

RATE OF RISE HEAT DETECTOR

08 871

FEATURES

- White Thermoplastic Construction
- Automatic Reset as Temperature Increase subsides. Unlimited Usage of Heat Sensing Diaphragm, unaffected by Temperature
- Calibrated Equalising Vent allows Compensation for Normal Temperature Fluctuations
- Micro-holes vent Non-Fire Heat to avoid false alarm
- Low Profile Design and Low Power Consumption
- Easy Installation
- CE approved



Description

The Progard Rate of Rise Heat Detector is a non-addressable detector that will provide reliable fire detection. The heat detector responds to a rapid rise in temperature (by expansion of air) within the sealed chamber in the detector, faster than it can escape through a calibrated vent. This sudden increase in pressure depresses the sensing diaphragm, causing the electrical contact to close the circuit and sends an alarm to the control panel, and activates a sounder (and/or optional auxiliary relays). The detector can be tested by any quick-heating applicator (for example, a portable hair dryer). Caution: Do not apply heat that exceeds the temperature rating of the detector.

Rate of Rise Heat Detectors are suitable for use in areas where the environmental conditions including dust, vapours, insects, etc., would cause ionization or photoelectric type detectors to initiate a false alarm.

The detector includes a standard 4" mounting base. Attach the detector to the mounting plate with a push and twist motion (no tools are required). A 1/4" space between detector and mounting surface allows for the necessary wire connections. All mounting screws are concealed.

Technical Specifications

Type	2-wire	4-wire
Alarm Contact	Not Applicable	0.8A @ 30 vdc, 0.4A @ 125 vac
Alarm Temperature	Complies to EN54, CNS	
Voltage Current	12 - 30 vdc	
Alarm Current	25 mA	
Ambient Temperature	0° C to +/- 55°C	
Materials of Construction	Fire-proof plastic	
Dimensions	102mm (diameter) x 45mm (height)	
Weight	approximately 130 grams	
Colour	White	

Effective Alert Area

Building Height	Under 4 metres	4 to 8 metres
Fire-proof Buildings	90 m2	45 m2
Ordinary Buildings	50 m2	30 m2