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Instructions SQUARE SENSE

The Square Sense is a new product adopting the microwave sensor with high frequency electromagnetic waves (5.8Ghz), gathering automatism, convenience, safety and energy saving in a smaller size. When someone enters its detection field, it can start almost instantly and identify if its day or night. It can detect through glass and thin walls.

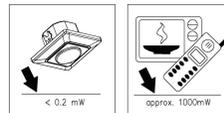
I. Specifications

Power Sourcing	220-240 V/AC
Power Frequency	50Hz
Detection Range	180°
Detection Distance	5-15m (<adj.)
Ambient light	3-2000LUX (adj.)
Time Delay	Min. 10sec. ± 3sec. Max. 12min. ± 2min.
Rated Load	Max. 1200W ⚡ 300W ⚡
Working Temperature	-20~+40
Working Humidity	<0.2mW
Power Consumption	approx.0.9W
Installation Height	1-1.8m
Detection Moving Speed	0.6-1.5m/s
HF System	5.8GHz CW radar ISM band



II. Functions

- The Square Sense can be set on two different time modes: Day and Night (explained in detail further on).
- Sensibility adjustment, the Square Sense can set its detection range, changing it as the needs arise. If low sensitivity is needed just set to 5 meters, otherwise change it to 15 meters.
- Time-Delay is added continually: When it receives the second induction signal within the time frame of the first, it will add up from the first signal.
- The time that the lamp stays on, can be set manually, being the minimum 10s and the maximum 12min.



NOTE: The installation must be done by a qualified professional, which follows this instructions rigorously. Before using, read this instructions carefully. The high-Frequency output is lower than 0.2Mw.

III. Installation

- Switch off the power.
- Open the Square Sense faceplate and adjust the time and Lux knob (figure 1).
- Loosen the screws on the connection terminal and connect the power cables as shown in the diagram (figure 4).
- The Square Sensor permits installation in circular and square holes. Round holes put it in and splay bolt on both sides for square holes, put it on the hole and fix the screws through the mounting hole (figure 3).
- Put back the faceplate, and switch on the power.

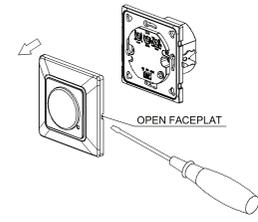


Fig 1

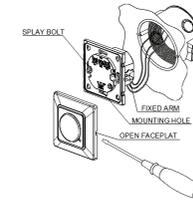


Fig 2

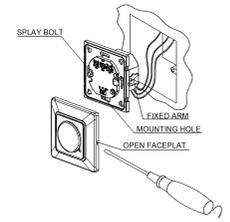


Fig 3

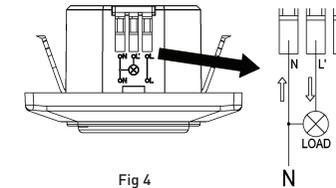


Fig 4

IV. Caution

- Do not install the Square Sense on uneven or shaky surfaces.
- Be sure there aren't any object in front of the Square Sense, so the object doesn't obstruct the sensor.
- Do not install the Square Sense near metal or glass, so it doesn't affect it.
- For your safety, please don't open the case if you're feeling itching after the installation.
- To avoid damage to the Square Sense, please use a safety device, such as a fuse (6A) when installing the sensor.

NOTE: When testing during daytime, turn the control dial towards the sun symbol otherwise the lamp won't turn on.



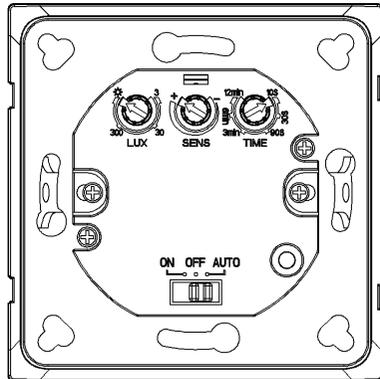
All responsibilities for defects or damages are hereby rejected if caused by: incorrect assembling of the product, incorrect supply, use of lamps not suitable for this product, external agents. BLI/209.EN



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V. Test

- Set the LUX knob clockwise until the SUN symbol is reached, then turn the SENS knob clockwise until it reaches de + symbol, and for last turn the TIME knob anti-clockwise until the 10s symbol is reached.
- The next step is to switch on the power, is everything is as mentioned above, the light will turn on imidiatly and after 10s +- 3 seconds the light should turn off.
- The next time the Square Sense receives a signal it will work as normally. Once it receives the second signal the timer starts fresh, which means that the lamp time will star from the beginning.
- Turn the LUX anti-clockwise to the minimum (3). if the ambient light is less than 3 Lux (darkness) the lamp will turn on.



VI. Troubleshooting

No Power:

Resolution: Check the load

Check if the indicator is turn on after the detection signal is sent? If so please check the load, if it is not turned on, please check the Lux setting is correct.

Poor Sensitivity:

Resolution: Make sure there's no objects that may obstruct. If the problem still remains check the heigh and the source of the detection is in the detection field.

Can't turn off the load:

Resolution: Check and see there's an continuous signal. The timer is set on max.

