

CONVENTIONAL FIRE DETECTION DEVICES



TECHNICAL CHARACTERISTICS	BS-655/12 optical smoke detector	BS-660/12 Rate of rise heat detector	BS-668/12 Fixed heat detector 60 °C
OPERATION VOLTAGE	11-13V DC		
START UP POWER CONSUMPTION	150µA for 50 sec	—	
STAND BY POWER CONSUMPTION	50µA		
ALARM POWER CONSUMPTION	20-30mA		
SENSITIVITY	3% obscurity per meter	5 °C / min	58-62 °C
INDICATORS	Alarm memory LED		
OUTPUT	External LED driver (BS-572)		
DEGREES OF COVER PROTECTION	IP 20		
PRODUCED IN ACCORDANCE WITH	EN 54, EN 61000-6-1, EN 61000-3-2, EN 61000-3-3		
OPERATION TEMPERATURE RANGE	-10 to 60 °C		
RELATIVE HUMIDITY	Up to 95%		
CONSTRUCTION MATERIALS	Bayblend FR3010		
EXTERNAL DIMENSIONS	102 (diam.) x 40 (height) mm		
TYPICAL WEIGHT	140gr.	110gr.	
GUARANTEE	2 years		

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

GENERAL

The detectors (BS-655/12 photoelectric smoke detector, BS-660/12 rate of rise heat detector and BS-668/12 fixed temperature heat detector) were created to offer quick detection in case of fire. They 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. The indication led also flashes every 4 sec to indicate good operation.

The detectors must be installed on the ceiling in a clear and visible area. They cover 50 m² and the distance between two devices must not be more than 15m.

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-636.

NOTE

The photo electric smoke Alarm detectors BS-655/12 should be installed away from fluorescent tubes.

The detectors BS-660/12, BS-668/12 should be tested with a hot air blower.

The cable's cross section must be from 0.5 to 1.5mm².

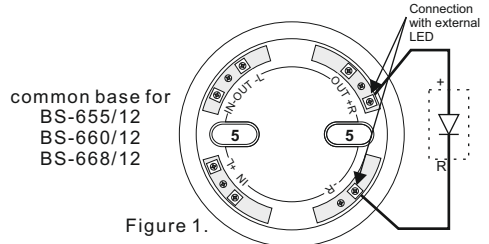


Figure 1.

1. **IN-OUT -L** : It is connected to the zone of the panel or to the (IN-OUT -L) contact of the previous detector.

2. **OUT +R** : It is connected to the next detector (IN +L) or if it is the last one to the terminal resistor.

3. **OUT +R and -R** : It is connected with BS-572.

4. **IN +L** : It is connected to the zone of the panel or to the (OUT +R) contact of the previous detector.

5. **Supporting points.**

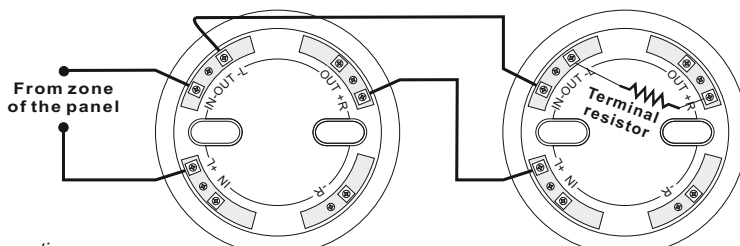


Figure 2

Connection

You can connect up to 30 detectors BS-655/12 or 15 BS-660/12 or 15 BS-668/12 on each zone. If the power of the detectors is turned off, wait for 3-5min before you turn the power on again.