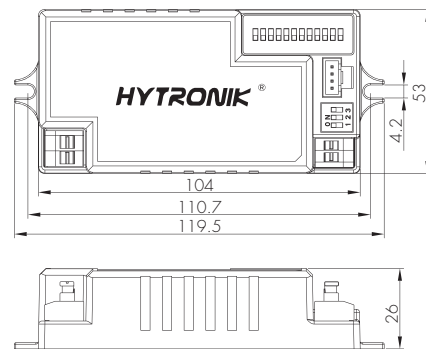
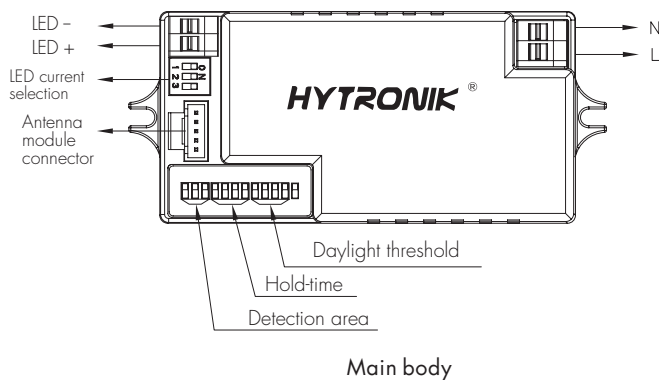
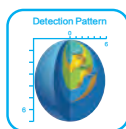
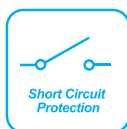
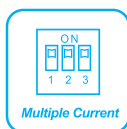
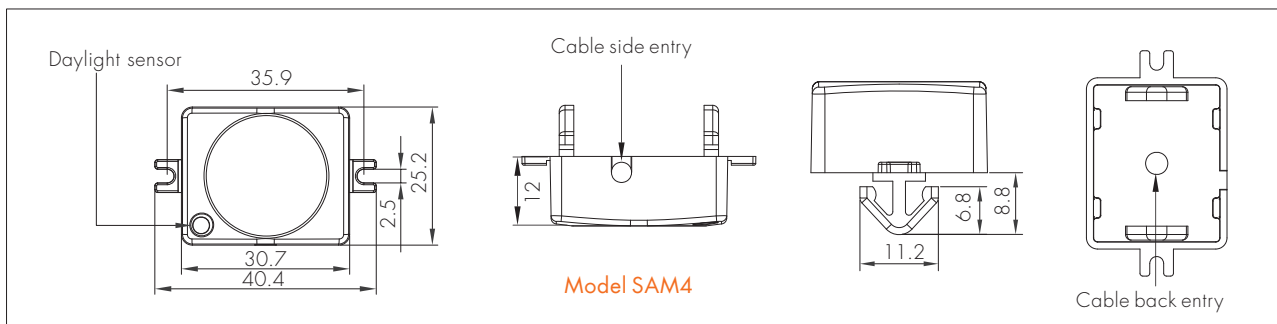


Integrated Motion Sensor LED Driver On/off Control

Model: HEC8025



Super-compact flat sensor antenna, with optional cable entry (side entry and back entry)



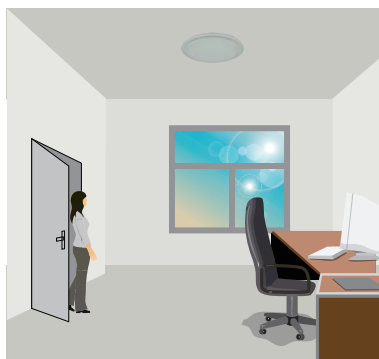
This is a smart integration of microwave motion sensor and LED driver with multiple current selections. Sensor and driver 2 in 1, save space, save assembly work, hassle-free and cost effective!

Thanks to the detached sensor antenna, it requires very little space on the LED panel, and gives pre-selected constant current to drive the LEDs to work based on movement detection. After the hold-time, it switches off the light automatically.

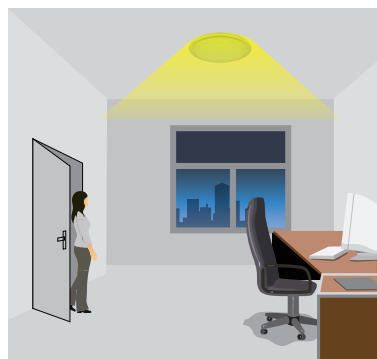
Functions and Options

1 On-off Control

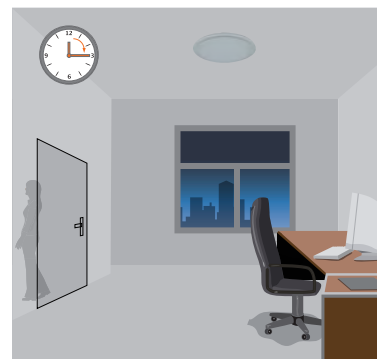
This is an integrated motion detection LED driver, it turns on the light on detection of movement, and turns off after a pre-selected hold-time when there is no motion detected. A daylight sensor is also built-in to prevent the light switching on when there is sufficient natural light.



With sufficient natural light, the light does not switch on when presence detected.



