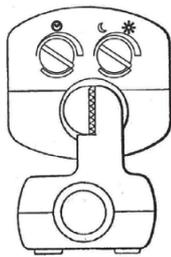


SENSOR 150°

Specifications:

1. Power: 220-240V / 50Hz
2. Lighting load: Max. 1000W incandescent/200W fluorescent/100W low energy bulb
3. Range of detection: Adjustable 4m to each side and 12m forward
4. Angle of detection: 150° elliptical
5. Shut-off time: Adjustable from approx. 3 seconds to approx. 10 minutes.
6. Light sensitivity: Adjustable „light level“ sensing from 5 Lux to daylight (2000 Lux)
7. Protection class: IP55, double insulation
8. Own consumption: 0.5W/hour

Fig. 1



Functions

- Automatic on/off
- Permanently on

Contents of the package:

- 1 pcs. sensor unit
- 1 pcs. user guide
- 1 pcs. bag with mounting screws

Adjustments:

1. TIME: The detector has an adjustable TIME ON control from 3 seconds to 10 minutes. The timer starts to count down, when the latest movement has stopped. While there is movement from a heating source in the detection area, the lighting will remain on and the time will not count down.
2. LUX (Light sensitivity): The adjustment controls when the sensor has to start activating the light. The sensitivity can be adjusted to any level between 5 Lux and full daylight. The unit will operate, when it senses motion ambient light and the daylight is at or below the set level. (Fig. 1)
3. DISTANCE (Field of view): The sensor has a range of detection of 12m at a temperature of 20°C, adjustable up to 4m to each side and approx. 12m forward. The sensor head can be adjusted 45° upwards and downwards and 270° from side to side. The detection angle is 150° and the ideal mounting height is 2 – 3m (Fig. 7).

Connection to the power supply:

- 1) Note! This sensor must be installed according to local wiring regulations.
- 2) Ensure that the power supply is disconnected at the main circuit breaker before you start the mounting and installation work.
- 3) Study the wiring diagram before making any electrical connections (Fig. 2 & 3).
- 4) Incorrect wiring of the unit could destroy the sensor.
- 5) Connect the phase to the terminal LIVE IN (Brown).
- 6) Connect the neutral to the terminal NEUTRAL (Blue).
- 7) Connect the LIVE OUT (Red) of the sensor to the LIVE terminal of the lamp. If you want the sensor to be controlled by means of a one-pole switch, please use the following diagram.

Fig. 2

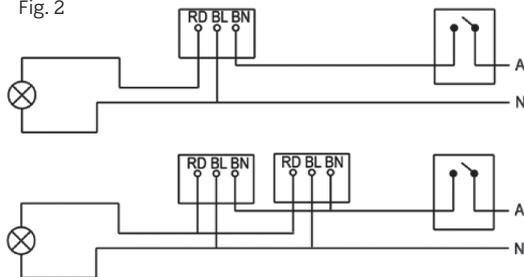
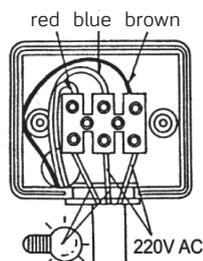


Fig. 3



Installation:

- Important: This equipment must be installed only by a qualified electrician.
1. The sensor must be placed at least 2 metres above ground level. Make sure that the sensor is firmly fixed to the wall, so that it cannot be moved (Fig. 6).
 2. Make sure that the sensor aims towards the area to be detected, but in such a way that passing is made across the detection area of the sensor (See fig. 4 & 5).

