

IP66 RATED SECURITY SWITCHES



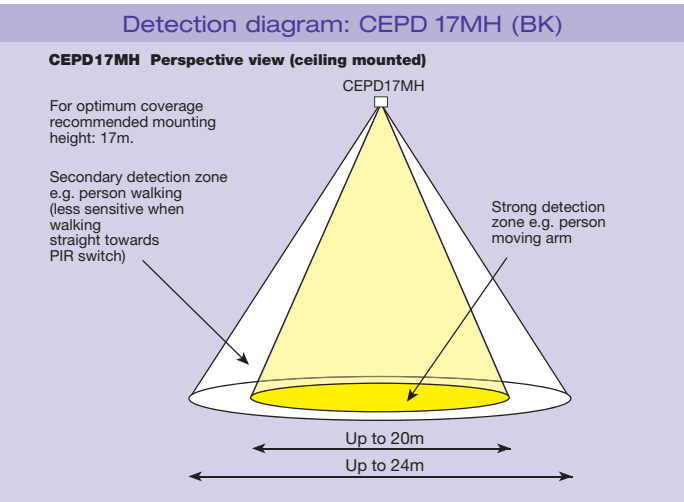
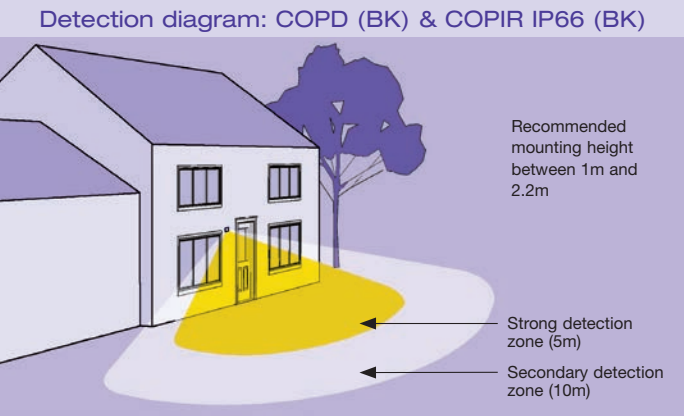
This range of products is ideal for energy saving, security and convenience in indoor and outdoor applications.

Ideal for energy saving, night time security and convenience in commercial or domestic applications.

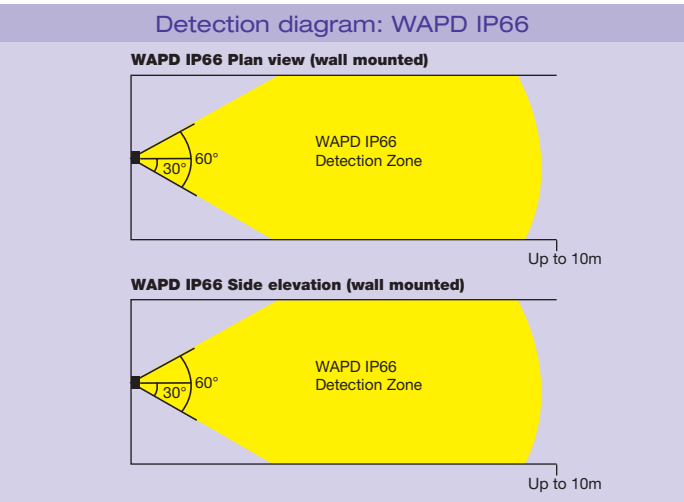
IP66 rated, polycarbonate mouldings.

Product options include:

- Compact person detectors (PIR Occupancy switch) with photocell switching: COPD (BK) and COPIR IP66 (BK)
- Compact person detectors without photocell switching: CEPD 17M (BK) and WAPD IP66 (BK)
- Twilight switch with Intelligent photocell switching (TWSW INT)
- Twilight switch with photocell switching (TWSW)
- Dusk switch with photocell switching (DUSW) - turns load off after a chosen period.



