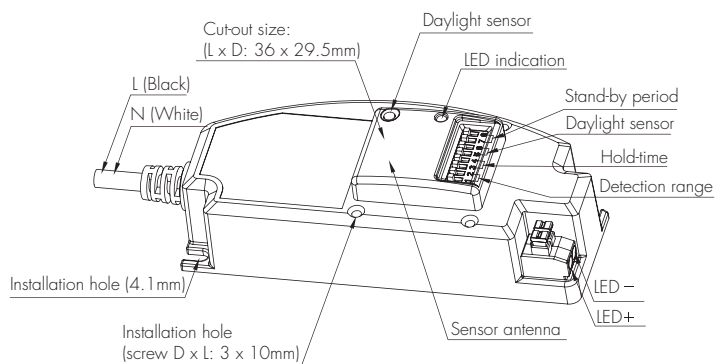
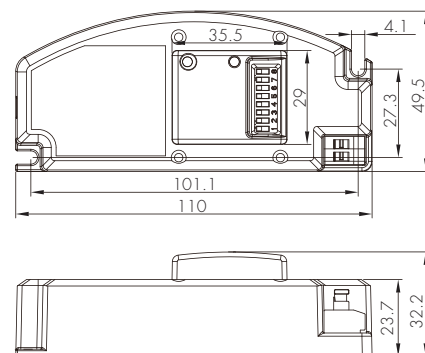


Integrated SensorDIM™ LED Driver Tri-level Control

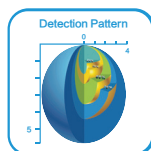
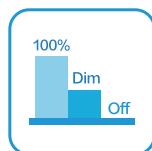
Model: HEC6428 / HEC6418



Model: HEC6428/ HEC6418



Mechanical structure (mm)

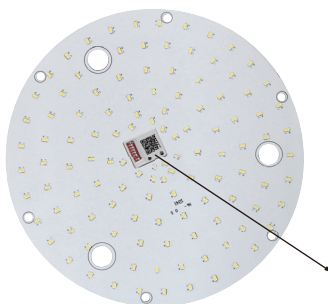


This is a smart integration of HF (microwave) motion sensor and LED driver. Sensor and driver 2 in 1, save space, save assembly work, hassle-free and cost effective!

Product Functions and Features

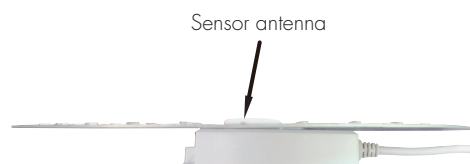
1 Tri-level control (corridor function)

Assembly



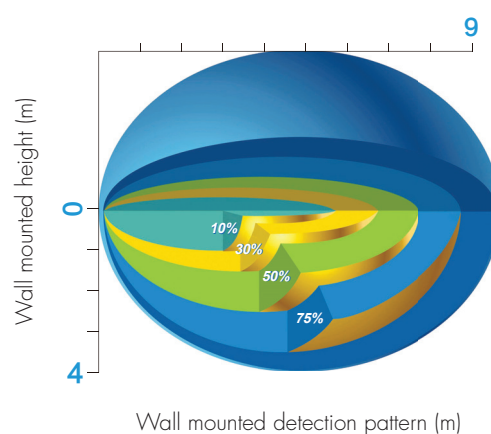
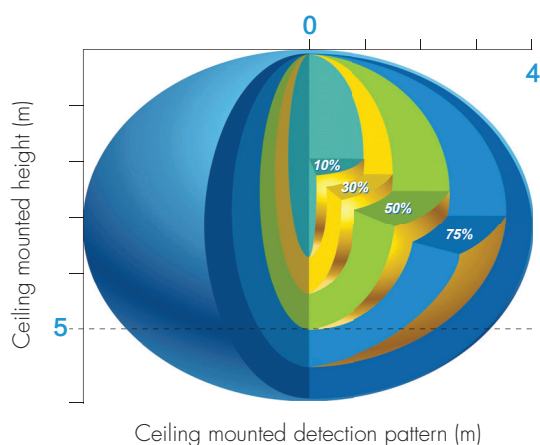
The sensor antenna features the rotary switch or DIP switches and protrudes the LED panel. This feature enables the end user to access the sensor settings without removing the junction box / LED board.

The QR code links the installer to the user manual on the on-line user guide to check the detail of settings (program).



Cut-out size: 36 x 29.5 (mm)

Detection Pattern



Settings

1 Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.

	1	
I	●	100 %
II	○	50 %



I – 100%
II – 50%

2 Hold-time

Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.

	2	3	
I	●	●	5s
II	●	○	30s
III	○	●	3min
IV	○	○	10min



I – 5s
II – 30s
III – 3min
IV – 10min

3 Daylight sensor

The daylight threshold can be set on DIP switches, to fit for particular application.

	4	5	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2 Lux



I – Disable
II – 50Lux
III – 10Lux
IV – 2Lux

4 Stand-by period (tri-level control)

This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

Note: "0s" means on/off control;
"+∞" means bi-level control, fixture never switches off.

	6	7	
I	●	●	0s
II	●	○	30s
III	○	●	10min
IV	○	○	+∞



I – 0s
II – 30s
III – 10min
IV – +∞

5 Stand-by dimming level

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

	8	
I	●	10%
II	○	30%



I – 10%
II – 30%

Note: all settings can be tailor-made according to customer request.

Technical Data	HEC6428	HEC6418
Operating voltage	120~277Vac 50/60Hz	120~277Vac 50/60Hz
Input current	0.26~0.14A	0.2~0.08A
Input power	32.5W (Max.)	20W (Max.)
Stand-by power	<0.5W	<0.5W
Warm time	20s	20s
Detection area	50% / 100%	50% / 100%
Hold-time	5s/30s/3min/10min	5s/30s/3min/10min
Daylight threshold	2lux/10Lux/50Lux/disable	2lux/10Lux/50Lux/disable
Stand-by period	0s/30s/10min/+∞	0s/30s/10min/+∞
Stand-by dimming level	10% / 30%	10% / 30%
HF (microwave) frequency	5.8GHz+/-75MHz	5.8GHz+/-75MHz
HF (microwave) power	<0.2mW	<0.2mW
Detection range	Max. (øxH): 8m x 5m	Max. (øxH): 8m x 5m
Detection angle	30°~150°	30°~150°
Mounting height	Max. 5m	Max. 5m
Output LED current	700mA	500mA
Output LED voltage	23~40Vdc@277V/ 23~36V@120V	23~36Vdc
Output LED power	16~28W@277V/ 16~25W@120V	11.5~18W (Max.)
Empty load voltage	56V	50V
Power factor	>0.9	>0.9
Efficiency	85% (Max.)	85% (Max.)
Operating temperature	-20°C ~ +50°C TC:75°C	-20°C ~ +50°C TC:75°C
Abnormal protection	Output short-circuit protection with auto-reset	Output short-circuit protection with auto-reset
EMC standard	Part 15B	Part 15B
Safety standard	UL8750	UL8750
Certification	cULus listed, FCC	cULus listed, FCC
Dielectric strength	Input→output:3750Vac /5mA/1min	Input→output:3750Vac /5mA/1min
Max. case temperature (Tc)	75°C	75°C
IP rating	IP20	IP20