

BATTEN MOUNT PIR OCCUPANCY SWITCHES

- INCLUDING VERSIONS WITH DANLERS PATENTED 'INTELLIGENT' PHOTOCELL FOR GREATER SAVINGS
- Switch up to 2 amps LED
- Switch up to 6 amps fluorescent 2 amps LED
- Mount on the end of lighting battens via 20mm knockout
- IP66 versions available
- Easy to install and commission
- Manufactured in the UK
- 5 YEAR WARRANTY



DANLERS
Controls for Lighting & HVAC

www.danlers.co.uk

BATTEN MOUNTED PIR SWITCH RANGE



This range of energy saving products is designed for the automatic switching of lighting loads.

Designed to fit on the end of an existing batten or a suspended light fitting via a 20mm knock out.

1m wire tails included for quick and convenient installation.

Ideal for use in factories, warehouses, offices, schools etc.

Realtime photocell status indicator (glows green when active or red when inactive).



Specification

Detection zone: 360°

Time lag range: 10 seconds to 40 minutes in 9 steps

Loading: 6 amps (1500W) of resistive loads.
6 amps (1500W) of fluorescent loads.
3 amps (750W) of electronic or wire wound transformer loads.
2 amps (500W) of CFL, 2D lamps, LED Drivers and LED lamps and fittings.
1 amp (250W) of fans.

Minimum Load: 2W resistive.

FEATURES

Ideal to retrofit on existing light fittings

Batten fitting via 20mm knock out

Adjustable time lag settings

Versions with adjustable passive photocell

Versions with adjustable intelligent active photocell for additional savings

IP66 rated versions

5m, 10m, spot and reduced height range options

Photocell only options

Easy to install - 1m wire tails included

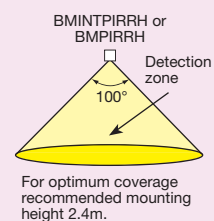
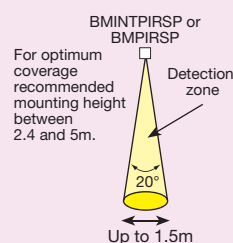
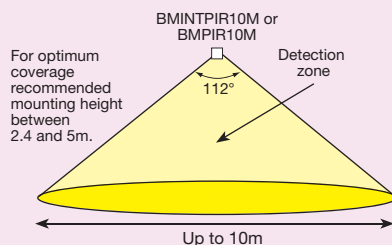
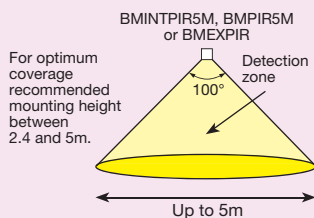
5 YEAR WARRANTY

MADE IN THE U.K.

ENERGY SAVING

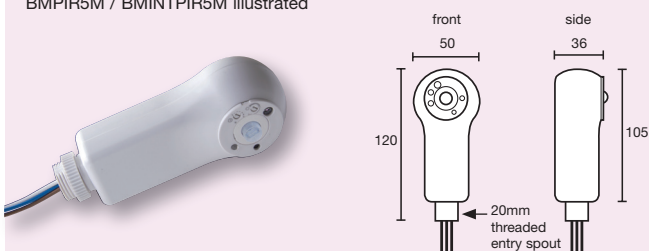
Detection diagrams

Perspective view of detection zone



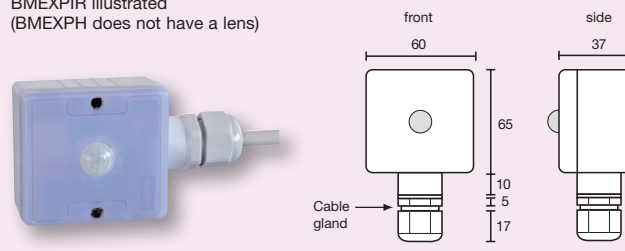
A - Dimensions in mm

BMPIR5M / BMINTPIR5M illustrated



B - Dimensions in mm

BMEXPIR illustrated (BMEXPH does not have a lens)



BATTEN MOUNTED PIR SWITCH RANGE

BATTEN MOUNT CONTROLS WITH PASSIVE PHOTOCELL

Ideal for for areas with minimal or no natural daylight.

DANLERS PRODUCT ORDER CODE	DETECTION TYPE	PHOTOCELL LUX RANGE	ADDITIONAL PRODUCT DESCRIPTION	WIRING DIAGRAMS	DIMENSION DIAGRAMS	2016 CATALOGUE PAGE NO.
BMPIR5M	Presence	100-3000 & inactive	Can be mounted onto the end of lighting battens via the 20mm knock out. IP53 rated. 5m detection at 2.4m - 5m mounting height.	23	A	24
BMPIR10M	Presence	100-3000 & inactive	As BMPIR5M but 10m diameter detection at 2.4m - 5m mounting height.	23	A	24
BMPIRSP	Presence	100-3000 & inactive	As BMPIR5M but Spot detection, 1.5m diameter detection at 2.4m - 5m mounting height.	23	A	24
BMPIRRH	Presence	100-3000 & inactive	As BMPIR5M but Reduced Height version to avoid detection spillage onto lower floors in mezzanine storage applications. 2.5m diameter detection at 2.5m mounting height.	23	A	24
BMEXPIR	Presence	10-400	IP66 rated. Ideal for outdoor use such as car parks underpasses, etc. 5m detection at 2.4m - 5m mounting height.	23	B	26
BMEXPH	-	10-300	IP66 rated switching photocell - no person detection. Switches on when ambient light is below chosen threshold, and switches off when above the threshold.	23	B	59

