d a t a s h e e t

AMALGAMATED ltd., SYSTEMS HOUSE, Dawson St., Swinton, Manchester M27 4FJ

2234 COMBINED PHOTOELECTRIC SMOKE & HEAT SENSOR

APPLICATIONS

The 2234 is a Multi-Sensor which incorporates a thermal element and a High Performance photoelectric smoke chamber. The 2234 is used on addressable fire alarm systems. It has three modes that are controlled from the Control Panel, allowing either the optical element or thermal element or both elements to be active in making the fire decision.

FEATURES

- User selectable modes
- Incorporates Optical and Heat elements
- Removable, High Performance Chamber
- Twin fire LEDs allow 360^{o} viewing
- Pulsing/ non-pulsing controlled from panel
- Variable sensitivity
- Electronically Addressed
- Approved to LPCB and VdS

OPERATION

The 2234 Combined Photoelectric Smoke and Heat Sensor is becoming increasingly popular with customers and specifiers particularly for systems where a change of detection method and/ or sensitivity is required at different times of the day.

Multi sensors are particularly valuable in situations where one detection method alone is not suitable for the environment. The 2234 is fully compatible with Analogue Addressable Protocol, and incorporates a thermal element and High Performance photoelectric smoke chamber. It has three modes, which are controlled from the Control Panel, allowing either the optical element or thermal or both elements to be active in making the fire decision. The sensor polling LEDs can be controlled via the Control Panel (pulsing / non-pulsing).

The smoke chamber can easily be removed for cleaning or replacement.

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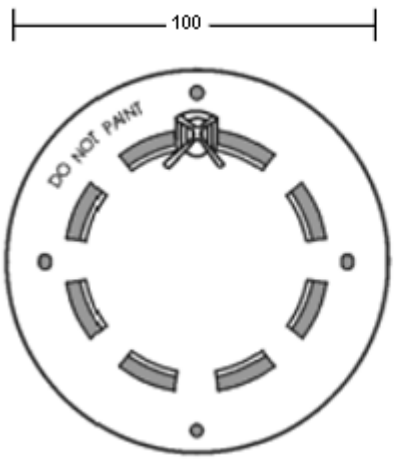
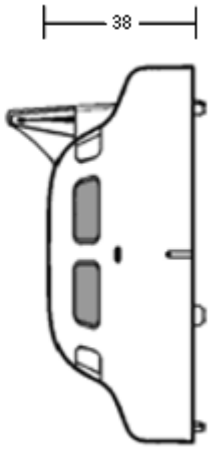
APPROVALS : Tested and approved to EN54 Part 5 & 7 by the Loss Prevention Council





SPECIFICATION	
Order Code	2234
Operating Voltage	17 – 41Vd.c.
Low Power Mode (typ)	120uA
Quiescent Current (typ)	450uA
Alarm Current (controlled by CIE)	19mA
Transmission Method	Digital Communications Using ESP
Operating Temperature Range	-10^{o}C to +50^{o}C
Storage Temperature Range	-30^{o}C to +60^{o}C
Material	ABS
Colour	Ivory White
Weight	100g
Dimensions	100 Diameter x 38 Depth (46 Depth with base)
Maximum Humidity	95% RH – Non Condensing (at 40^{o}C)

All Dimensions in mm

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