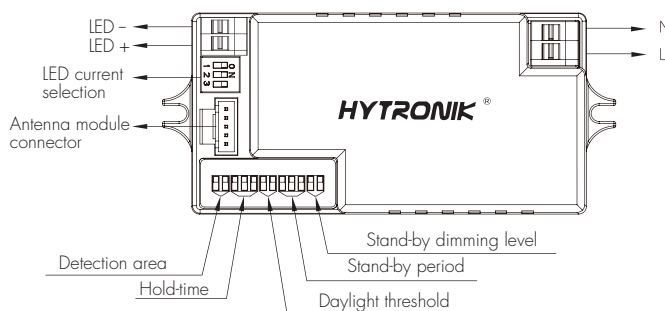
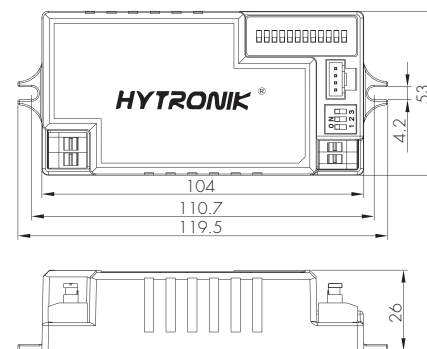


# Integrated SensorDIM™ LED Driver

Model: HEC9425

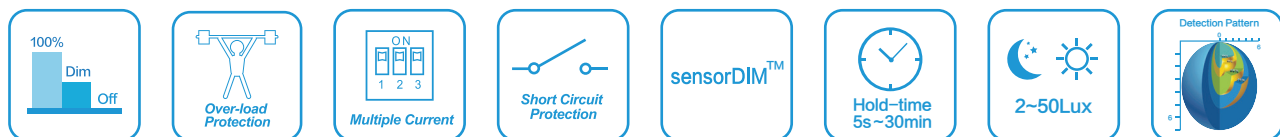
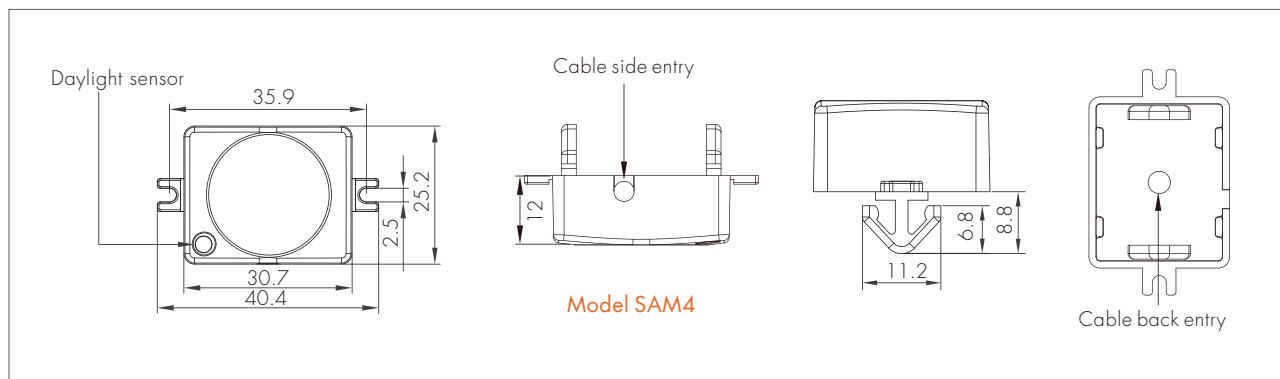


Model: HEC9425



Mechanical structure (mm)

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



This is a smart integration of HF (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 dims the light to pre-set dimming level, and eventually turns it off in long absence.

