

CBU-CEFL10V12V DANLERS

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

Input: 12VDC

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT
NOTE: CBU-CEFL10V12V is only compatible to work with CBU enabled equipment.



This flush mounted CBU-CEFL10V12V is suitable for easy mounting through a 2.87-2.95" diameter hole into a ceiling void which is at least 3.03" deep. Configurable for any room occupancy style, via the free to download CBU APP on Google Play or Apple APP Store.

INSTALLATION

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

- Plan where the CBU-CEFL10V12V 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.
- CBU-CEFL10V12V should be connected as shown in diagram 2:
12V- 12V in. 0V- 0V in. +/- 0-10V Control Lines.
- Ensure both springs are fitted to the moulding in the correct orientation (see diagram 3).
- Push the ICBU-CEFL10V12V into the ceiling void, making reference to diagram 4.

OPERATION

To check the operation of the CBU-CEFL10V12V subject to software version:

- 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 CBU-CEFL10V12V will stay illuminated for 4 seconds before the red LED turns off.
- Thereafter, every time movement is detected by CBU-CEFL10V12V 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 CBU APP.

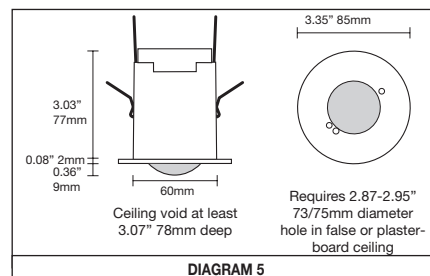
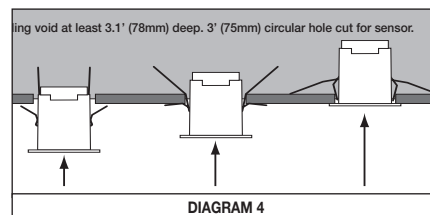
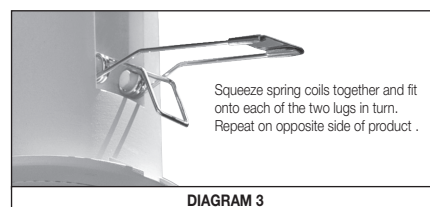
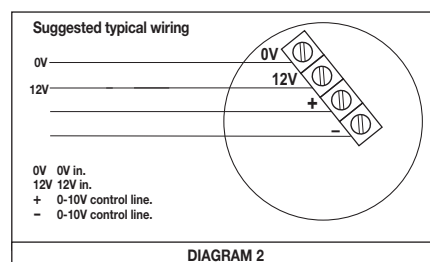
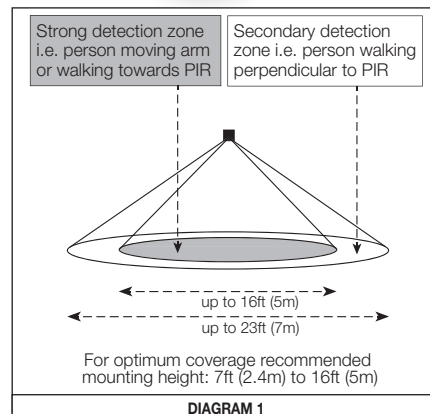
PRECAUTIONS

- Do not place the CBU-CEFL10V12V near heat sources, fans or in ventilated ceiling voids.
- CBU-CEFL10V12V 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-CEFL10V12V.
- Ensure wires and cables are securely held within the connection terminals.
- The CBU-CEFL10V12V should be protected by a suitable mcb or fuse.
- Disconnect the CBU-CEFL10V12V from the circuit before performing insulation testing of the wiring circuit.**

CBU-CEFL10V12V comes with a 5 year warranty from the date of manufacture and is CE marked.

TECHNICAL DETAILS

INPUT	
Voltage:	11.5-13VDC
Frequency:	N/A
Max. current:	52mA
Standby current:	38mA
OUTPUT	
Output:	0-10VDC
Output Current:	40mA (maximum 20 ballasts)
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 7.2 °F.	
Ambient temperature:	-4... +104 °F
Storage temperature:	-13... +167 °F
Max. relative humidity:	0... 80%, non cond.
CONNECTORS	
Terminal block	14-22 AWG solid or stranded
Wire size:	
Wire strip length:	0.23-0.28"
Tightening torque:	3.5lb in
MECHANICAL DATA	
Dimensions:	3.07" x 3.35" x 3.35"
Weight:	3.4oz (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	
UL Approvals: UL60730-1/CSA E60730-1, Automatic Electrical Controls Part 1: General Requirements, Edition 5	
Environment: Complies with WEEE and RoHS directives	



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