

ZF-L300/500S(0202)(300/500W 220-240V~)
**HALOGEN FLOODLIGHT
 WITH MOTION DETECTOR**
INSTRUCTION

READ THE INSTRUCTION BEFORE INSTALLATION

Description of the operation

The floodlight (purchased by you) is provided with an infrared detector. The lamp switches on when the detector senses "warmth movement" in the surrounding area and it is dark enough.
 The minimal distance between the lamp and the lighted object is 1 meter.
 The lamp cannot be used with cracked protective shield. Replace any cracked protective shield before reuse. Do not touch the lamp tube with bare hands.

Installation

- * **Caution:** This lamp must be installed by a qualified electrician. Switch off power before installation to prevent electric shock.
- * Lamp tube fitting (see fig. 1)

Unscrew the bolt and open the glass holder. Fit the tube into the tube socket.
 Then keep the waterproof rubber pad in original position and close the glass holder with the bolt.

- * **Electric wiring (see fig. 1 and 2)**
(BROWN=LIVE BLUE=NEUTRAL GREEN=YELLOW=EARTH RED=SWITCH)

Open the terminal box cover and remove the cable reliever. Unscrew the inlet screw and remove sealing ring. Thread the power cable through the inlet screw and the sealing ring. Insert the wire ends into the terminal block and then tighten them (pay attention to the earthing marking on the terminal box). Reset the cable reliever and the box cover. screw in the inlet screw together with the sealing ring.

- * Lamp installation (see fig. 1)

The lamp can be fixed on the buildings or other places by the three holes on the supporter.

The supporter can be horizontally fixed. By loosening the supporter bolts you can adjust the installation angle of the lamp in accordance with the lighting direction needed.

- * The lighting direction can not be adjusted to downward.

Operation

- * The infrared detector is equipped with three adjusting knobs (see fig. 3)

Time adjustment:

With this knob the lighting period of the lamp can be adjusted after detection of the movement perceived. This period is adjustable from 5 sec to 10 min. Turn this knob clockwise to increase the lighting period, and vice versa.

Daylight adjustment:

With this knob the lighting value, with which the infrared detector becomes activated so that it can detect, can be adjusted. The value is adjustable to 30 lux. Turn this knob clockwise to decrease the lighting value, and vice versa.

Sensitivity adjustment:

With this knob the sensitivity of detector can be adjusted. Turn this knob clockwise to increase the sensitivity, and vice versa.

The field of detection

* The field of detection of the infrared lamp can be adjusted 30° in horizontal direction and 30° in vertical direction. By means of horizontal adjustment, the permanent 120° field of detection can range can be reduced or expanded (see fig. 4). By means of vertical adjustment the detection range can be reduced or expanded (see fig. 5). This way, any false detection caused by movements from neighbouring grounds and from the street are excluded.

* The best detection is obtained by approaching the field of detection perpendicular to its axis (see fig. 6).

* If the field of detection is approached in the direction of its axis, the infrared detector will, in some cases, respond later (see fig. 7).

Possible problems

- * Ventilators, such as the discharge from a vapour cap or dryer (hot air movement) can cause the lamp to switch on when it is not required to do so.

* Passing cars (warm engines) can also cause your lamp to switch on.

* Nearby trees and bushes, sudden changes in temperature and gusts of wind can also cause the lamp to switch on.

* If the lamp has been placed under a roof or under trees, then the lamp can also turn during daylight hours.

* If your lamp does not work then the bulb or fuse could be defective or there may have been a failure in the electrical circuit.

* Your lamp will not work satisfactorily if it is placed in such a way that the field of detection is not walked through.

* If the temperature difference between the object to be detected and surrounding area is too small (in the summer for example), then your lamp will react later. The range of detection is then 10 meters instead of 12 meters for example.

* If the electromagnetic interferences are strong enough 4K V electrostatic discharge, 3V/m electromagnetic HF-field and 1 K V electrical fast transient burst, then the lamp may turn on unintentionally.

Specifications

Power source: 220-240V~, 50Hz

Max. lighting load: 500W Halogen tube

Detection angle: 120° (fan shape)

Detection range: 12m (adjustable)

Time delay: 5 sec to 10 min (adjustable)

Light sensitivity: 30lux (adjustable)

Power cord: H05RN-F 3G 1.5mm²

Glass: 177x140x5mm

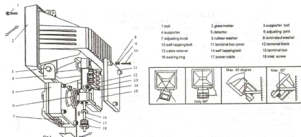


Fig. 1

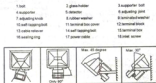


Fig. 2



Fig. 3



Fig. 4



Fig. 6



Fig. 5



Fig. 7