Manuals+

SEBSON IR_ES_G Motion Detector Instructions

Manual

Thank you for choosing a product of SEBSON. Please read the instructions carefully and keep them for looking up
before start-up this product. A long and failure-free operation can only be guaranteed if the installation and start-up is done properly. Before starting up this product, please check for external damage. In case of visible external damage we immediately dis-advise the start-up of this product! Please remove all packaging material of this product before the first start-up an and check the content for completeness!

Intended use:

This infrared motion detector detects the heat radiation of moving objects and sends this signal to a connected light,
for example, which then switches on.

Scope of delivery:

- 1 motion detector

General safety information:

Danger: The installation of this product may be done only by a qualified person according the valid regulations for electrical installation!
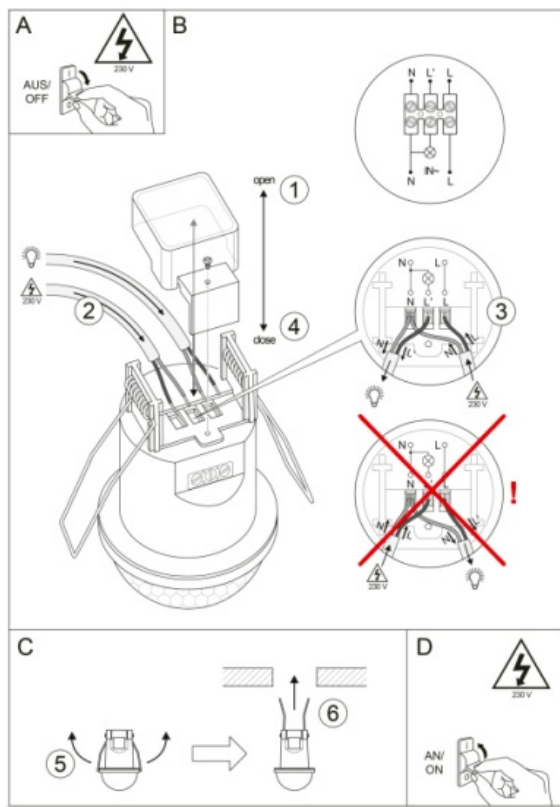
Danger: If the power cables are damaged or come into contact with wetness, immediately disconnect the product from the power supply and ensure that it cannot be switched on again!

Danger of suffocation: Please keep this product away from children and animals. The packaging contains small parts that can be swallowed!

Caution: Avoid overloading the device, an overload can damage the device or cause a short circuit! Therefore,

please note the maximum power consumption in the technical data!

- The remodeling of this product is not allowed! The proper and safe functioning of the device can no longer be guaranteed if it is modified! In addition, this will invalidate the warranty claim!
- The manufacture does not accept any responsibility for injuries or damage resulting from improper use of this product!
- Any other use than the description may result in damage to the product. So the dangers are such as electric shock, short circuit, fire etc.
- We reserve the right to make changes to the product, the packaging or the operating instructions as well as printing errors.
- This product is suited for indoor- and outdoor-use.
- Protect the product from external damage, heavy dirt, moisture and excessive heat!
- In order that the warranty claim does not expire please use only the supplied items. Repairs may only be done by an expert and only by using original spare parts!
- In commercial institutions, the accident prevention regulations of the professional trade association for electrical equipment and facilities must be adhered to.

Instruction for installation (Fig 5):

Danger: Before installing please make sure that the circuit is interrupted! For installation, the work on the mains voltage is required. Please remove the associated mains fuse or deactivate the switch fuse! Check by using a voltage tester if the line is de-energized. Make sure that the current circuit will not closed during the installation!

Danger: The installation of this product may be done only by a qualified person according the valid regulations for electrical installation!

Attention: Before drilling the mounting holes, make sure that there are no gas, electricity or water pipes at the drilling location that could be damaged by this!
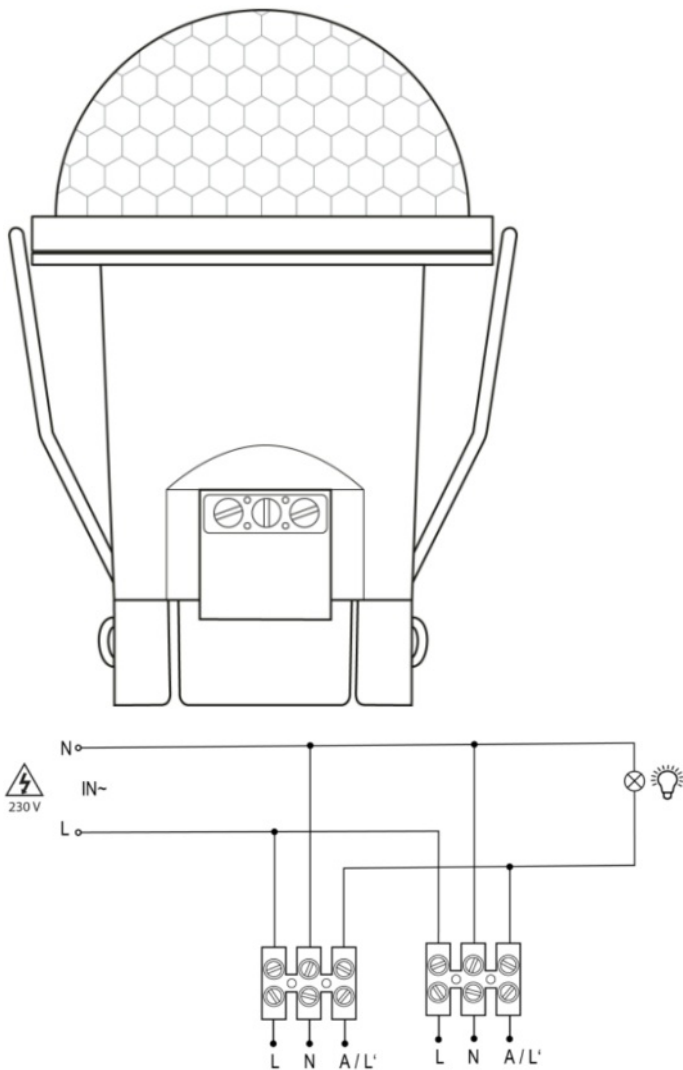
Please observe the safety instructions and technical data before installing this product!

