

SensoMAG R20

Rate-of-rise Temperature Fire Alarm Detector

EN54-5

Description

SensoMAG R20 is a rate-of-rise temperature detector with digital processing algorithm. The detector is designed to detect temperatures above 58°C (class A1R, according EN54-5).

SensoMAG R20 is suitable for installing in any conventional fire alarm system designed with fire alarm panel with fire alarm threshold between 10mA and 15mA.



Technical and Environmental Specifications

Operating Voltage Range 9 - 30 V DC (Nom. 12/24VDC)

Average current consumption in quiescent state . . < 50µA

Alarm state current:

- with base type B24 and B24D 20 mA / 12 30V

- with base type B24RD 33 mA / 12V; 49mA/24V; 57mA/30V

- with base type B12 18 mA / 9V; 29mA/12V; 32mA/15V

Class (in accordance with EN54-5) A1R

Protected area (in accordance with EN54-5) up 35m²

Installation height (in accordance with EN54-5) . . . up 3,5m

Output in alarm state at terminal RI 20mA (max)/ -3.3V

(Towards terminals +IN /+OUT)

Degree of protection IP30

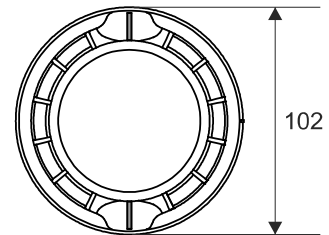
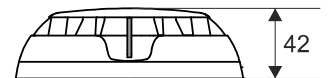
Wire Gauge for terminals 0.4mm² 2.0mm²

Operational temperature range -10°C +60°C

Relative humidity resistance (93 ± 3)% @ 40°C

Dimensions (incl. base) ø102mm, h 42mm

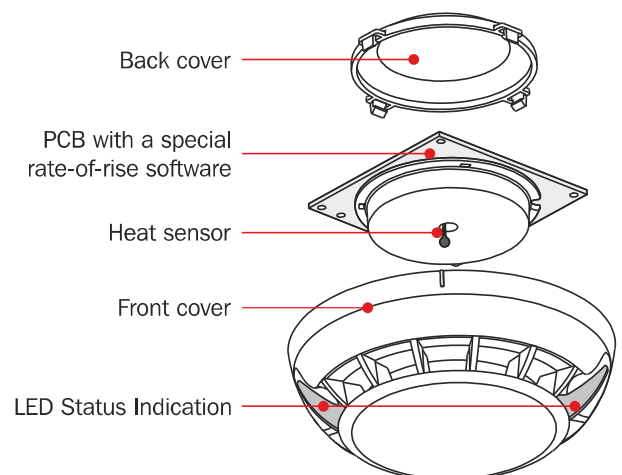
Weight (incl. base) 160g



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Application

SensoMAG R20 is suitable for applications for locations in which different ambient temperatures occur (e.g. mechanical workshops, tool rooms, etc.). The innovative design makes it particularly suitable anywhere where dust, dirt (e.g. sawmills) or high humidity (e.g. wet cells) could affect the operation of traditional detectors.



Contact Information: