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SAFETY & SECURITY SYSTEMS
for a safer world!

BS-661 — Waterproof rate of rise heat detector

CE

TECHNICAL CHARACTERISTICS	
OPERATION VOLTAGE	8-32V DC
STANDBY POWER CONSUMPTION (max.)	<55µA
ALARM POWER CONSUMPTION (max.)	18mA with no external LED, 28mA with external LED
STATIC THERMAL LIMIT	65 °C ± 3 °C
INDICATORS	Internal red activation LED
DEGREES OF COVER PROTECTION	IP 65
PRODUCED IN ACCORDANCE WITH	EN 54-5, class A2R
OPERATION TEMPERATURE RANGE	-10 to 70 °C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIALS	ABS/PC
EXTERNAL DIMENSIONS	175 x 79 x 46 mm
TYPICAL WEIGHT	160gr.
GUARANTEE	2 years

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Olympia Electronics - European manufacturer

GENERAL

The detector BS-661 was created to offer quick detection in case of fire. It detects the speed that the temperature of the room is increasing and when this speed exceeds a limit in a certain time period, it is triggered by giving an alarm signal to the fire detection panel or an other similar device.

It can be installed outdoors in places with possible encasement of fire, with no obstacles on the sides. Each detector covers 50 m^2 approximately and the distance between two devices must not be more than 15m.

The detectors have an indication led which lights continuously in case of fire detection until there is a reset signal from the panel. One external indication LED (BS-572 figure 1) can be connected operating in parallel with the device's indication LED.

It is suggested that a good operation test must be conducted every 6 months or after any position change.

These detectors can cooperate with conventional fire alarm panels like BS-632, BS-634 and BS-636.

NOTE

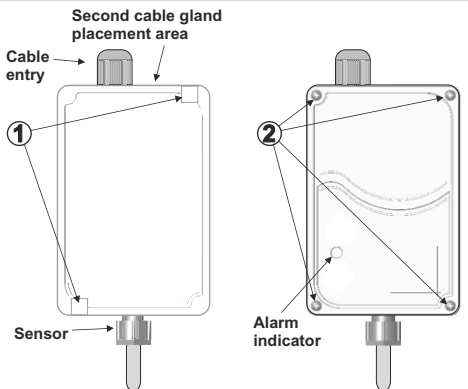The detectors should be tested with a hot air blower.

The cable's cross section must be from 0.5 to 1.5mm^2.

INSTALATION INSTRUCTIONS

1. Remove the front plastic cover .
2. Mark the mounting spots in the installation area and after drilling the appropriate holes, place the mounting plugs. Place the device and mount it with the included mounting screws ①.
3. Unfasten the cable gland and pass the cable thru (to maintain the water isolation use round cable with a diameter of 6-8mm). Figure 1 shows a typical connection with two detectors in a fire detection zone.
If needed, install the included cable gland near the pre-installed cable gland to pass thru a second cable.
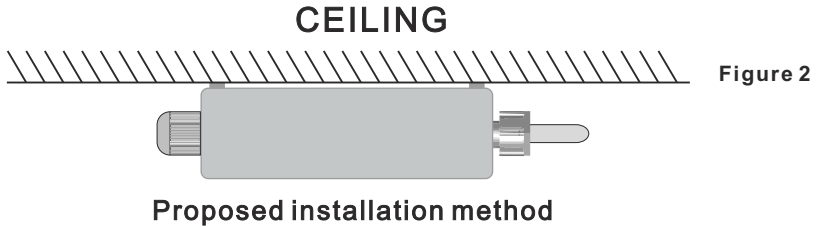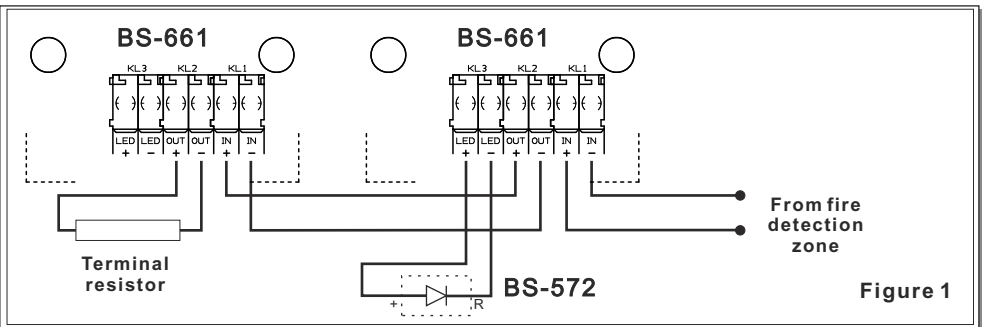4. Refit the front plastic cover and fasten the 4 included screws ②.

Second cable gland placement area
Cable entry
Sensor
Alarm indicator

LED INDICATIONS

Normal operation: 1 blink every 6 sec.
Activation: light continuously.
Fault: does not light.

BS-661   BS-661

KL3 KL2 KL1   KL3 KL2 KL1

LED LED OUT OUT IN IN   LED LED OUT OUT IN IN

From fire detection zone

Terminal resistor

BS-572

Figure 1

CEILING

Figure 2

Proposed installation method

Certification
The Waterproof rate of rise heat detector BS-661 is certified from H.E.E.Q.A.C. Also H.E.E.Q.A.C. controls the production under CPR number:

BSR-6060/A WATERPROOF RATE OF RISE HEAT DETECTOR	CE 0848
0848-CPR-010 EN-54-5: 2001 + A1: 2002	15
EGINIO PIERIAS 60300 GREECE	olympia electronics SAFETY & SECURITY SYSTEMS

WARRANTY
Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.
Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.
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