

TROUBLE SHOOTING:

Unit will not function at all, lights not working

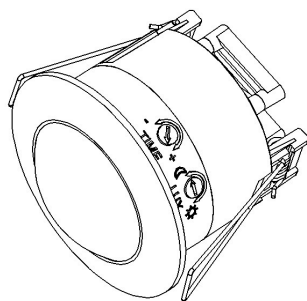
1. Check wiring to make sure that AC power is at the unit.
2. Check the wiring at the unit to make sure the unit is wired correctly.
3. Check ambient light level "not in the wrong position".

Poor sensitivity:

1. Check if there are obstacles in front of the detection window, this will affect the detection zone.
2. Check if the ambient temperature is too high.
3. Check if the signals source is in the detection fields.
4. Check if the installation height corresponds to the height showed in the instruction.

Load not switching off automatically:

1. Check if there are continual signals in the detection fields.
2. Check if the time delay is set to max.
3. Check if sensor is correctly installed as per the instructions.
4. Check if the temperature changes near the sensor, such as air condition or central heating etc.



NOTES:

Must be installed by a qualified electrician.

Avoid installing on the uneven surfaces.

Avoid installing the sensor near air conditioning, central heating, etc.

Ensure no obstacles or moving objects are in front of the detection window. This will effect detection area.

Considering your safety, please ensue power is isolated before opening an installed product

DA'SEL

BASIC

DS100 BASIC

360 deg PIR sensor

INSTALLATION AND INSTRUCTIONS

DA'SEL PIR sensors are a high quality sensor and a cost effective solution for commercial and domestic users in helping reduce energy consumption. Energy savings start as soon as the sensors are installed.

DA'SEL sensors ensure that lighting only comes on when required, and most importantly that lighting is switched off when an area is no longer in use.



DA'SEL

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* 1 year warranty on DA'SEL BASIC, 2 Years on DA'SEL STANDARD and 5 years on DA'SEL PROFESSIONAL

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SPECIFICATION:

Power Sourcing: 240V/AC

Detection Range: 360°

Power Frequency: 50/60Hz

Working Temperature: -20~+40°C

Ambient Light: 3-2000LUX (Adjustable)

Working Humidity: <93%RH

Time-Delay: Min.10sec±3sec

Max.7min±2min

Installing Height: 2.2m~4m

Power Consumption: 0.45W (work)

0.1W (static)

Rated Load: 1200W (incandescent lamp)

300W (energy-saving lamp)

Detection Motion Speed: 0.6~1.5m/s

Detection Distance: 6m max (<24°C)

FUNCTION:

- Identifies day and night automatically. Adjusts ambient light levels according to your requirements: When set to "SUN" (max), it will work during the day and night. When set to "MOON" (min), it will only operate if it's less than 3LUX. For further adjustments, please refer to the section "TEST".

- The time-delay is added continuously: When the sensor detects the first movement it will initiate the time delay, if movement is detected within that time delay period, the timer will reset to the initial time delay and so on.
- Time-delay adjustment: Is adjustable. The minimum is 10±2 sec; the maximum is 7±2min.

INSTALLATION:

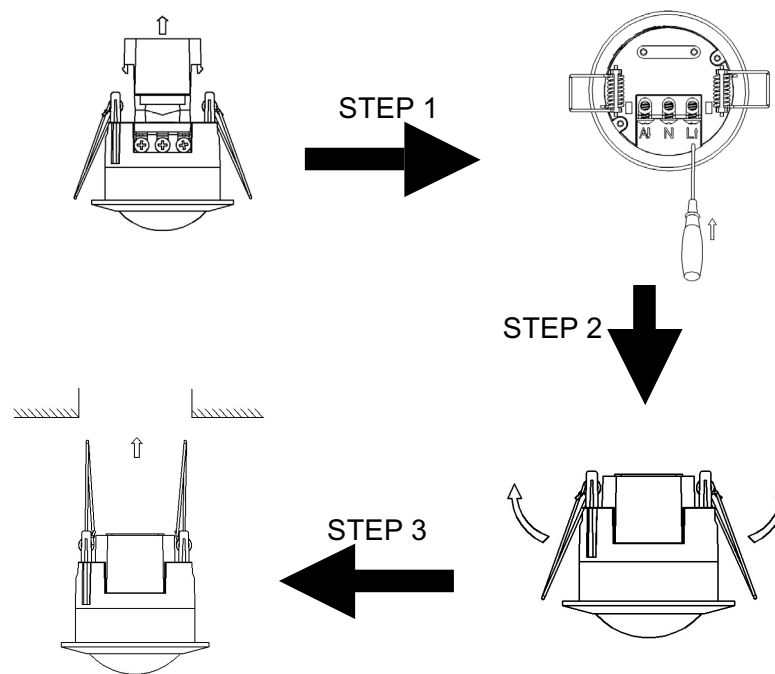
(Refer installation diagram on the right)

- Turn the power off.
- Remove the transparent plastic cover.
- Loosen screws in the terminal block, connect the power and/or rated load to the terminal block of the sensor according to connection diagram.
- Tighten the screws; put the transparent plastic cover into the original position.
- Folding the metal spring of the sensor upwards, until they are in "I" position with the sensor, push the sensor into the ceiling. Releasing the spring, the sensor will be set into the installation position.
- Turning the LUX knob anti-clockwise to minimum (moon). The switch output load will not work after the load has switched off due to ambient light levels above 3lux. Cover the detection window with an opaque object; such as a towel etc, the load should switch on.

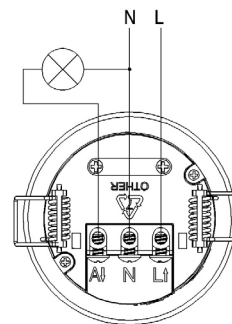
Note: when testing in daylight, please turn LUX knob to ☀ (SUN) position, otherwise the luminaire will not work!

INSTALLATION AND INSTRUCTIONS

INSTALLATION DIAGRAM:



CONNECTION DIAGRAM:



TEST:

- Turn the TIME knob anti-clockwise to minimum; turn the LUX knob clockwise to maximum (sun).
- Turn on the power, (the sensor will need time to warm-up), approx. 30 sec later, the sensor will be ready of operation.
- After 5~10 seconds when the luminaire switches off for the first time, the sensor is ready for use