Fig. 4

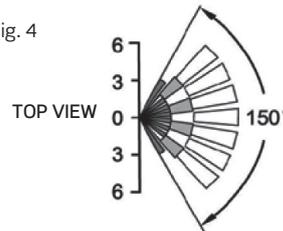


Fig. 5

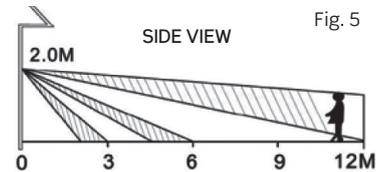


Fig. 6

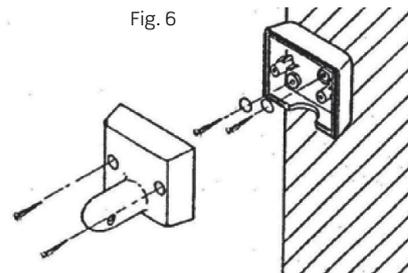
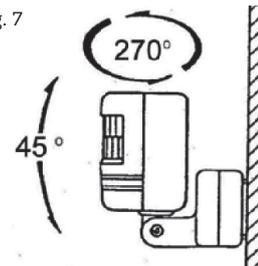
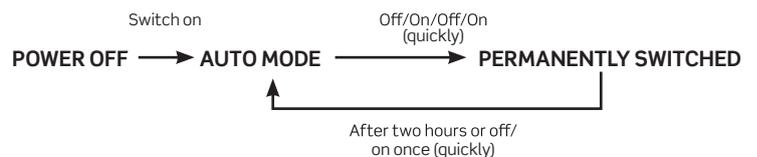


Fig. 7



Initial set up and operation:

When the power is switched on, the sensor will warm up for 30 seconds until it goes into auto mode.



SENSOR 150°

Auto mode:

- 1) Turn the time control to minimum (-) and the control of the ambient light to maximum (+).
- 2) Walk in front of the sensor until the light is switched on. This checks the operation of the sensor and the field of view. Once the light is switched on, move to a new position and stand still until the light goes out. Move again until the light is switched on.
- 3) Repeat step 2 and adjust the angle of the dome lens until the optimum field of view has been achieved.
- 4) Turn the time control and the control of the ambient light to the desired positions.
- 5) The detector is now in auto mode and will operate according to the preset time and ambient time adjustments.

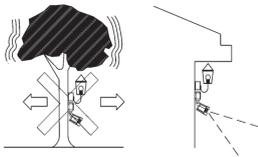
LED Indication of stand by und activated modes:

The internal LED (behind the lens) works according to the LUX adjustment. The LED begins to light and the sensor will start to react to moving objects when the ambient light level is lower than the setting of the sensor on LUX control. When the sensor has been activated, the LED lamp will remain on for as long as the setting on the TIME ON control.

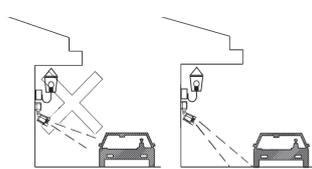
Installation hints:

To ensure the best performance from your sensor, refer to the following figures to help choose the ideal location:

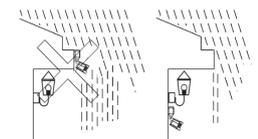
■ Mount on stable surface



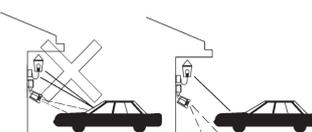
■ Aim sensor down to reduce range of detection



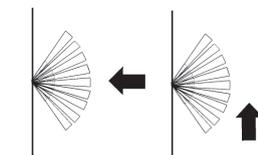
■ Do not expose to rain or dripping from the roof



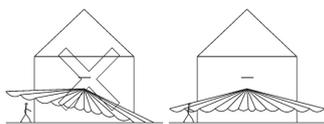
■ Avoid reflecting light from bright surfaces



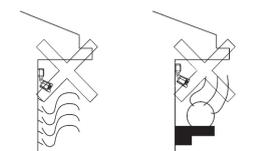
■ More sensitive to movements across the field than into the field



■ Position the sensor exactly level from side to side



■ Do not mount the sensor near vents or above lamps



■ When mounting aim sensor down toward the ground



Trouble shooting:

1. The unit will not function at all/Lights will not switch on
 - Check the wiring to the unit to make sure that you have wired the unit correctly.
 - Check if it is dark enough for the sensor to operate.
2. The sensor switches on by itself
 - Ensure that light and heat are not being reflected back on the sensor.
 - Check for white or reflective surfaces in the field of detection.
 - Note that the sensor is more sensitive in cold weather.
3. The sensor stays on
 - Check that the sensor is not in "permanently on" mode
 - Check that the lamp is not directly connected to a power source.
 - Ensure that the unit is firmly fixed to a solid object with no moving objects in the field of view.
4. The sensor switches on under windy and rainy conditions
 - Adverse weather conditions and temperature changes can result in unwanted activations of the sensor.
 - Please install the detector in a place less susceptible to temperature changes.
5. Maintenance and repair
 - Do not attempt to repair this product yourself, as this will void the warranty or result in personal injury.
 - Clean the sensor with a damp cloth.

