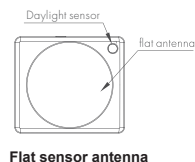
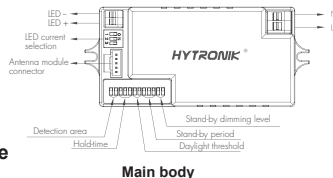


Instruction Manual for Integrated SensorDIM LED Driver Dimming Version Model No.:HEC9025

Technical Specifications

PRODUCT TYPE:	Integrated sensorDIM LED driver
OPERATING VOLTAGE:	220-240VAC 50Hz/60Hz
HF SYSTEM:	5.8GHz CW radar
TRANSMISSION POWER:	<0.2mW
DETECTION ANGLE:	30°~150°
DETECTION RANGE:	Max. 12 meters in diameter, adjustable
TIME SETTING:	5s ~ 30 min
LIGHT CONTROL:	2~50Lux, disable
STAND-BY PERIOD:	0s, 10s ~ 1h, + ∞
STAND-BY DIMMING LEVEL:	10% ~ 50%
MOUNTING:	Indoors, ceiling & walling mounted
INSTALLATION HEIGHT:	Max. 6m
WORKING TEMP.:	-20 ~ +50°C
IP RATING:	IP20



This is a smart integration of microwave motion sensor and multiple current selection LED driver.

With the help of 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.

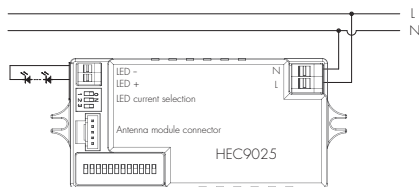
Note: the high-frequency output of this sensor is <0.2mW; approximately just 1‰ of the transmission power of a mobile telephone or the output of a microwave oven.

IMPORTANT

PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION AND RETAIN THIS LEAFLET IN A KNOWN AND SAFE PLACE FOR FUTURE REFERENCE.

SECTION 1 WIRING & INSTALLATION

1.1 Wiring diagram



SECTION 2 SETTINGS

Detection Area:

This determines the effective range of the motion detector and is set by DIP switches at the sensor itself, refer to figure.

Note that reducing the sensitivity will also narrow the detection range.

The following settings are available:

- I – 100%
- II – 75%
- III – 50%
- IV – Sensor off

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

Note: In "sensor off" setting, the HEC9025 can be used as a normal LED driver only, motion detection and all other sensor functions are completely deactivated.

Hold time:

This determines the time the fitting remains at 100% level on motion detection and is set with DIP switches at the sensor itself, refer to figure. The walk test setting is useful when installing the fitting to establish correct operation and range.

The following settings are available:

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

	1	2	3	
I	●	●	●	5s
II	●	●	○	30s
III	●	○	○	1min
IV	●	○	○	5min
V	○	●	○	10min
VI	○	●	○	20min
VII	○	○	○	30min

Daylight sensor:

This setting holds off the 100% light output should there sufficient daylight and is set using DIP switches at the sensor, refer to figure.

The following settings are available:

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

	1	2	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

Note: In disable mode the lamp(s) will always be on with motion detected and operate at 100% light output, even in bright daylight.

Stand-by period (corridor function)

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.

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

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

Note: "0s" means on/off control; "+∞" means 2 steps of dimming control, fixture never switch off.

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.

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

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

SECTION 3 FUNCTIONS

3.1 LED current selection

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



3.2 LED Max. load and voltage

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

Max. load @ different current--

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

Max. voltage @ different current--

10~43V(350mA)	10~42V(500mA)	10~40V(550mA)
10~36V(700mA)	10~34V(750mA)	10~24V(900mA)

SECTION 4 TROUBLE SHOOTING

MALFUNCTION CAUSE REMEDY	CAUSE	REMEDY
The load will not work	Incorrect light-control setting selected	Adjust setting
	Load faulty	Replace load
	Mains switch OFF	Switch ON
The load is always on	Continuous movement in the detection zone	Check zone setting
The load is on without any identifiable movement	The sensor is not mounted for reliably detecting movement	Securely mount enclosure
	Movement occurred, but not identified by the sensor (movement behind wall, movement of small object in immediate lamp vicinity etc.)	Check zone setting
The load will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection radius is too small	Check zone setting