

MOTION SENSOR IR  
DETECTION ANGLE 360°

INTRODUCTION

The motion sensor for recess mounting in a false ceiling is a completely automatic indoor lighting control device capable of controlling up to 2000W incandescent and up to 1000VA fluorescent of lighting. At night, the built-in passive infrared motion sensor turns on the connected lighting system when it detects motion in its coverage area. During the day, the built-in photocell saves electricity by deactivating the lights.  
An adjustable timer (**TIME**) lets you select how long the light stays on after activation.  
The **LUX** adjustment determines at what light level the light will start operating.

TECHNICAL DATA

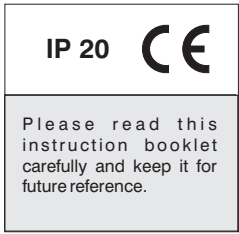
Power Requirement:  
Power Cord Requirement:  
Lighting Load Max:

Protection Degree:  
Protection Class:  
Detection Angle:  
False Ceiling Recess Mounting Height:  
Detection range:

Time Adjustment:

Lux Adjustment:  
Warm Up Time:  
Wall Switch Control:  
CE marking reference standard:

220 ÷ 240 V~ 50 Hz  
H05RN-F - 1 mm<sup>2</sup>  
Max 2000W Incandescent  
Max 1000VA Fluorescent  
IP 20  
Class II  
Up to 360° at 25 °C  
Recommended 2,2 ÷ 5 m  
Up to 5 m radius at 25 °C at 2.2 m height  
Up to 7 m radius at 25 °C at 5 m height  
N° 10 adjustable settings:  
3, 10, 20, 40, 80, 160 seconds  
5, 10, 20, 40 minutes  
Approx. 5 ÷ 1000 Lux  
About 1 minute  
ON/OFF  
LVD 2006/95/CE - EMC 2004/108/CE



PE - DESPPE005 12/07

1. False ceiling recess installation body
2. Electrical connection terminals
3. Controls: **TIME** and **LIGHTING (LUX)**
4. Motion sensor lens

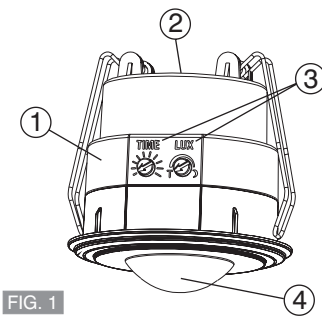


FIG. 1

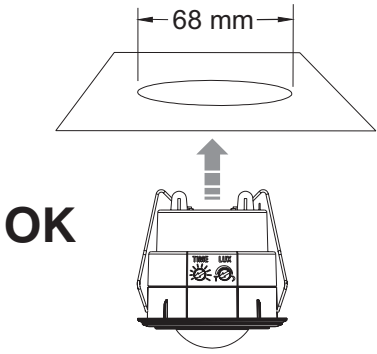


FIG. 2

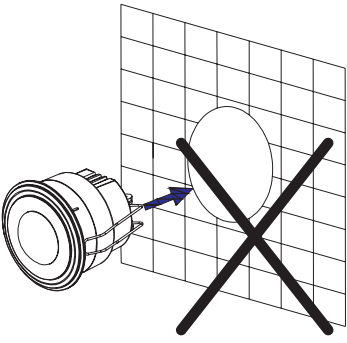


FIG. 3

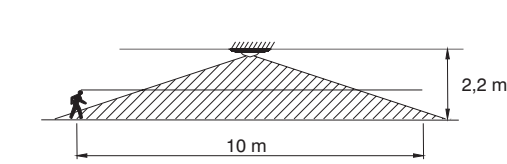
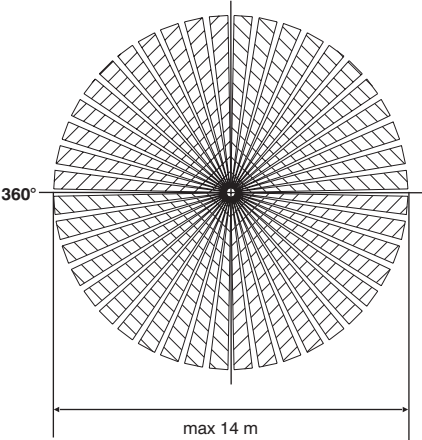
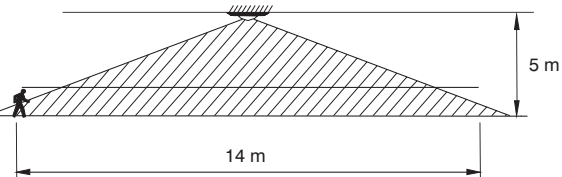


FIG. 4



INSTALLATION

- The unit has a sensing angle of 360° and can detect up to 5 meters radius at the mounting height of 2.2 meters or 7 meters radius at the mounting height of 5 meters (fig. 4).
  - Drill a diameter of 68 mm round hole on the false ceiling.
- NOTE: the false ceiling must be between 10 and 25 mm thick.  
After making the electrical connections as described in the following section, firmly insert the body of the sensor directly into the hole made in the false ceiling.

