

AUTROFLAME IR-FLAME DETECTOR BG-21

Interactive fire detector systems
Mounting instructions

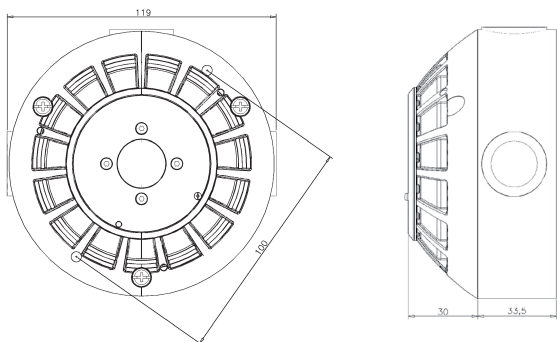


Avoid static discharges when mounting the detector

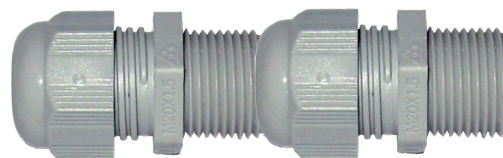
Dimensions

119 x 63.5 mm

Distance between fixing holes: 100 mm



Glands suitable for cable size 6 – 12 mm. These must be used in order to maintain the degree of protection.



Connection

Wire: Max. 2.5 mm² /14 AWG

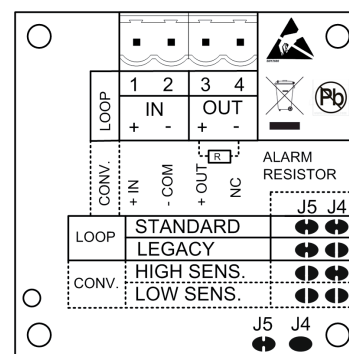
Connection to the first detector in the loop and between detectors in the loop:

Terminal	Connection
1	+ in
2	-in/out
3	+ out/alarm resistor
4	alarm resistor

Connection to the final detector in the loop or a single detector:

Terminal	Connection
1	+ in
2	-in / EOL
3	alarm resistor / EOL
4	alarm resistor

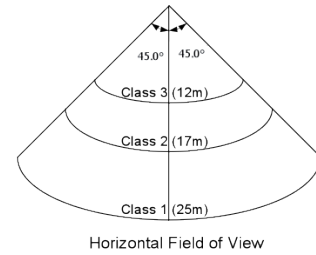
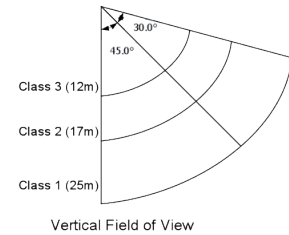
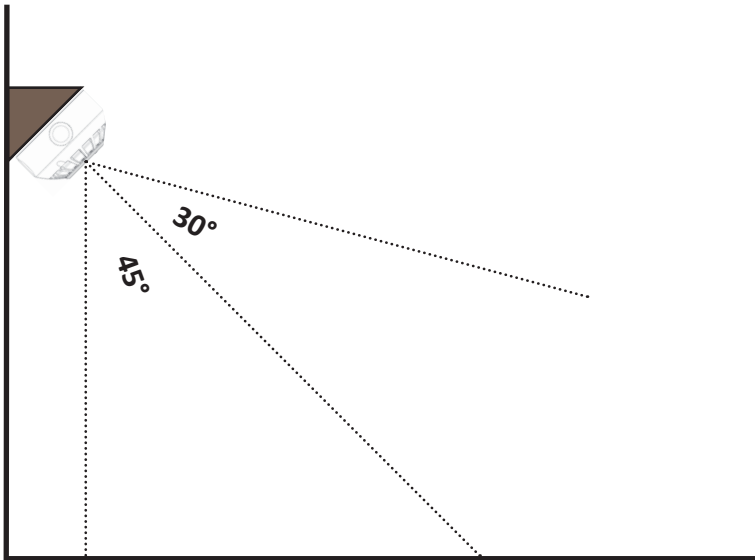
Terminals
1 2 3 4



Where a screened loop cable is required, use Thorix to connect the screen in/out of the detector. The screen should only be connected to the earth at one end (on the panel).

Typical installation

Use a stable bracket. The detector should be mounted on a level surface to prevent the enclosure from deforming. Pointing the detector down 45° from the horizontal line, will result in the illustrated coverage and with 45° horizontal coverage to each side of the centre line.



To comply with the directional dependence set out in EN 54-10:2002, an angle of +30° from 0° (0° = orientation of the detector on the same axes as the flare source) should not be exceeded, based on lab tests with a distance of approximately 1.5 m (5.0 ft).

Orientation of the base in a typical installation to place the 30° sector as shown in the figure on the right:

NOTE! The ONLY correct way to fit the detector head to the base is to pair the widest notch on the head with this peg on the base.

