

Congratulations on your purchase of this high-quality ESYLUX product. To ensure proper operation, please read these user instructions carefully and keep them for future reference.

1 • SAFETY INSTRUCTIONS

CAUTION: Work on the 230 V power system must be carried out by authorised personnel only with due regard to the applicable installation regulations. Switch off the power supply before installing the system.

Use this product only as intended (as described in the user instructions). Changes or modifications to the product or painting it will result in loss of warranty. You should check the device for damage immediately after unpacking it. If there is any damage, you should not install the device under any circumstances.

If you suspect that safe operation of the device cannot be guaranteed, you should turn the device off immediately and make sure that it cannot be operated unintentionally.

2 • DESCRIPTION

ESYLUX motion detectors are passive infrared detectors that react to moving heat sources (people, vehicles) (fig. 1 (1) Facing detector (2) Diagonal to detector). If the motion detector registers changes in the heat emissions within its field of detection, depending on the set Lux level, it switches on the connected load (e.g. lighting) for an adjustable length of time.

3 • INSTALLATION / ASSEMBLY / CONNECTION

Before installing the device:

- Switch off the power supply.
- Information concerning the motion detector's range is based on an installation height of 2.50 m. (the field of detection will vary according to this height).
- For optimum performance (i.e. maximum range), position the device so that people/vehicles are moving parallel to (and not towards) the detector (fig. 1).
- Make sure that the detector has a clear line of sight, as infrared beams cannot penetrate solid objects.
- To avoid influencing the light sensor, maintain a minimum distance of 1 m in relation to the connected lighting and do not point light sources directly at the detector.
- When installing the device, bear in mind the surrounding area and especially consider the distance between the detector and neighbouring properties or the road, for example.
- The motion detector should only be installed on a stable, flat surface (wall).

The wall base unit and sensor are connected. For installation purposes, separate the two parts. Fit the screwdriver into the side opening, lever in the direction of the sensor and pull the detector apart (fig. 2).

Feed the cable into the detector and mount the wall base unit in the required position (fig. 3).

Connect the motion detector according to the circuit diagram (fig. 4).

4.1 With switching of inductors (e.g. relays, contactors, ballasts) the use of a filter may be necessary

4.2 Parallel connection of max. 8 devices

4.3 Standard operation with the additional possibility of switching on by hand

4.4 Standard operation with additional permanent lighting function through external switch

4.5 Parallel operation with an automatic stairwell light system. Lights can be controlled by the automatic system or by the motion detector.

Press the sensor into the wall base until it clicks into place (fig. 2).

NOTE: The motion detector's setting elements must be facing downwards.

FIG. 1

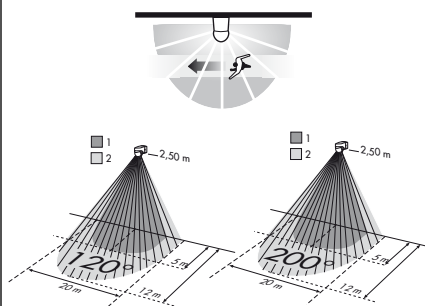


FIG. 2

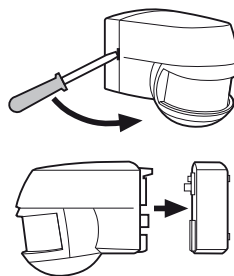


FIG. 3

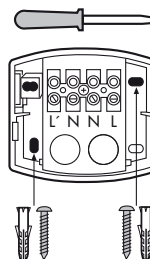


FIG. 5

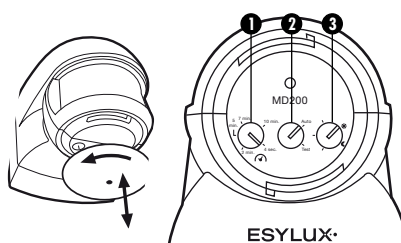


FIG. 6

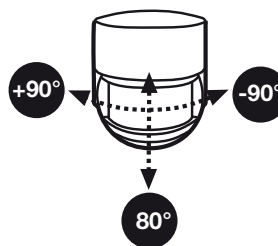
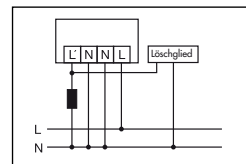
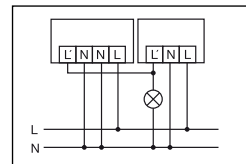


FIG. 4

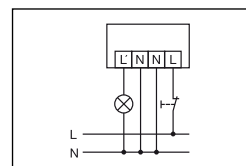
4.1



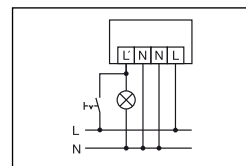
4.2



4.3



4.4



4.5

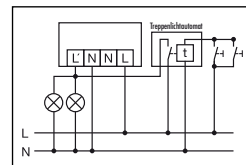
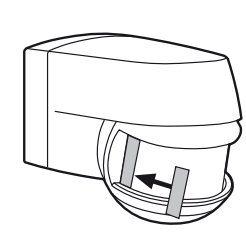


FIG. 7



4 • START-UP AND SETTINGS

After the device has been successfully installed and the power supply switched on, the device will automatically perform a test (lasting approx. 30 seconds). The connected system will switch on to indicate this. After the automatic test has been performed, the device will be operational.

The time, light intensity values and operating mode settings can be found under the removable cover (fig. 5).

1. Turn the operating mode switch (fig. 5.2) to Test.

During the test mode, the focus LED remains permanently on. Regardless of the ambient brightness, if motion is detected, the detector will switch the system ON for one second and OFF for 2 seconds. Adjust the motion detector to the surrounding area by moving the sensor horizontally or vertically (fig. 6) or by using the enclosed cover clips (fig. 7).

2. Once you have established the field of detection, turn the operating mode switch to Auto and set the ON period (fig. 5.1) (4 seconds - 10 minutes) and light intensity value (fig. 5.3) (2 - 1000 Lux) according to your requirements.

3. Replace the setting element cover (fig. 5).

5 • PRACTICAL INFORMATION

- Small animals or nearby trees or bushes moving in the wind may cause the motion detector to switch on.
- The detector's range can be dramatically reduced by objects moving towards it, rather than parallel to it.

• TECHNICAL DATA

Mains voltage	230 V ~ 50 - Hz
Field of detection	120° or 200°, horizontally adjustable +/-90°
Range	approx. 12 m at an installation height of 2.50 m
Range adjustment	mechanically by tilting the sensor, max 80°
Switching capacity	230 V ~ 50 - Hz / 230 V AC 50 - Hz, 1000 W/4,5 A (cos φ = 1), 500 VA/2,25 A (cos φ = 0,5)
Time setting	approx. 4 sec. - 10 min.
Approx. light value	2 - 1000 lux
Protection type, Protection class	IP 44, II
Test symbol	TÜV/SÜD
Operating temperature range	-25 °C ... +55 °C
Housing	UV stabilised polycarbonate
Colours	white, black, brown
Measurements	width: 74 mm, height: 80,5 mm, depth: 101,5 mm

Technical and design features may be subject to change.

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ESYLUX•

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