



ControlZAPP[®]



**New - Innovative
Energy Saving
Lighting Control**



DESIGNED & MANUFACTURED BY

DANLERS



ControlZAPP technology is DANLERS latest innovation in Energy Saving Lighting Control.

Just download the free APP onto any smart phone or tablet with Bluetooth 'Smart' capability. The smart phone or tablet can then be used to set up, adjust or override a ControlZAPP enabled product, such as the NEW DANLERS ControlZAPP Passive Infra-red Occupancy Switch (**Order Code: CZCEFLP**).

Because ControlZAPP products have an internal, real time clock, they can be programmed to change their function at different times of day, or on different days of the week. Even holidays can be programmed into the ControlZAPP product's schedule.

A clear, simple to use, convenient and flexible set up and programming procedure enables both end users and installers to configure the ControlZAPP enabled product to suit their requirements:

- Photocell (lux) settings using DANLERS patented 'Intelligent' photocell calibration process to maximise use of natural light
- Set back dimming levels on non-occupation
- Occupancy detection or absence detection
- Individual controls can be adjusted; or groups of controls (no need for a central control hub)
- Time lag settings to maximise lamp life and user comfort
- Plus many other features

ControlZAPP enabled products are ideal for offices, factories, warehouses, retail units, hospitals, schools and colleges, leisure parks, shared accommodation, domestic accommodation and many other environments.



WITH SEVERAL NEW ControlZAPP ENABLED PRODUCTS IN THE PIPELINE, PLEASE CALL FOR THE LATEST NEWS.

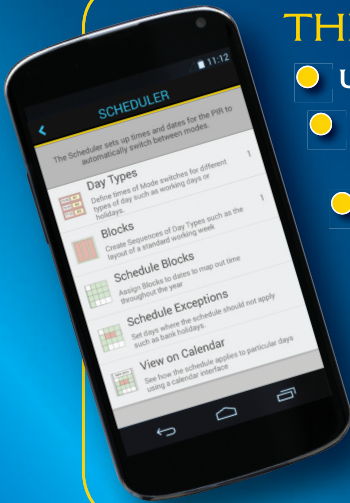


THE HARDWARE:

- Designed to maximise energy efficiency with flexible, convenient user control
- Sunrise / sunset prediction using REAL TIME settings based on your location.
- Presence or Absence detection capability
- Short visit mode - for additional energy saving
- Analogue or DALI switching capability
- Patented 'active' lux calibration photocell
- Digital sensor control
- Suitable for switched mains output 100 - 260Vac voltage
- Volt free, 12V or 24V outputs also available



THE SOFTWARE:



- User friendly interface designed with end users & installers in mind
- Alter control settings remotely using bluetooth low energy communications
- Set up and configure profiles, schedules and exceptions by smart phone or tablet
- Free downloadable 'app'
- Uploadable pre-defined profiles
- Individual or group control
- Flexibility to change time profiles in REAL TIME
- Up to the minute control status logging

THE BENEFITS:

- SAVE ENERGY - SAVE MONEY
- Cost effective lighting control - no central hub required
- Rapid payback on initial investment
- Easy to install and configure - putting YOU in control
- Compatible with most lighting loads including LED lamps and fittings
- Functionality driven by REAL TIME clock so events happen EXACTLY when you want
- Suitable for new build or retrofit, large or small installations, compatible with modular wiring systems
- Designed and manufactured in UK



**For more information visit
our website: www.danlers.co.uk
or call +44 (0)1249 443377
or email: sales@danlers.co.uk**

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ControlZAPP Ceiling Flush Mount PIR Occupancy Switch - CZCEFLP



The ControlZAPP flush mounted PIR switch is suitable for easy mounting through a 73/75mm diameter hole into a ceiling void which is at least 95mm deep. Configurable for any room occupancy style, via a Bluetooth Low Energy enabled Mobile phone or tablet.

Because the CZCEFLP ControlZAPP enabled device learns its GPS location at the time of programming, reprogramming and fine tuning can be done without line of sight, from anywhere within the signal range of the Bluetooth Low Energy smart phone or tablet.

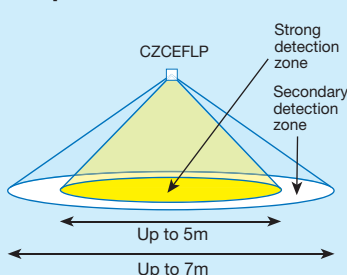
It switches on the lighting load if the area is occupied and if the ambient lux level is less than the chosen adjusted level. It switches off the lighting load if the area is unoccupied for the set time. It is also suitable for non lighting loads by setting the lux to the maximum point.

SPECIFICATION

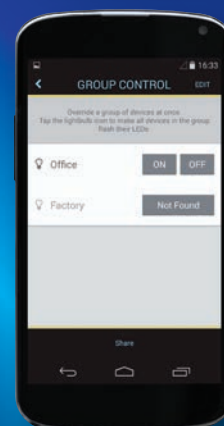
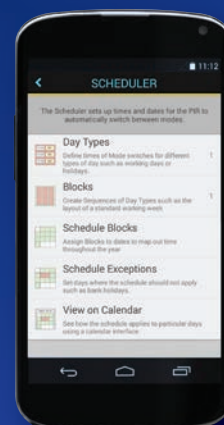
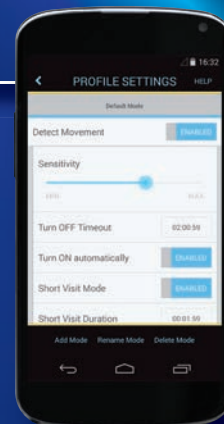
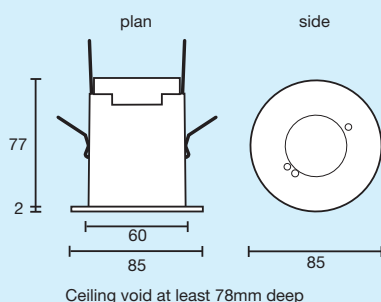
Voltage:	Suitable for mains voltage 100 - 260Vac, 50Hz (switch mode).
Loading:	10 amp (2500W) of Resistive loads. 6 amp (1500W) of Fluorescent loads. 3 amp (750W) of Transformer loads. 3 amp (750W) of CFL, LED and 2D lamps.
Minimum load:	2W resistive, suitable for most energy saving lamps, LED's and emergency fittings.
Detection range:	360 degrees with 7m diameter when mounted at a 2.4m ceiling height.
Time:	Can be easily adjusted by APP to individual requirement
Lux:	Enabled: 30 to 1000 lux. Can be also disabled.
Sensitivity:	Adjustable via APP.
Short visit mode:	Adjustable from 10s to 1 hour.
Detection modes:	Presence detection or Absence detection.
Output:	Analogue or DALI functionality.
Additional features:	Automatic Sunrise / Sunset prediction. This feature can be remotely adjusted via APP. Lamp burn in facility if required. Upload indicator to ensure successful programming. LED indicator for presence recognition of someone within its detection range (can be turned off).

Detection diagrams

Perspective view of detection zone



Dimensions in mm



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DANLERS

DANLERS Limited,
DANLERS Business Centre,
Vincients Road, Chippenham,
Wiltshire, SN14 6NQ
United Kingdom
Tel: +44 (0)1249 443377.
Fax: +44 (0)1249 443388.
E-mail: sales@danlers.co.uk

www.danlers.co.uk