- Note on installation:

  L: Live wire (black or brown)

  N: Neutral conductor (blue or grey)
- This device is only suitable for ceiling mounting!
- Observe a minimum distance of 2 meters when commissioning several motion detectors.
- For optimum range, select the mounting height recommended in the "Technical Data".
- 2 units in a parallel connection (see Fig.4a)

- Permanent switch-on of a connected device with an additional switch connected in parallel (see Fig.4b).

The following environments or surfaces are not suitable for mounting, as they may impair the detection of thermal radiation (see Fig. 2):

- Metal surfaces e.g. metal door frames
- In the immediate vicinity of electronic devices such as computers, monitors etc
- Heat sources e.g. radiant heaters, radiators or lamps
- In the vicinity of e.g. fume cupboards or fans
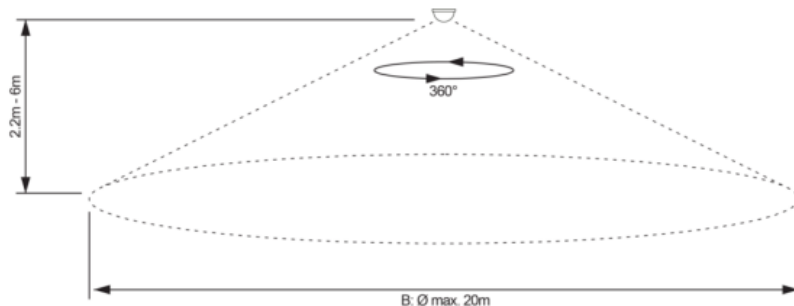- Within the radiation range of luminaires (minimum distance from luminaires >50cm)

Function of the motion sensor:

The sensor integrated in this device detects heat radiation from moving bodies, e.g.
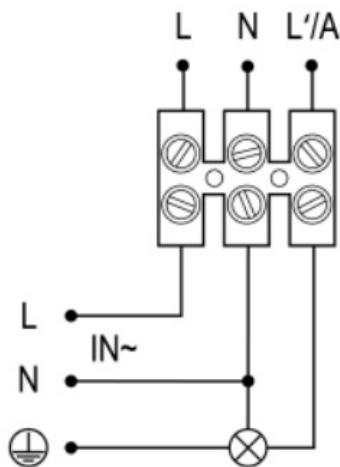
people or animals, and transmits this as an electrical impulse to a connected light, for example. This device then switches itself on. The detection of heat radiation can be limited by large furniture, glass panes or very high ambient temperatures of over 40°C, for example in summer.

Detection area (Fig 3):
The detection range of the motion detector is approx. 20m and 360° (free area) at a mounting height of 2,2-6m at the ceiling. In closed rooms the detection distance can be lower, according to room layout.

Connection of the protective conductor (PE):

When connecting a lamp with protective conductor contact, the protective conductor must be bypassed from the supply line to the lamp with the aid of an additional terminal in the in-wall socket

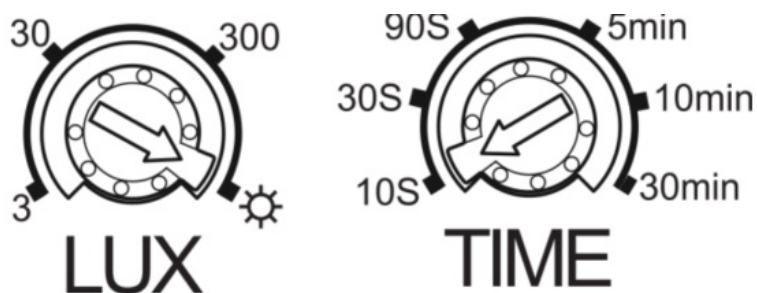**Sensitivity when switching (with regard to the ambient brightness):**

LUX

This setting control can be used to regulate the switch-on sensitivity of this unit depending on the ambient brightness (between 3 and 2.000 LUX)