SPECIFICATION:	
Detection:	See diagrams below
Weatherproof:	IP66 rated
Photocell range:	See table on page 65
Time lag range:	See table on page 65
Dimensions:	75 x 60 x 37mm
LOADING: COPD (BK), TWSW INT, TWSW and DUSW	
6 amps (1500W)	Resistive
6 amps (1500W)	Fluorescent: COPD (BK), TWSW INT and DUSW
4 amps (1000W)	Fluorescent: TWSW
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)	Most fans and metal halide discharge lamps
Minimum Load:	2W Resistive
LOADING: COPIR IP66 (BK), CEPD 17MH (BK) and WAPD IP66 (BK)	
10 amps (2300W)	Fluorescent
10 amps (2300W)	Incandescent or mains halogen lamps (recommended with integral safety fuse)
6 amps (1500W)	Electronic or wire wound transformer
6 amps (1500W)	CFL or LED Drivers and LED lamps and fittings (PF ≥ 0.95)
1 amp (250W)	Most fans and metal halide discharge lamps
Minimum Load:	2W Resistive
5 YEAR WARRANTY - MADE IN THE U.K.	



IP66 RATED SECURITY SWITCHES

DANLERS PRODUCT ORDER CODE	PIR OCCUPANCY DETECTION	PHOTOCELL LUX RANGE	TIME LAG RANGE	ADDITIONAL PRODUCT DESCRIPTION	WIRING DIAGRAMS
COPIR IP66 (grey/white enclosure) COPIR IP66 BK (black enclosure)	Yes	10 - 1000 lux (adjustable) Infinite lux selected via internal button. LED feedback to ensure correct lux setting.	10 seconds to 40 minutes in 9 steps	Compact person detector (PIR Occupancy switch) A PIR switch (presence detection) which switches lights on when somebody is detected. Switches lights off when nobody has been detected for a chosen period. The photocell can be set so that lights do not switch on during the day. IP66 rated grey/white enclosure. 10A maximum load. 6A maximum LED load (PF ≥ 0.95). Detection angle: 120°. Detection range: Up to 10m.	65.1
COPD (grey/white enclosure) COPD BK (black enclosure)	Yes	10 - 1000 lux (adjustable) Infinite lux selected via internal button. LED feedback to ensure correct lux setting.	10 seconds to 40 minutes in 9 steps	Compact person detector (PIR Occupancy switch) As COPIR IP66 but with: 6A maximum load. 2A maximum LED load.	65.1
CEPD 17MH (grey/white enclosure) CEPD 17MH BK (black enclosure)	Yes	No photocell	10 seconds to 40 minutes in 9 steps	Ceiling mount person detector (PIR Occupancy switch) Ceiling mounted PIR switch (presence detection) which can also be mounted onto the end of lighting battens via the 20mm knock out. IP66 rated enclosure. 10A maximum load. 6A maximum LED load (PF ≥ 0.95). Detection zone: 360°. Detection angle: 60°. Mounting height: Up to 17m. Detection range: Up to 24m.	65.1
WAPD IP66 (grey/white enclosure) WAPD IP66 BK (black enclosure)	Yes	No photocell	10 seconds to 40 minutes in 9 steps	Wall mounted person detector (PIR Occupancy switch) A PIR switch (presence detection) which can be surface mounted onto an external or internal wall. The switch includes the connection 20mm thread. IP66 rated enclosure. 10A maximum load. 6A maximum LED load (PF ≥ 0.95). Detection angle: 60°. Detection range: Up to 10m.	65.1
TWSW INT	No	10 - 1000 lux (adjustable). LED feedback to ensure correct lux setting.	-	Twilight switch with Intelligent photocell Switches outdoor lights on at dusk and off at dawn. Ideal for all night security. Patented "Intelligent photocell" (see page 64).	65.1
TWSW	No	10-300 lux & inactive (adjustable)	-	Twilight switch Switches outdoor lights on at dusk and off at dawn. Ideal for all night security.	65.1
DUSW	No	10-1000 lux (adjustable). LED feedback to ensure correct settings.	2 to 16 hours (adjustable)	Dusk switch with Intelligent photocell Switches lights on at dusk and off after a chosen period. Patented "Intelligent photocell" (see below).	65.1

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

DANLERS Patented 'Intelligent' Photocell (TWSW INT and DUSW):

- Learns how much light is emitted by the artificial lights it is controlling
- Fine tunes the exact point at which load switches ON or OFF ensuring the desired lighting switching threshold is accurately maintained
- Maximises energy saving by reducing over illumination
- Eliminates risk of load 'cycling' on/off.

If the ambient light is above the preset threshold, the load is switched OFF. The Overlux timer (passing cloud timer) minimises unnecessary switching for brief, transient changes in ambient daylight.

