

ITC-PIRWB

Ceiling High Bay (Wide) Passive Infra Red (PIR) Occupancy Detector & Photocell

CASAMBI Input: 220-240 Vac 50Hz

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT NOTE: ITC-PIRWB is only compatible to work with CASAMBI enable equipment

This **ITC-PIRWB** High Bay (Wide Detection) Lighting Control can be mounted directly onto solid ceilings or onto a range of different mounting boxes. Configurable via the free to download Casambi APP on



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 ITC-PIRWB 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 ITC-PIRWB should be connected as shown in diagram 2:

L - Live in. N - Neutral in.

• Knockout or drill the appropriate holes on the mounting plate for attaching the plate to the ceiling or back box (if applicable). Feed cables through the appropriate (side or rear) entry hole. Screw the back mounting plate to the ceiling or back box via the mounting holes. Wire the cables into the sensor head block terminal. Push the sensor head onto the mounting plate and align the side clips with the slots on the sensor heads.

OPERATION

To check the operation of the ITC-PIRWB:

- 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 ITC-PIRWB will stay illuminated for 4 seconds before the red LED turns off
- Thereafter, every time movement is detected by **ITC-PIRWB** the integral red LED will stay illuminated for 4 seconds.

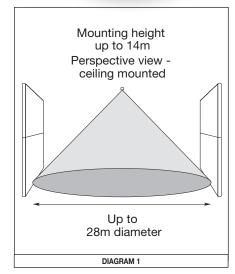
The control also features adjustable time out (time lag) control and daylight threshold control which are configured by the Casambi APP.

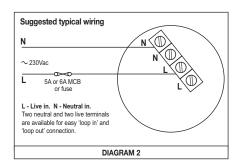
PRECAUTIONS

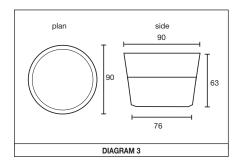
- Do not place the CBU-HBWD near heat sources, fans or in ventilated ceiling voids.
- ITC-PIRWB can be wired in parallel (sharing the same Live and Neutral).
- Do not place close to, or positioned such that, any light source points directly into the CBU-
- Ensure wires and cables are securely held within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

TECHNICAL DETAILS

INPUT	
Voltage:	220 - 240Vac
Frequency:	50Hz
Max. mains current:	0.05A
Standby current:	0.05A
RADIO TRANSCEIVER	
Operating frequencies:	2.4 2,483 GHz
Max. output power:	+4 dBm
OPERATING CONDITIONS Note: The temperature difference between the detection target and the background must be at least 4 °C.	
Ambient temperature:	-20 +40 °C (lout 0.05 A)
Max. case temperature:	+70 °C
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:	63mm x 91mm x 91mm
Weight:	226g (unpacked)
Degree of protection:	IP20
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:	EN60669-2-1:2004 inc. A12:2010
EMC immunity:	EN60669-2-1:2004 inc. A12:2010
Safety:	EN60669-2-1:2004 inc. A12:2010
Environment:	Complies with WEEE and RoHS directives







5 YEAR WARRANTY

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



DANLERS Limited, Vincients Road, CHIPPENHAM, Wiltshire, SN14 6NQ, UK. Telephone: +44 (0)1249 443377 Fax: +44 (0)1249 443388 E-mail: sales@danlers.co.uk

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