TROUBLE SHOOTING:

The load will not switch on

- The LUX adjuster is set too low and is inhibiting the switch.
- The moving body is not emitting more IR than the background.(Person wearing insulating clothing in a warm environment)
- Person is too far from the PIR switch, see detection diagram.
- Person is moving unusually slowly (perhaps when testing).

The load switches on when nobody is present:

1. PIR located close to a heat source, fan or in draught flow.
2. Ceiling movement, especially in metal mezzanine warehouses.

PRECAUTIONS AND WARRANTY:

This product conforms to BS EN 60669-2-1 and BS EN 55015.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. a 10 amp circuit breaker and voltage surge protection.

Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

NOTE:

- The unrest objects can't be regarded as the installation basis-face.
- In front of the detection window there shouldn't be hinder or unrest objects affecting detection.
- Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc.
- In order to avoid the unexpected damage of product, please add a safe device of 6A when installing microwave sensor, for example, fuse, safe tube etc.

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

DA'SEL PROFESSIONAL

DS340 PROFESSIONAL
PIR long range sensor

INSTALLATION AND INSTRUCTIONS

DA'SEL DS340 long range, narrow detection beam is designed for corridors and storage aisles giving up to a 25m detection area.

Energy Conservation Solutions Pty Ltd
Unit 9, 103 Lewis Road, Knoxfield Vic 3180 ı Ph 1300 306 136
www.ecs.net.au

DA'SEL PROFESSIONAL

DS340 PROFESSIONAL 360°
PIR long range sensor

INSTALLATION AND INSTRUCTIONS

SPECIFICATION:

Power Sourcing: 230V +/- 15% 50/60 Hz

Detection Range: 360°

Power Frequency: 50/60Hz

Working Temperature: -20~+40°C

Ambient Light: 30-1000LUX (Adjustable)

Time-Delay:
10 seconds to 40 minutes in 9 steps

Power Consumption: approx 0.9W

Installing Height:
7m diameter at 2.5m mounting height

Rated Load:
Resistive 6 amps (1500W)

Fluorescent 6 amps (1500W)

Electronic or wire wound transformer 3 amps (750W)

LED Drivers and LED lamps and fittings 2 amps (500W)

CFL or 2D lamps 2 amps (500W)

INSTALLATION PROCEDURE:

1. Please read these notes carefully before commencing work. In case of doubt please consult a qualified electrician.
2. The PIR occupancy switch (PIR) should be installed to achieve correct coverage of the area, see diagram A. If the photocell override facility is required, the PIR must be located in a position where daylight can give greater illumination than the artificial light. Avoid locating this product where it is exposed to draughty conditions or near to heat sources.
3. The greatest energy savings will be achieved if each PIR controls an independent set of lamps. They can be wired in parallel but this should ideally be limited to three (diagram F).
4. Make sure the power is isolated from the circuit. The ceiling directional PIRs mount into a Klik-AX socket DANLERS part numbers- circular CESO, square CESO SQ. These should be wired as shown (diagram E).

L Live in - **N** Neutral in - **A** Switched Line out

START-UP MODE:

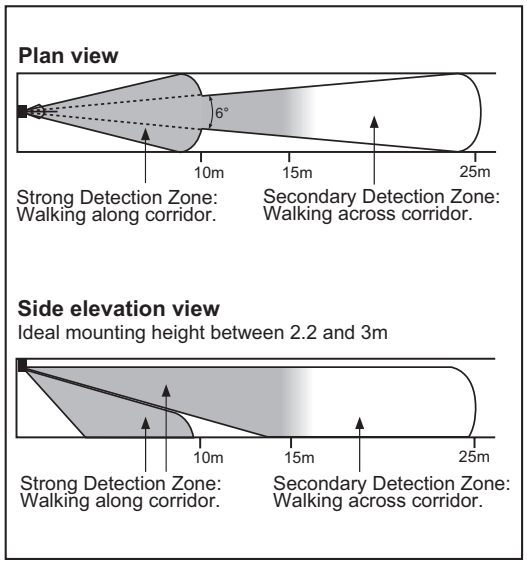
When the PIR is powered up, it will switch on the load for 1 minute, the load will then switch off and the PIR will enter its Operating Mode. If a manual override-off switch is positioned before the PIR in the circuit (diagrams D & F, note 1) it will do this each time the wall switch is switched on. Alternatively, if the wall switch is placed after the PIR (diagrams D & F, note 2) it will not enter the start-up mode each time.After finishing installing, the sensor could be connected to the power and tested.

TIME AND LUX SET-UP:

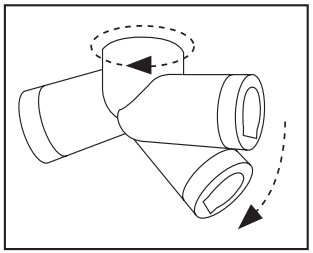
For convenience, ensure that the TIME is set to the minimum when setting up the LUX level. Afterwards set the TIME to a value suitable for the application, making reference to diagram C.

The LUX is best set up when the local ambient light is at approximately the minimum desired light level. With the LUX set fully clockwise wait for the PIR to switch off. Rotate the LUX adjuster slowly anticlockwise (- to +), whilst waving your hand approximately 1m in front of the PIR, until the load switches on.

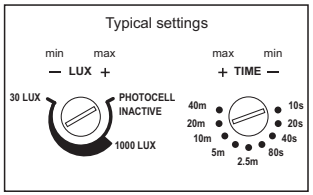
A: DS340 Detection diagram



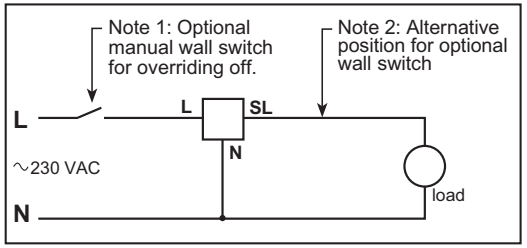
B: Barrel positioning



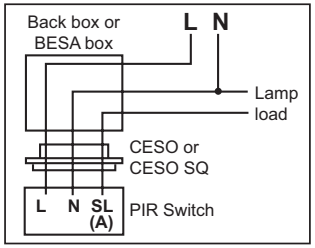
C: Adjusting time and lux



D: Wiring diagram, single PIR



E: Wiring diagram, socket



F: Wiring diagram, multiple PIRs