With insufficient natural light, it switches on the light automatically when person enters the room.



The sensor switches off the light automatically after the hold-time when there is no motion detected.

2 LED current selections



I	●	●	●	900mA
II	○	●	●	750mA
III	●	●	○	700mA
IV	○	●	○	550mA
V	●	○	○	500mA
VI	○	○	○	350mA
	1	2	3	Current



The current can be easily configured by choosing the correct combination of the DIP switches (see table on the left).

3 LED maximum load and voltage

This multiple current LED driver has a wide range of loading capacity:

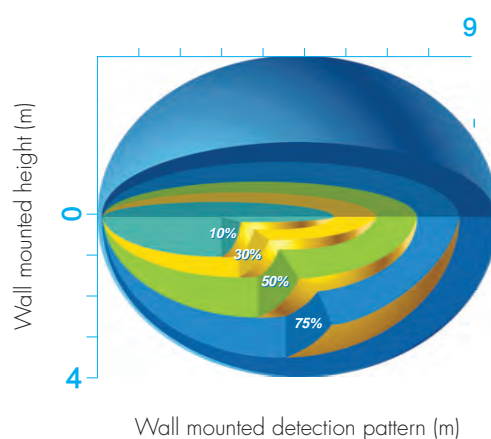
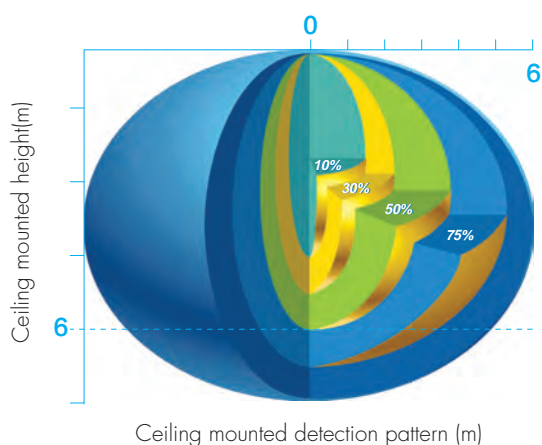
Maximum load @ different currents

3.5~15W (350mA)	5~21W (500mA)	5.5~22W (550mA)
7~25W (700mA)	7~25W (750mA)	9~25W (900mA)

Maximum voltage @ different currents

10~43V (350mA)	10~42V (500mA)	10~40V (550mA)
10~36V (700mA)	10~34V (750mA)	10~28V (900mA)

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.

Note: By choosing "Sensor OFF", it becomes an ordinary driver without sensor mode.

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	●	○	●	50%
IV	●	●	○	25%
V	○	○	○	Sensor OFF



- I – 100%
- II – 75%
- III – 50%
- IV – 25%
- V – Sensor OFF

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.

	1	2	3	4	
I	●	●	●	●	5s
II	○	●	●	●	30s
III	●	○	●	●	1min
IV	●	●	○	●	5min
V	●	●	●	○	15min
VI	○	○	○	○	30min



- I – 5s
- II – 30s
- III – 1min
- IV – 5min
- V – 15min
- VI – 30min

3 Daylight sensor

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

"Daylight" : The lamp works always, even during daylight.

"Twilight" : The lamp works only in twilight.

"Darkness" : The lamp works only in darkness.

	1	2	3	4	
I	●	●	●	●	2Lux
II	○	●	●	●	5Lux
III	●	○	●	●	10Lux
IV	●	●	○	●	30Lux
V	●	●	●	○	50Lux
VI	○	○	○	○	Disable



- I – 2 Lux
- II – 5 Lux
- III – 10 Lux
- IV – 30 Lux
- V – 50 Lux
- VI – Disabled

Technical Data

Operating voltage	220~240VAC		
Input current	140~150mA		
Input power	31W (Max.)		
Detection area	Sensor OFF/25/50/75/100%, can be customized		
Hold-time	5s/30s/1min/5min/15min/30min, can be customized		
Daylight threshold	2Lux/5Lux/10Lux/30Lux/50Lux /disable, can be customized		
Microwave frequency	5.8GHz+/-75MHz		
Microwave power	<0.2mw		
Detection range	Max. (øxH): 12m x 6m		
Detection angle	30°~150°		
Mounting height	Max.6m		
Output LED current	350mA/500mA/550mA/700mA/750mA/900mA		
Output LED voltage	10~43V (350mA)	10~42V (500mA)	10~40V (550mA)
	10~36V (700mA)	10~34V (750mA)	10~28V (900mA)
Output LED power	3.5~15W (350mA)	5~21W (500mA)	5.5~22W (550mA)
	7~25W (700mA)	7~25W (750mA)	9~25W (900mA)
Empty load voltage	55V		
Power factor	≥0.9		
Efficiency	86% (Max.)		
Operating temperature	-20°C ~ +50°C TC:85°C		
Abnormal protection	Output short-circuit protection with auto-reset		
EMC standard	EN55015 EN61547		
Safety standard	EN61347-1 EN61347-2-13		
Certification	Semko, CB, EMC, CE, R&TTE, SAA		
Dielectric strength	Input→output:3750VAC /5mA/1min		
IP rating	IP20		