## Product Functions and Features

### 1 Tri-level control (corridor function)

### 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).

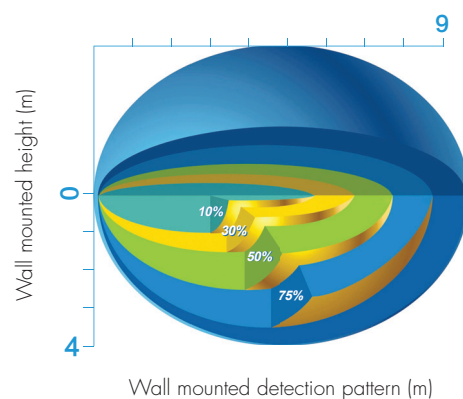
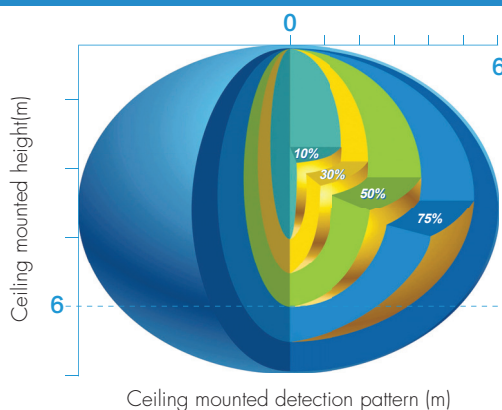
### 3 LED maximum load and voltage

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)	9~22W (900mA)

Maximum voltage @ different currents:	10~43V (350mA)	10~42V (500mA)	10~40V (550mA)
	10~36V (700mA)	10~34V (750mA)	10~24V (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	
I	●	●	100 %
II	●	○	50%
III	○	●	10%
IV	○	○	Sensor OFF



I – 100%  
II – 50%  
III – 10%  
IV – 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	
I	●	●	●	5s
II	●	●	○	30s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	20min
VII	○	○	○	30min



I – 5s  
II – 30s  
III – 1min  
IV – 5min  
V – 10min  
VI – 20min  
VII – 30min

### 3 Daylight sensor

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

	1	2	
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.

	1	2	3	
I	●	●	●	0s
II	●	●	○	10s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	30min
VII	○	○	●	1h
VIII	○	○	○	+∞



I – 0s  
II – 10s  
III – 1min  
IV – 5min  
V – 10min  
VI – 30min  
VII – 1h  
VIII – +∞

### 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.

	1	2	
I	●	●	10%
II	●	○	20%
III	○	●	30%
IV	○	○	50%



I – 10%  
II – 20%  
III – 30%  
IV – 50%

## Technical Data

Operating voltage	120~277Vac		
Input current	0.24~0.1A		
Input power	31W (Max.)		
Stand-by power	< 0.5W		
Warm time	20s		
Detection area	Sensor OFF/50/75/100%, can be customized		
Hold-time	5s/30s/1min/5min/10min/20min/30min, can be customized		
Daylight threshold	2lux/10Lux/50Lux /disable, can be customized		
Stand-by period	0s/10s/1min/5min/10min/30min/1H/+∞, can be customized		
Stand-by dimming level	10%/20%/30%/50%, can be customized		
HF (microwave) frequency	5.8GHz+/-75MHz		
HF (microwave) power	<0.2mW		
Detection range	Max. (∅xH): 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)	10~24V (900mA)
Output LED power	3.5~21W (350mA)	5~21W (500mA)	5.5~22W (550mA)
	7~25W (700mA)	5.5~25W (750mA)	9~22W (900mA)
Empty load voltage	75V		
Power factor	≥0.9		
Efficiency	85% (Max.)		
Operating temperature	-20°C ~ +50°C TC:75°C		
Abnormal protection	Output short-circuit protection with auto-reset		
EMC standard	Part 15B		
Safety standard	UL8750		
Certification	cULus listed, FCC		
Dielectric strength	Input→output:3750Vac /5mA/1min		
Max. case temperature (Tc)	75°C		
IP rating	IP20		