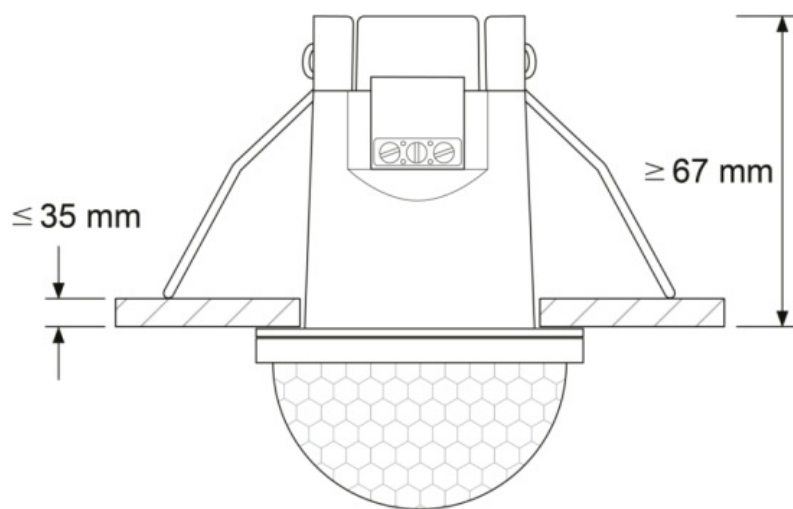**Time setting (switching off delay):**

TIME

The duration of the operating time can be set continuously from approx. 10s to 30min. The timer is restarted if a movement from the sensor is detected before the set time has elapsed.

Function test:

LUX   TIME

Ensure that the motion detector is not obscured. Ensure that the coverage area is not restricted by items such as through large furniture. To set the detection range and the daylight test, turn the knobs to the positions shown. The motion detector is activated after a warm-up phase of approx. 30s. If no further movement takes place in the sensing area of the sensor, the sensor switches off.

Installation recommendation (Fig 1b):

Mounting hole: Ø45-48mm

Maximum thickness of mounting surface: ≤35mm

Mounting depth: ≥67mm

Technical Data:

Operating voltage: 220 -240V AC 50Hz

Maximum power consumption: ☀ Max. 1.200W Max. 600W

Electrical protection: IP54

Protection class: II

Detection moving speed: 0,6-1,5m/s

Ambient temperature: -20° – +40°C

Humidity: <93%

Possibilities of adjustments:

Detection area: Max.20m (<24°C)/360°

Sensitivity when switching (with regard to the ambient brightness): <3-2.000LUX

Time setting (switching off delay): Min. 10s +/- 3s – Max. 30min +/-2min

Information for private households (WEEE):

The Electrical and Electronic Equipment Act (WEEE) contains a large number of requirements for the handling of
electrical and electronic equipment. The most important ones are summarized here.

1. **Separate collection of waste equipment**

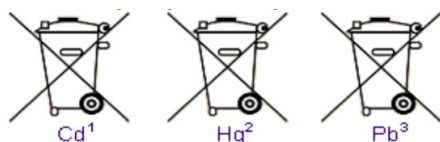   Old, worn-out or defective electrical and electronic equipment is referred to as waste

equipment. These devices must not be disposed of in the normal household waste or together with the residual waste. The devices should be transferred to special collection and return systems.

2. **Batteries and rechargeable batteries as well as illuminants**

   As a rule, owners of WEEE shall separate spent batteries and accumulators that are not enclosed in the WEEE, as well as light sources that can be removed from the WEEE without causing damage, from the WEEE before handing it over to a collection point. This does not apply if WEEE is prepared for reuse with the participation of a public waste management authority.

   Batteries or rechargeable batteries that contain harmful substances are marked with the symbol of a crossed out dustbin and must not be disposed of in household waste. Below the dustbin symbol is the chemical name of the pollutant – in the example below "Cd" for cadmium. "Pb" stands for lead, "Hg" for mercury: If disposed of improperly, the substances contained in the batteries may cause hazards to health and the environment.

   The hazards are averted by the separate collection and proper disposal of used batteries.

   Cd[1]   Hg[2]   Pb[3]

3. **Options for returning old appliances**

   Owners of WEEE from private households can hand it in free of charge at the collection points of the public waste management authorities or at the take-back points set up by manufacturers or distributors.

4. **Data privacy notice**

   Old devices often contain sensitive personal data. This applies in particular to information and telecommunications technology devices such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the end-of-life devices to be disposed of.

5. **Meaning of the "crossed-out dustbin" symbol**

   The symbol of a crossed-out dustbin regularly displayed on electrical and electronic equipment indicates that the respective device must be collected separately from unsorted municipal waste at the end of its service life.

Cleaning:

Danger: Before start cleaning the product interrupt the current circuit by switching off the circuit breaker or unscrew the fuse! Use a slightly moistened cloth for cleaning. In order not to damage the product, it is essential to avoid water penetrating into the housing! Never clean the device under running water! Do not use solvent containing cleaner for cleaning.

Address:

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References

- User Manual

🏷 Detector, IR_ES_G, IR_ES_G Motion Detector, IR_ES_GA, Motion Detector,

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