



## **Wire-Free Combined Sounder Sensor**

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- ▶ Analogue/Addressable
- ▶ Proprietary sensor
- ▶ Unique first stage audible alert feature, designed for hotels etc
- ▶ 2-Way radio communication
- ▶ 5 Year battery life
- ▶ Selectable tone patterns for: fire, fire evacuation, bomb alert and class change
- ▶ Device removal detection
- ▶ Range in excess of 250 metres



### **Overview**

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Designed and manufactured using the latest techniques including surface mount technology, the combined detector/sounder offers easy and quick installation, with the added benefit of a lower quantity of physical devices required for a system.

The sounder part of the unit consists of its own integral five year energy source and is remotely activated and monitored by the system controller. Each unit has a unique address configured during manufacture and is individually addressable by the system controller.

The address module base is compatible with the range of system heads; these include optical, heat and combined sensor heads.

The sounder element is designed as omni-directional with an Output of 90 dBA at 1 metre, making it ideal for hotels, boarding schools and nursing homes, where a detector and sounder would be required in each room.

The internal polling of the sensor is every five seconds, which accelerates to every two seconds when traces of smoke are detected. The alarm is then verified twice to ensure freedom from false alarms.

## Specification

### PHYSICAL:

DIMENSIONS: 145 x 90mm  
WEIGHT: 119g  
COLOUR: WHITE

### ENVIRONMENTAL:

TEMPERATURE: -10 TO + 85 Degrees C  
HUMIDITY: 20 TO 95% RH

### OPERATION:

Sensitive thermistor measuring actual temperature and rate of rise change optical (light scattering)

### SUPPLY:

5 year integral energy source

### OPERATING VOLTAGE:

TRANSMITTER: 5.5 VOLTS  
PROCESSOR: 3 VOLTS

### OPERATING FREQUENCY:

173.245Mhz  
459.275 Mhz

### CHANNEL SPACING:

25Khz

### OUTPUT POWER:

1 mW ERP

### OUTPUTS:

Detector alarm  
Detector fault  
Detector pre-alarm  
Detector tamper  
Battery condition  
Call in signal

### STANDARDS:

Designed to comply with BS5839 Part 5 and EN54 Part 5

**Order details:**  
**01-R-001**

*For the full range of products and part numbers please contact us*

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