

SensoFOT R20

Rate-of-rise Temperature Fire Alarm Detector

EN54-5

Description

SensoFOT 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).

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



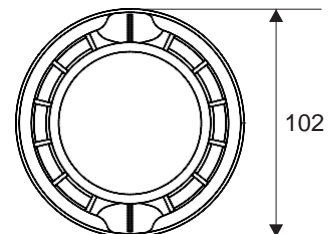
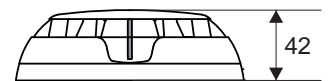
Technical and Environmental Specifications

- 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 B12L/U 18 mA / 9V; 29mA/12V; 32mA/15V
- Class (in accordance with EN54-5) A1R
- 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



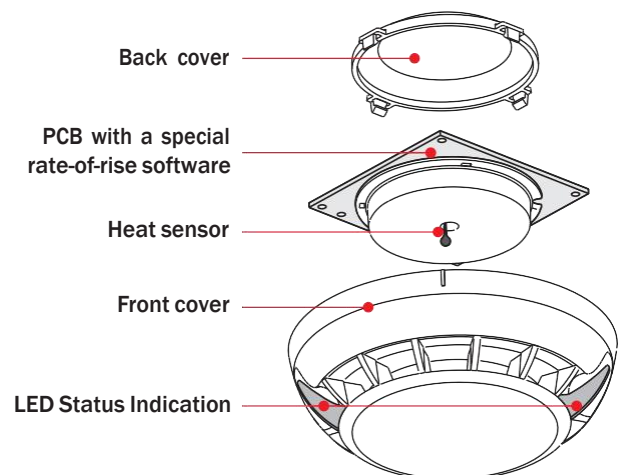
DoP No: 051

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Application

SensoFOT 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.



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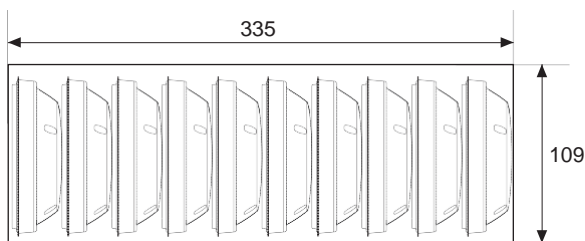
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Packing Information

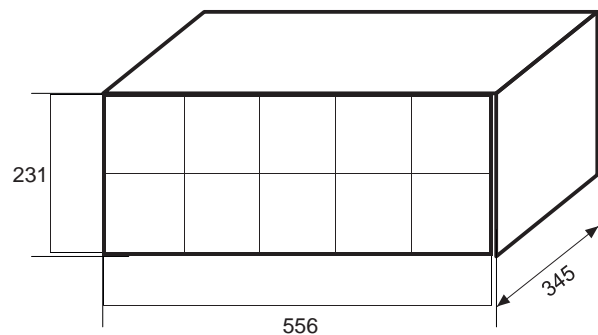
• **Master box** - 10 units SensoFOT R20, no bases include; dimensions 335 x 109 x 109 mm.

All detectors are protected with a plastic cap.



• **Carton box** - 100 units SensoFOT R20 (10 master boxes), no bases included, dimensions 556 x 345 x 231 mm.

All detectors are protected with a plastic cap.



Compatible Product Range

- FOT2, FOT2P - Conventional Fire Alarm Panel, 2 fixed zones
- FOT4, FOT4P - Conventional Fire Alarm Panel, 4 fixed zones
- FOT8 - Conventional Fire Alarm Panel, 8 fixed zones
- FOT8plus - Conventional Fire Alarm Panel, 8 fixed zones, expandable to 16
- FRL-1 - Remote Fire Indicator
- SensoFOT B24 - Standard Base
- SensoFOT B24D - Standard Base with Schottky diode
- SensoFOT B24RD - Standard Base with Schottky diode and increased alarm state current
- SensoFOT B12L/U - Base with relay output, 12V
- Deep Base - Accessory for mounting on rough surfaces, outdoor pipelines, etc.