

# CEILING FLUSH PIR OCCUPANCY SWITCHES



This range of energy saving products is designed for the automatic switching of a wide variety of load types.

These products include a person detector and an adjustable photocell override. Designed for mounting through suspended or plasterboard ceilings, they are neat and unobtrusive, and each includes a 2 metre cable for quick and easy installation.



## Product options include:

- PIR presence detector switches
- PIR absence detection switches
- PIR switch/dim detector controls
- Low voltage variants.

## SPECIFICATION:

Detection zone:	360°
Max. detection area:	7m diameter at 2.4m mounting height
Max. mounting height:	5m
Photocell range:	30-1000 lux and inactive
Time lag range:	10 seconds to 40 minutes in 9 steps
Dimensions:	72mm diameter x 68mm.

## LOADING:

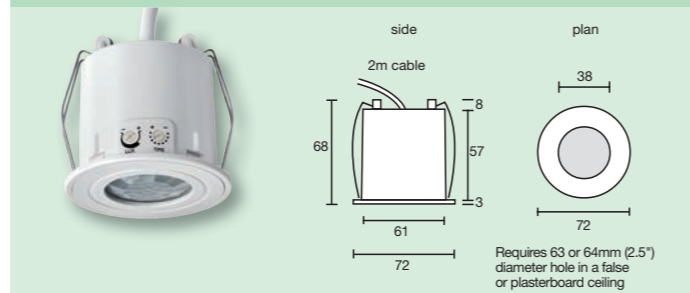
6 amps (1500W)	Resistive
6 amps (1500W)	Fluorescent
3 amps (750W)	Electronic or wire wound transformer
2 amps (500W)	LED Drivers and LED lamps and fittings
2 amps (500W)	CFL or 2D lamps
1 amp (250W)	Fans
Minimum Load:	2W resistive.

## LOADING:

<b>CEFL PIR 10A</b>	As above except for the following:
10 amps (2500W)	Resistive
10 amps (2500W)	Fluorescent

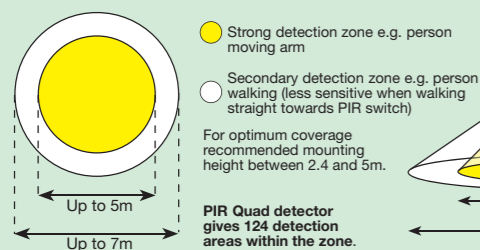
**5 YEAR WARRANTY - MADE IN THE U.K.**

## Dimensions in mm

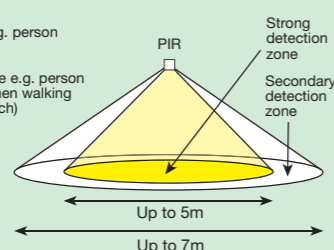


## Detection diagrams

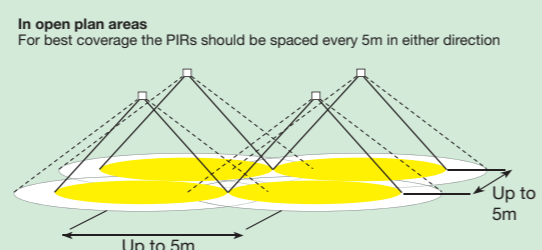
### Plan view of detection zone



### Perspective view of detection zone



### Several PIR occupancy switches



# CEILING FLUSH PIR OCCUPANCY SWITCHES

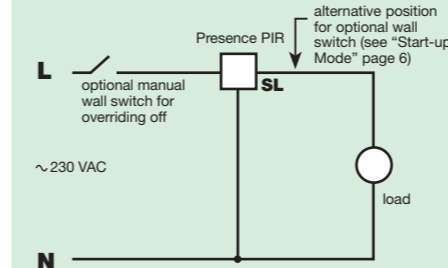
DANLERS PRODUCT ORDER CODE	DETECTION TYPE	ADDITIONAL PRODUCT DESCRIPTION	WIRING DIAGRAMS
<b>CEFL PIR</b>	Presence	Neat and unobtrusive ceiling flush mounted PIR occupancy switch.	17.1
<b>CEFLP PIR</b>	Presence	As CEFL PIR, but with plug for ceiling socket CESO.	17.1
<b>CEFL PIR 10A</b>	Presence	As CEFL PIR, but with 10 amp rating for fluorescent or resistive loads.	17.1
<b>CEFL PIR SEALED</b>	Presence	As CEFL PIR, but sealed against light splashes and condensation.	17.1
<b>CEFL PIRSV</b>	Presence	As CEFL PIR, but with short visit and courtesy exit modes.	17.2
<b>CEFLA PIR</b>	Absence	As CEFL PIR, but with absence detection.*	17.2
<b>CEFLA PIRSD</b>	Absence	Absence detection, with manual switching and dimming. For controlling Switch/Dim ballasts.*	17.3
<b>CEFL PIR 12VAC, CEFL PIR 12VDC, CEFL PIR 24VAC, CEFL PIR 24VDC</b>	Presence	As CEFL PIR, but for operating voltages of 12V a.c. or d.c. or 24V a.c. or d.c.	Not Illustrated
<b>CEFL PIR 12VACVF, CEFL PIR 12VDCVF, CEFL PIR 24VACVF, CEFL PIR 24VDCVF</b>	Presence	As CEFL PIR, but with volt-free contacts. For operating voltages of 12V a.c. or d.c. or 24V a.c. or d.c.	Not Illustrated

\*Requires mains rated momentary (retractive) wall switch (see page 55).

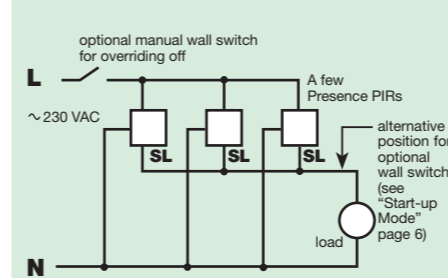
DANLERS can also supply many variants of standard products to special order. Please contact us to discuss your requirements.

## 17.1. Wiring diagrams Presence PIR

### Single control

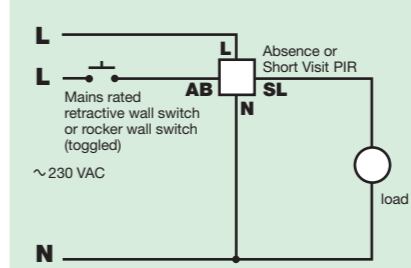


### A few controls wired in parallel

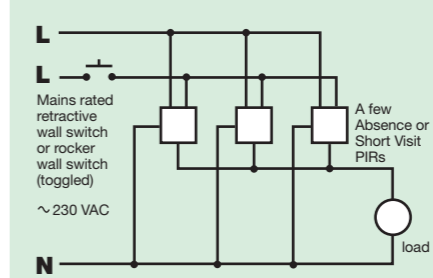


## 17.2. Wiring diagrams Absence PIR and Short Visit PIR

### Single control

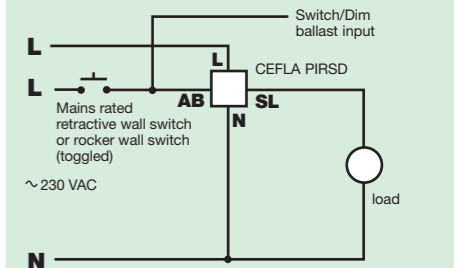


### A few controls wired in parallel



## 17.3. Wiring diagrams Switch/Dim PIR

### Single CEFLA PIRSD



### A few CEFLA PIRSD wired in parallel

