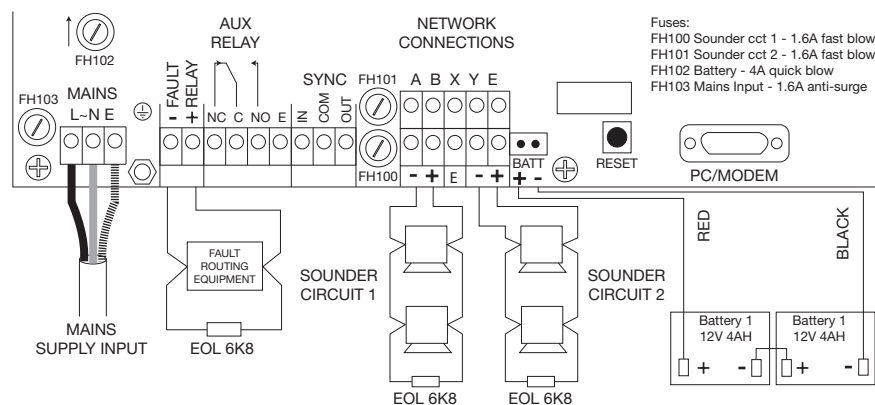## Fulleon

Wireless Control Panel

Dimensions

H (mm)	W (mm)	D (mm)
376	356	94

Technical Specification

Description	Wireless fire alarm control panel
Standards	EN54-25
Power	
Operating Voltage	230V ac (nom)
Current Consumption	75mA (nom)
Mains Fuse	1.6A Slow blow
Batteries	
Number	2
Manufacturer	Yuasa, YSP12-4
Capacity	4Ah
Battery Fuse (F4)	4A Quick blow
Battery Current	3.5A (max)
Standby Current	100mA (1 loop)
Wireless Radio	
Address Capacity	250 Devices (max)
Frequency Band	868 MHz
Wireless Outputs	60 Sounders + 20 3 Channel I/Os
Conventional Sounder Circuits	
Number	2
Total Load	1.5A
Fuses (F1, F2)	1.6A Quick blow
End of Line Resistor	6K8
Auxiliary Relay (not monitored)	
Load	24V dc, 1 A (max)
Fuse (PTC4)	1.35A Polyswitch
Environmental	
Operating Temperature	-10°C to +55°C
Humidity (Non Condensing)	0 to 95% RH
Physical	
Construction	Backbox - mild steel (powder coated)
	Fascia - PC/ABS
Colour	Graphite
Dimensions (H x W x D)	376mm x 356mm x 94mm
Weight (incl. batteries)	9kg
Weight (excl. batteries)	4kg
Cable Knockouts	11mm x 20mm
Flammability Rating	UL 94 V0
Compatibility	
Suitable for use with	Intelligent addressable wireless fire devices

Standard Connection

Product Codes

Code	Description
CP/16Z/R+	Wireless control panel

Fulleon