



## HSODS

### BALEARIC SURFACE OCCUPANCY DETECTOR

#### MAIN FEATURES:

- No minimum load
- Surface mounted
- Adjustable Time and Lux is parallel
- Class II double insulated
- IP44 Rated
- 2 year guarantee
- Besa Box Mountable
- Wiring in parallel is preferred to allow all lights to work when one becomes faulty.

#### IMPORTANT

Installation must be carried out by a qualified electrician and in accordance with **BS7671**.

Disconnect occupancy detector when performing insulation resistance test.

Wire with cable that has a max of 1.5mm<sup>2</sup> diameter.

Replace any faulty light immediately to avoid burning out the switch gear.

**These instructions should be read carefully and retained after installation for further reference and maintenance**

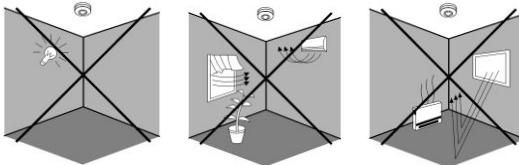
#### SPECIFICATION

Power Source:	220-240V/AC (50/60Hz)
Ambient Light:	3-2000 LUX (adjustable)
Time Delay:	Min. 10 sec±3sec Max. 15min±2min
Rated Load:	Max. 1200W fluorescent, 300W LED
Detection Range:	360°
Detection Distance:	6m max (<24°C)
Working Temperature:	-20 ~ +40°C
Working Humidity:	<93%RH
Power Consumption:	approx 0.5W
Installation Height:	2.2 - 4m
Detection Moving Speed:	0.6 - 1.5m/s
Dimensions:	90mm x 50mm

#### INSTALLATION ADVICE:

As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.



#### INSTALLATION

- Please move the upper cover with anti-clockwise as per figure 01.
- Connect the power and the load according to figure 02
- Fix the bottom on the selected position with the supplied screw
- Install the upper cover on the sensor, then switch on the power and test it.

#### TEST PROCEDURE

- Turn the TIME knob anti-clockwise on the minimum (10S). Turn the LUX knob clockwise on the maximum (sun), see figure 03.
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up (30sec), the sensor can start to work. If the sensor receives the motion signal, the lamp will turn on. When there is not another motion signal, the load will turn off within 10sec±3sec.

- Turn LUX knob anti-clockwise to the minimum (3). If the ambient light is more than 3LUX, the sensor will not work and the lamp will turn off. If the ambient light is less than 3LUX (darkness), the sensor will work. Under no motion signal, the sensor should stop working within 10sec±3sec.

**Note: when testing in daylight, please turn LUX knob to SUN position, otherwise the sensor lamp will not work!**

#### TROUBLESHOOTING:

<b>The load does not work</b>	Please check if the connection of power source and load is correct.
	Please check if the load is stable
	Please check if the settings of working light correspond to ambient light.
<b>The sensitivity is poor</b>	Please check if there is any hindrance in front of the detector affecting it to receive the signals.
	Please check if the ambient temperature is too high.
	Please check if the motion signal source is in the detection field.
	Please check if the installation height corresponds to the height required in the instruction.
	Please check if the moving orientation is correct.
<b>The sensor can not shut off the load automatically</b>	Please check if there is continuous signal in the detection field.
	Please check if the time delay is set to the maximum position.
	Please check if the power corresponds to the max load.

FIGURE 01

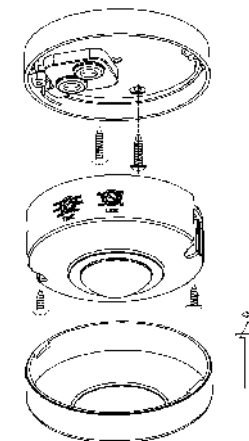
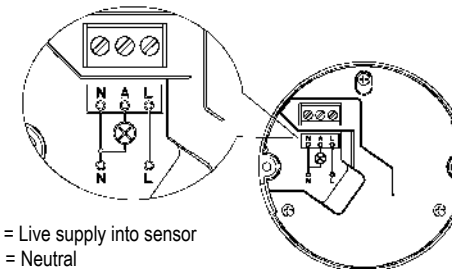
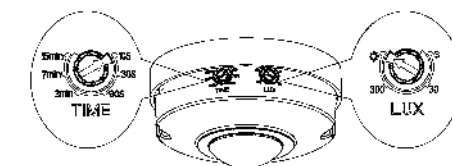


FIGURE 02



L = Live supply into sensor  
N = Neutral  
A = Switched live output (connect to light)  
⊗ = Circuit symbol for lamp (light)

FIGURE 03



#### SENSING FIELD

