



601H-R

601H-F

Heat detector

General Description

The 601H-R / 601H-F detector forms part of the series 600 range of plug in detectors for ceiling mounting.

The detector plugs into the MUB universal Base and is intended for two-wire operation with the majority of control conventional equipment available.

601H-R (rate of rise) and 601H-F (fixed temperature) detectors detect abnormally high rates of rise of temperature and abnormally high (static) temperatures respectively.

For general use and particularly where the ambient temperature may be low, a rate of rise heat detector 601H-R is to be preferred.

A fixed temperature limit is also incorporated in these detectors.

In many environments, e.g. kitchens, canteens and boiler room, sudden, large changes in temperature are considered normal therefore rate of rise detectors are generally not suitable in these cases and a slower response fixed temperature detector 601H-F should be used.

Characteristics

- EN54 Approved by LPCB
- Low operational voltage : 10.5V to 33V
- Aesthetically discreet
- Superior performance and reliability
- Designed for rapid installation
- Integrated alarm Led
- Remote Led connection
- Wiring polarity independent
- Compatible with 5B and MUB universal base

Installation

The detector is composed of two parts: base and unit detector (figure 1)

Fit the detector unit onto the MUB base then twist clockwise.

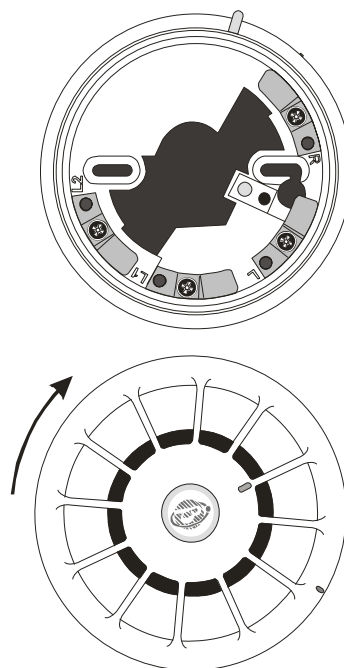


figure 1: 1) MBU Universal base; 2) Detector 601H-R/F



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SECURITY

Heat Detector 601H-R/F

Connections

The detector circuits requires a positive and negative supply and these are wired to terminals L1 and L on the base (Polarity insensitive).

Base terminal L2 is connected to base terminal L1 when the detector is fitted to provide continuity monitoring through the detector.

Base terminals L2 and L provide outputs to the next detector or EOL device.

In case of alarm the detector communicate the state to control device by sinking from the supply leads an extra current.

For restoring from an alarm condition the power has to be removed for 2-5 seconds.

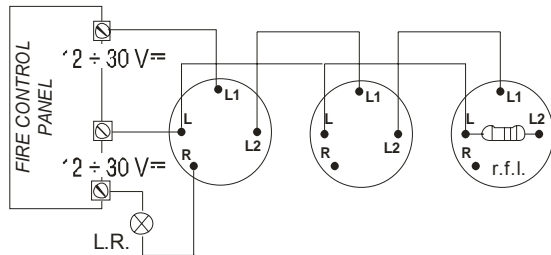


figure 2: Connection diagram

Specifications

| | |
|--|--|
| Supply voltage | 10,5 Vdc ÷ 33 Vdc |
| Average quiescent current | 82 µA (max) |
| Alarm current | 15 ÷ 75 mA (depend from power supply) |
| Holding voltage | 5 V (max) |
| Holding current | 3 mA (max) |
| Reset time | 2 sec. |
| Stabilization time | 2 sec. |
| Operating Temperature | -20 ÷ + 70 °C (no condensation or icing) |
| Operating temperat. Short-Term <3 min. | -40 ÷ + 120 °C |
| Temperature rase of rise response threshold (601H-R) | According to EN54-5 Standards (A1R) |
| Fixed operation temperature (601H-F) | 65 °C (max) According to EN54-5 (A1S) |
| Remote led drive | 1 KΩ |
| Wiring connections | 2 x 1,5 mm ² (max) |
| Environmental humidity | 95% without condensing |
| Dimension (L*H) | 43 * 109 mm |
| Weight | 93 g |
| Material | FR110 "Bayblend" (fire resistant) |
| Conforms with | EN 54-5:2000 + A1:2002 EN 54-7:2000 + A1:2002 |

Commercial code

- 601H-R Heat rate of fise detector
- 601H-F Heat Fixed temperature detector

Distributor:



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