BATTEN MOUNT CONTROLS WITH 'INTELLIGENT' ACTIVE' PHOTOCELL (GB PATENT NO. 2 502 847)

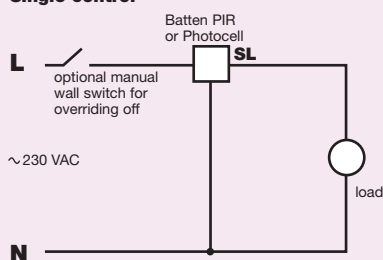
With a unique, one touch calibration process, these products learn the light contribution of the artificial light they are controlling, and take this into account when automatically switching on or off. This eliminates the risk of the load 'cycling' on and off. **To maximise on the energy saving potential of the 'Intelligent' photocell, these products are recommended for areas with some natural daylight.**

If the lighting load is ON and the ambient light rises above the preset threshold - the load is switched OFF. The load is inhibited from switching ON if the lux is greater than the preset threshold. The active photocell operation maximises and the energy saving Overlux timer (passing cloud timer) minimises unnecessary switching for brief, transient changes in ambient daylight.

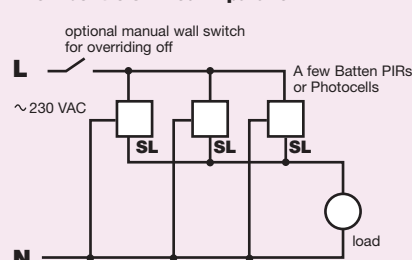
DANLERS PRODUCT ORDER CODE	DETECTION TYPE	PHOTOCELL LUX RANGE	ADDITIONAL PRODUCT DESCRIPTION	WIRING DIAGRAMS	DIMENSION DIAGRAMS	2016 CATALOGUE PAGE NO.
BMINTPIR5M	Presence	100-3000	Can be mounted onto the end of lighting battens via the 20mm knock out. 1 metre wire tails to connect to the lighting ballast. IP53 rated. 5m detection at 2.4m - 5m mounting height.	23	A	25
BMINTPIR10M	Presence	100-3000	As BMINTPIR5M but 10m detection at 2.4m - 5m mounting height.	23	A	25
BMINTPIRSP	Presence	100-3000	As BMINTPIR5M but Spot detection, 1.5m diameter detection at 2.4m - 5m mounting height.	23	A	25
BMINTPIRRH	Presence	100-3000	As BMINTPIR5M but Reduced Height version to avoid detection spillage onto lower floors, 2.5m diameter detection at 2.5m mounting height.	23	A	25
BMINTPH	-	100-3000	Switching photocell - no person detection. Switches on when ambient light is below chosen threshold, and switches off when above the threshold.	23	B	59

23. Wiring diagrams

Single control



A few controls wired in parallel



ALSO AVAILABLE FROM DANLERS

Outdoor security switches

IP66 rated PIR switch with adjustable photocell override.
IP66 rated Twilight switches with adjustable photocell settings.
IP66 rated Dusk switch with adjustable photocell and adjustable time settings.

Time lag switches

Ideal for energy saving. Adjustable time lags.
IP66 rated exterior time lag switches.
Plated time lag switches. Grid time lag modules.
Multi-selectable time lag switches.

Quiet dimmers (trailing edge)

Push button action in grid versions.
Suitable for dimming: Incandescent lamps, mains halogen lamps,
most directly dimmable LED lamps, dimmable electronic transformers.
Multi-way switching AND dimming using matching slaves.

Rotary and push LED dimmers (leading edge)

LED dimmer module ideal for retrofitting onto existing wall plates
or for other equipment manufacturers to fit on their own plates.
Suitable for dimming most directly dimmable LED lamps.
Plated LED dimmers in 1, 2, 3 and 4 gang options.
Suitable for dimming most directly dimmable LED lamps.

Soft start dimmers (leading edge)

Push button action in plated or grid versions.
Soft start dimming for tungsten, mains halogen and dimmable transformer loads.
Versions up to 630W.
Multi-way switching AND dimming using matching slaves.

Push and rotary dimmers (leading edge)

Versions for tungsten, mains halogen and dimmable transformer loads.
Versions up to 1000W. 1, 2, 3 and 4 gang plates.
1-way and 2-way switching.

Manual high frequency dimmers (suitable for LED)

Manual push dimmers for fluorescent loads with dimmable high frequency ballasts.
Plated versions and Grid module versions.
Versions suitable for dimmable ballasts with 1-10VDC input.
Version suitable for DSI dimmable ballasts.

HVAC controls

Heater boost switches and Air conditioning 'Time-on' switches with multi-selectable time lags.
Fan speed control.

Radio remote controls

Remote control switching and dimming. Hand held or wire-free wall mounted senders.
Receiver switches and dimmers for indoor or outdoor mounting.

Bespoke / O.E.M. products and relay options

Products for Original Equipment Manufacturers including PIR occupancy switches, Time lag switches, Controls with low voltage inputs and with low voltage or volt-free outputs.
Dimmer modules and Time lag modules for O.E.M's. to assemble onto their own plates.

Contract Electronics Manufacturing

Bespoke services, including surface mount and through hole electronic assembly.

When installing any DANLERS products, please ensure that the most recent edition of the appropriate local wiring regulations has been observed and that appropriate protective measures have been applied.

DANLERS Limited has a policy of continuous development. The right is reserved to change specifications without prior notification or public announcement.