ELECTRICAL CONNECTION - switch mains supply off 230V~ 50 Hz

**NOTE: make sure that the power wiring comes from circuit with an external 16A miniature circuit breaker (FIG. 7). Install the wall switch adjacent to the power source. In this way it is easy to turn the sensor ON or OFF.**  
The power cord must meet H05RN-F - 1 mm<sup>2</sup> requirement.

Electrical connection see FIG. 7:

Terminal block **L** = connect the wire **LIVE** of power

Terminal block **LS** = connect the wire of lamp wire (Live)

Terminal block **N** = connect the wire **NEUTRAL** of power  
connect the wire of lamp wire (Neutral)

INITIAL OPERATION (TESTING AND ADJUSTMENT)

- Turn the **TIME** control and the **LUX** control counter-clockwise to the edge-the **TEST** position (FIG. 8).
- Switch on power with the wall switch.
- The attached device (example Lamp) lights up for approx. **1 minute** (Warm up) and then switches off.
- Walk through the detection area, the light turns on when you move and it switches off after a delay of approximately 3 seconds, when you stop. There should be at least 5 seconds between the test.

TIME ADJUSTMENT

- The (**TIME**) adjustment controls how long the lamp will stay on after motion has been detected. 10 different settings are possible for the time duration including the test setting (3 seconds): 10, 20, 40, 80, 160 seconds and 5, 10, 20, 40 minutes. Adjust the **TIME** control knob clockwise to increase (max. 40 minutes - fig. 10) how long the light stays on or anti-clockwise to decrease (min. 3 seconds - FIG. 9) the time delay.

LIGHTING ADJUSTMENT (Lux)

- The **Lux** adjustment determines at what light level the Light Control will start operating when you set the sensor to the AUTO MODE. Temporarily turn the **LUX** control clockwise as far as the stop corresponding to the moon symbol (dusk position) FIG. 12. In this provisional setting mode, the Motion Sensor remains inactive during daylight.  
At dusk and you find it is the LUX level you desired for operation, simply set the **LUX** control knob to the position that you tried satisfactorily.

OPERATION

Turn on the wall switch. When the sensor detects motion, the lamp connected to it lights up automatically if the ambient brightness is lower than the brightness level set with the **LUX** control knob and it stays on for the time pre-set with the **TIME** control knob.

TROUBLESHOOTING	
<b>Light does not turn on</b> <ul style="list-style-type: none"><li>•Check that the wall switch is ON, permitting 230V~ mains supply to the sensor.</li><li>•Confirm that you have made a correct "wiring connection".</li><li>•Make sure that the bulbs have not burned out.</li></ul>	<b>Light remains on</b> <ul style="list-style-type: none"><li>•Make sure the wiring connection is correct.</li><li>•Check if the (<b>TIME</b>) setting is correct.</li></ul>

DISPOSAL OF ELECTRICAL & ELECTRONIC EQUIPMENT (EU directive 2002/96/EC)

This symbol on the product or its packaging indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:

- sales points, in case you buy a new and similar product;
  - local collection points (waste collection center, local recycling center, etc...).
- By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.  
The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your house hold waste disposal service or the shop where you purchased the product.

**Attention:** in some countries of the European Union the product is not included in the field of application of the National Law that applies the European Directive 2002/96/CE, and therefore counties have no obligation to carry out a separate collection at the "end of life" of the product.



Test mode

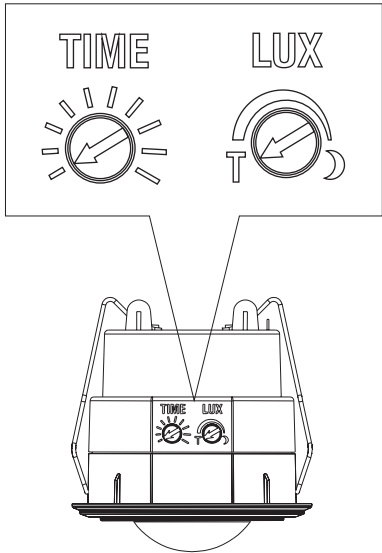


FIG. 8

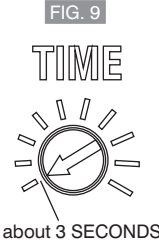


FIG. 9

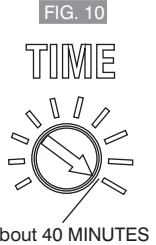


FIG. 10



FIG. 11

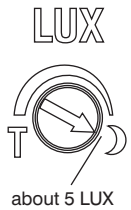


FIG. 12