

BSR-6060/A ADDRESSABLE RATE OF RISE HEAT DETECTOR



TECHNICAL CHARACTERISTICS

OPERATION VOLTAGE	18-30V DC
IDLE STATE POWER CONSUMPTION	1mA
ALARM POWER CONSUMPTION	1.5 mA (with indication LED activated)
SENSITIVITY	5 °C / min
INDICATORS	Alarm LED
CLASS	A2R
DEGREES OF COVER PROTECTION	IP 20
PRODUCED IN ACCORDANCE WITH	EN 54-5
OPERATION TEMPERATURE RANGE	-10 to 60 °C
RELATIVE HUMIDITY	Up to 95%
EXTERNAL DIMENSIONS	103 (diam.) x 48 (height) mm
TYPICAL WEIGHT	145gr.
GUARANTEE	2 years

Thank you for purchasing this product of Olympia Electronics. A European manufacturer.

GENERAL

Before installing the detector, the user must read these instructions carefully and store this manual for future reference. BSR-6060/A is a thermal and rate of rise detector simultaneously. It co-operates with BSR-1116 and BSR-2100 panels.

The device transmits an analogue value to the panel which depends of the area's temperature and the rate of temperature rise. The analogue value is 100 (temperature 56°C) and increases one unit per degree of the temperature increase. If the temperature rises rapidly (over 5°C per minute) then the analogue value that sends the detector to the panel is 128. The factory setting of the panel is to issue an alarm when the analogue value is greater than 104. The panel issues an alarm if the temperature rises rapidly or if the temperature exceeds the 60°C. The user can change this analogue value from 100(56°C) up to 120(76°C).

The detector have two parts, one plastic base which is installed on the ceiling and the main unit of the detector which is fastened to the base by a simple turning to the right.

The detectors have an indication led which lights continuously in case of fire detection until there is a reset signal from the panel. When we silence the sirens the LED remains lit to show us the detector that issued the

alarm. The LED goes off when we RESET the panel. The indication led also flashes every 8 sec to indicate good operation.

ADDRESS SETTING

To set each detector's address you have to use the device BSR-2143 photo. 1. (refer to it's instruction manual). After the address setting mark this number to the sticker on the detector's base (ADR:XXX). Each detector must have an

address with which it is recognized from the panel.

It's forbidden for two devices with same addresses to be connect to the same loop.

OPERATION CHECK

It is advised to conduct a good operation test every 6 months and every time the detector position is changed.

It is essential to have good air circulation inside the detector. Therefore care must be taken so that the vents of the detector are not covered.

NOTE

The detectors must be placed in the ceiling on visible areas with no side obstacles and away from sides with no air circulation or strong air currents and vapors. Each detector covers almost 50 m² and the distance between two detectors must not exceed 15m.

The cables cross section must be from 0.5 to 1.5mm².

ATTENTION!!

After the device is installed, care must be taken, so that the detector vents are not blocked by anything (i.e. dust, paint). Failing to do so will prevent the smoke particles to enter the detection chamber.

After the installation, it is the sole responsibility of the user to maintain the detector for good operation.

Installation procedure

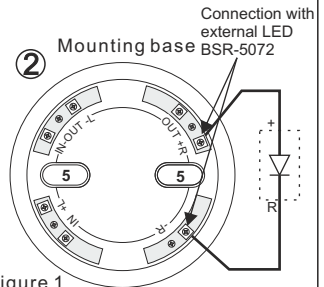
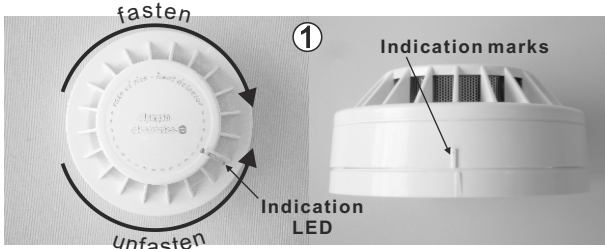


Figure 1.

1. Detach the detector from it's base by turning it anticlockwise until the side marks are aligned.
2. Install the base with the included mounting parts (point 5).
3. Connect the power cables (respect to polarity) according to the installation requirements (figure 1,2).
4. Place carefully the detector, so as to align the side marks and turn it clockwise all the way. Power the device and after 3-5 seconds will be ready to operate.

CONNECTION

1. **IN-OUT-L**: It is connected to the loop's (-L).
2. **IN+L**: It is connected to the loop's (+L).
3. **OUT+R and -R**: It is connected with BSR-5072.

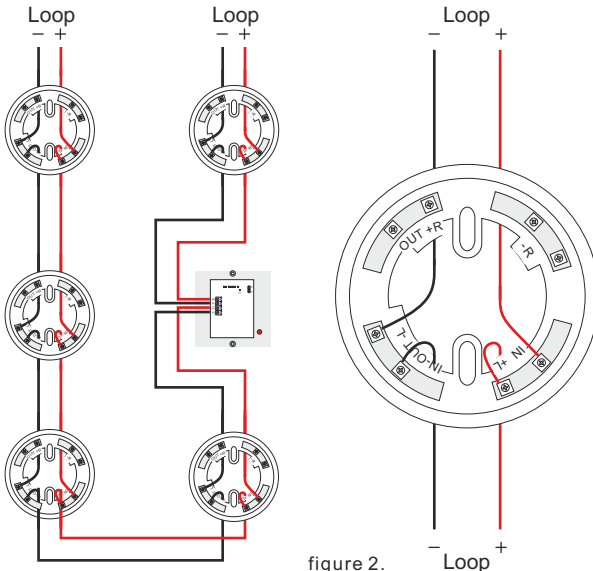


figure 2.

photo. 1.

**Address setting
with BSR-2143**
(refer to it's
instuction manual)

