

FIREwave®

Wireless Smoke Sensor

ROD-E



Features

- ▶ Patented smoke chamber design
- ▶ Bi-directional wireless communication
- ▶ Adaptive signal processing helps with the elimination of false alarms
- ▶ Automatic wireless channel hopping
- ▶ Fully intelligent with high reliability and sensitivity
- ▶ Flexible on site device adjustment
- ▶ Makes additions to existing wired systems easy and cost effective
- ▶ Compliant with current EN54 European standards

Description

The ROD-E is an intelligent wireless photoelectric smoke sensor which is compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP).

The sensor parameters are programmed via the Translator Module via a PC link. The Translator Module then automatically manages detector radiated power depending on the device communication quality. Each sensor can automatically adjust its frequency and radiated power output in accordance with the signal quality received from the Translator Module.

The patented smoke chamber of the ROD-E ensures optimal smoke sensitivity from all directions, whilst the double dust trap provides the chamber with increased protection from airborne contamination and background illumination. Each sensor is fitted with a reed switch facility allowing testing using a magnet.

Ordering Code	ROD-E	
Communication range with Translator Module	150 m (open space)	
Operating frequency	868 - 870 MHz	
Modulation type	Frequency Shift Keying	
Number of operating channels	7	
Time period between wireless signal transmissions	From 12 seconds to 2 minutes	
Power supply (dual 3V lithium batteries)	1 x Primary Cell (CR123A)	1 x Secondary Cell (CR2032A)
Capacity	1.2 Ahr	0.24 Ahr
Estimated battery life*	5 years	2 months
Operating temperature range	-30 °C to +50 °C	
Radiated power	0.01 - 3 mW	
Current consumption	15 mA	
Operating voltage	10 - 27 V dc	
IP Rating	IP21	
Dimensions (mm)	H65 x W110 (diameter)	

*dependant on time period between wireless signal transmissions

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