



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.



Input/output unit

Overview

The Radio+ wireless input/output unit has been developed specifically to operate with the Radio+ wireless fire system.

This 3 channel wireless input/output module provides the facility to monitor 3 independent inputs for fault and fire as well as providing the facility to operate 3 volt free contacts for operating devices such as magnetic door holders, in areas where the installation of system wiring is not an option.

This wireless module is assigned one address and this address is recognised by the Radio+ wireless control panel.

The unit is fully monitored and controlled by the Radio+ wireless control panel. It is fully programmable using the sophisticated and powerful Radio+ "cause and effect" programming.

Both input and outputs are available from the same unit.

Features

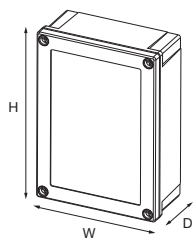
- 3 x Standard AA batteries
- Long battery life
- Fully addressable
- Concealed antennas
- Long range up to 1km in free space
- Duplex technology (2 way communication)
- 3 Volt free outputs
- 3 monitored hard wired inputs

Benefits

- Eliminates cabling difficulties
- Minimises disruption
- Preserves aesthetics
- Speedy Installation



Dimensions

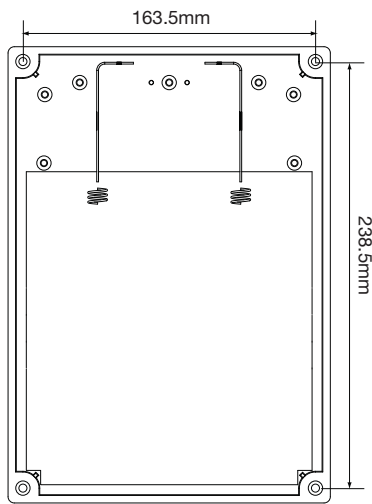


H (mm)	W (mm)	D (mm)
225	180	63

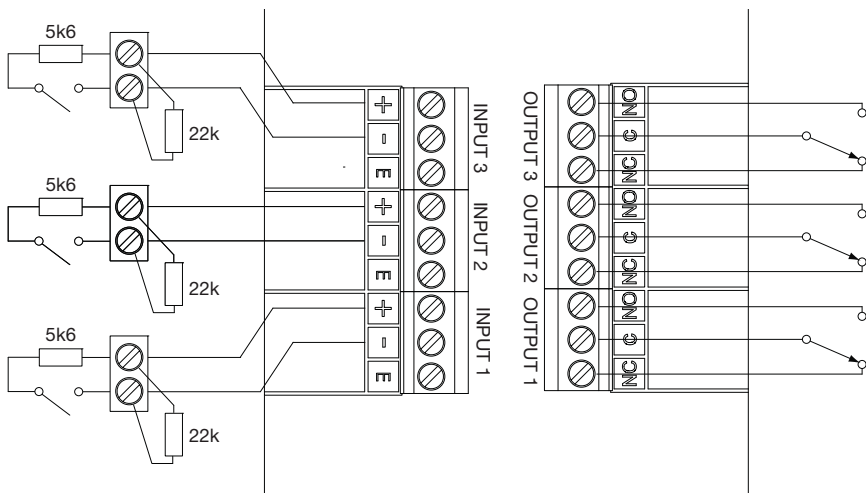
Technical Specification

Description	Wireless input/output unit
Standards	EN54-25 components using wireless links EN54-18 & 25
Description	
Batteries	3 x AA Lithium (4.5 V) 3000 mAh (min)
Frequency Band	868 MHz
Number of Units per Panel	20 (max)
Wireless Range	> 1km in free space
Frequency Agile	Yes
Inputs	
End of Line Resistor	22 K
Alarm	5K6
Outputs	
Switching Voltage	30 V dc
Contact Rating	1A
Switching Power	30 W
Environmental	
Operating Temperature	-10°C to +55°C
Humidity (Non Condensing)	95% RH
Physical	
Construction	PC
Dimensions (H x W x D)	225mm x 180mm x 63mm
Weight	0.9kg
Ingress Protection	IP21
Compatibility	
Suitable for use with	Radio+ Intelligent addressable wireless fire systems

Fixing Centres



Standard Connection



Product Codes

Code	Description
M/10/R+	Wireless input/output unit