IL-TSDALISA
Ceiling Flush Mount Passive Infra Red (PIR) Occupancy Detector & Photocell

Input: 100-240 Vac 50/60Hz

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT
NOTE: **IL-TSDALISA** is only compatible to work with INGY enabled equipment.

This fl ush mounted **IL-TSDALISA** is suitable for easy mounting through a 73/75mm diameter hole into a ceiling void which is at least 78mm deep. Confi gurable for any room occupancy style, via the free to download INGY APP on Google Play or Apple APP Store.

INSTALLATION

To be installed by a competent person with reference to BS 7671 or equivalent local standards. If in doubt consult a qualified electrician.

- Plan where the **IL-TSDALISA** is to be located (see diagram 1). Switch off supply and check for hidden cables and pipes. Make a 73/75mm diameter hole through a standard ceiling board.
- The **IL-TSDALISA** should be connected as shown in diagram 2:
  L - Live in.   N - Neutral in.
- Ensure both springs are fi tted to the moulding in the correct orientation (see diagram 3).
- Push the **IL-TSDALISA** into the ceiling void, making reference to diagram 4.

OPERATION

To check the operation of the **IL-TSDALISA**:

- Turn on the supply then after 20 seconds if the sensor has recognised movement of a person within its zone of detection the integral red LED on **IL-TSDALISA** will stay illuminated for 4 seconds before the red LED turns off.
- Thereafter, every time movement is detected by **IL-TSDALISA** the integral red LED will stay illuminated for 4 seconds.

The control also features adjustable time out (time lag) control and daylight threshold control which are configured by the INGY APP.

PRECAUTIONS

- Do not place the **IL-TSDALISA** near heat sources, fans or in ventilated ceiling voids.
- **IL-TSDALISA** can be wired in parallel (sharing the same Live and Neutral).
- Do not place close to, or positioned such that, any light source points directly into the **IL-TSDALISA**
- Ensure wires and cables are securely held within the connection terminals.
- The **IL-TSDALISA** should be protected by a 5 or 6 Ampere mcb or fuse.
- **Disconnect the IL-TSDALISA from the circuit before performing insulation testing of the wiring circuit.**

5 YEAR WARRANTY

IL-TSDALISA comes with a 5 year warranty from the date of manufacture and is CE marked.

TECHNICAL DETAILS

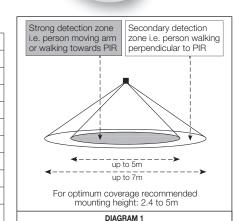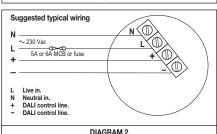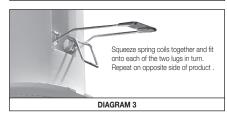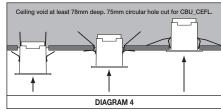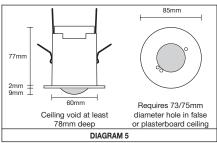| INPUT	
Voltage:	100 - 240Vac
Frequency:	50/60Hz
Max. mains current:	20mA
Standby current:	14mA
RADIO TRANSCEIVER	
Operating frequencies:	2.4... 2,480 GHz
Max. output power:	+4 dBm
LUX PARAMETERS	
Range:	5 - 2000 lux
OPERATING CONDITIONS Note: The temperature difference between the detection target and the background must be at least 4 °C.	
Ambient temperature:	-20... +40 °C (Iout 20mA)
Storage temperature:	-25... +75 °C
Max. relative humidity:	0... 80%, non cond.
CONNECTORS	
Terminal block Wire size:	0.5mm^2 - 2.5mm^2 solid or stranded
Wire strip length:	6-7mm
Tightening torque:	0,4 Nm/4 Kgf.cm
MECHANICAL DATA	
Dimensions:	79mm x 85mm x 85mm
Weight:	97g (unpacked)
Degree of protection:	IP40
Protection class:	Built-in Class 2
Material (casing)	Flame-retardant polycarbonate
Finish / Colour	Matt /White (RAL 9003)
Protection class:	Built-in Class 2
CONFORMITY AND STANDARDS	
EMC emission: EN 301 489-1 V2.2.0, EN 301 489-17 V3.1.1, EN 55032: 2015, EN61000-3-2: 2014, EN61000-3-3: 2013	
EMC immunity: EN 301 489-1 V2.2.0, EN 301 489-17 V3.1.1	
Environment: Complies with WEEE and RoHS directives	

| Strong detection zone i.e. person moving arm or walking towards PIR | Secondary detection zone i.e. person walking perpendicular to PIR |

up to 5m
up to 7m

For optimum coverage recommended mounting height: 2.4 to 5m

DIAGRAM 1

Suggested typical wiring

~ 230 Vac
5A or 6A MCB or fuse

L   Live in.
N   Neutral in.
+   DALI control line.
−   DALI control line.

DIAGRAM 2

Squeeze spring coils together and fit onto each of the two lugs in turn. Repeat on opposite side of product .

DIAGRAM 3

Ceiling void at least 78mm deep. 75mm circular hole cut for CBU_CEFL.

DIAGRAM 4

85mm
77mm
2mm
9mm
60mm

Ceiling void at least 78mm deep

Requires 73/75mm diameter hole in false or plasterboard ceiling

DIAGRAM 5

INTER LIGHT

INGY smarttech inside