1. Features

1. Built -in occupancy motion sensor for small movement detecting
2. Flicker- free for health lighting
3. Multi-output current from 700mA to 1050mA option.
4. Built-in SYNC port for wiring group networking
5. All sensor Parameters can be set by DIP switch
6. 5 years warranty

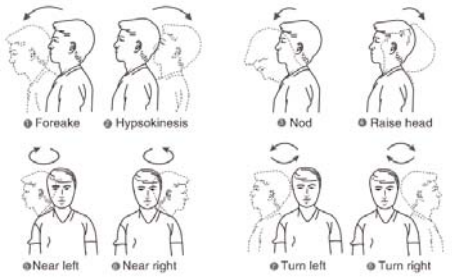
2. Parameter

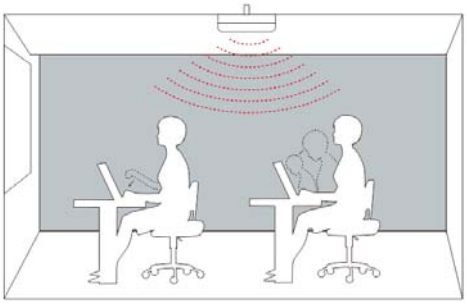
Input	Operating voltage range	198-264V AC 50Hz
	Rated voltage	220-240V AC 50Hz
	Input Current	260mA Max
	Input Inrush Current	6A (50% Ipeak, twidth =30uS, 230Vac full load, cold start);
	Total harmonic distortion	≤20% (@230Vac, 40W full load)
	Power Factor	≥0.9
	Stand-by Power	≤1W
	Working efficiency	≥88% (@230VAC full load)
	Surge test	L N: 1KV
Output	Operating mode	Constant current
	Load type	LED
	Type of Load	44W Max.
	Flicker requirements	■ Flicker free (Ripple requirement:<2%) □ Flicker
	No-load output voltage	<55V DC
	Load output current	700mA/750mA/800mA/850mA/900mA/950mA/1000mA/1050mA
	Load output voltage	30-42V DC
	Constant current/voltage accuracy	Constant current ±5%
Dim Interface	Micro-motion trigger synchronization control	SYNC+, SYNC+, SYNC-, SYNC-
Sensor Parameters	Operating frequency	5.8 GHz ±75 MHz, ISM wave band.
	Transmitting power	0.5mW Max.
	Hold Time	5S/5min/15min/+∞
	Stand-by dim Level	10% / 35%
	Stand-by Period	0S/10min/30min/+∞
	Detection Area	100% / 50%
	Daylight Sensor	50Lux/150Lux /300Lux /Disable
	Detecting radius	Full brightness: 0.5-2m The light turns off: 0.5-3m

		Half brightness after dimming: < 4m
	Mounting height	2.5-6m
	Detecting angle	360° (Ceiling mounted)
Abnormal Protection Requirements	Output overload protection	Yes, self-recovery
	Output idle load protection	Yes, self-recovery
	Output short circuit protection	Yes, self-recovery
Operating Environment	Operating temperature/humidity	-25℃…+45℃
	Storage temperature/humidity	85℃
	Case Max. Temp(Tc)	-40℃…+80℃ humidity: 85% (Non-condensing)
Certificate Standards	Withstand voltage	3750V AC 5mA 60S (Input“L N”– output“SEC+ SEC- ”)
	Safety standard	EN61347-1, EN61347-2-13
	EMC standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3
	Environmental protection requirements	Compliant to RoHS
	Certification	CE
Others	Input/output(terminal/wiring) type	0.75-1.5mm^2
	IP rating	IP20
	Protection class	Class II
	Installation type	Independent installation
	Installation dimension	L:110mm*W:92mm*H:40.5mm
	Package	Bubble bags+ Clapboard +Outer Carton (K=A)
	Net weight	234g
	Lifespan	5 years warranty @Ta 230V full load
Note: 1. “N/A” means not available. 2. Detection area is affected on volume of motion object and motion speed. The detection area is tested by a 165cm height person and walking speed is 0.5m/s.		

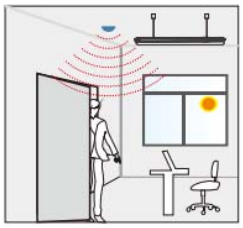
2. Function

People's normal working life in the body gentle motion sensing, in non-sleep conditions to achieve approximate human presence detection.

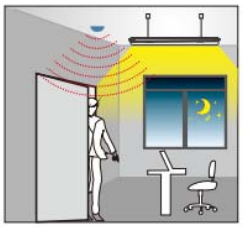




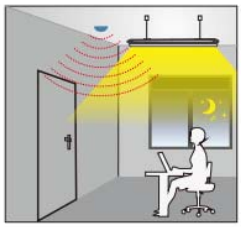
1) On/OFF function (Stand-by period set at '0S')



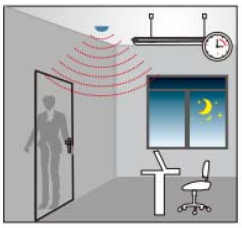
❶ When the ambient light is sufficient, the light will not turn on even if the moving signal is detected.



❷ When the ambient light is insufficient, a moving signal is detected and the light will turn on automatically.

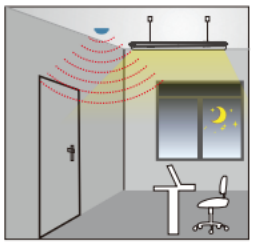


❸ The body, head and other small movements in normal work can be detected, and the light is always on.

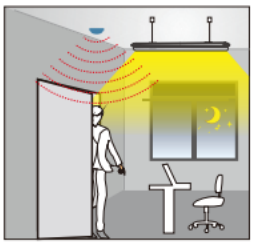


❹ When the sensor fails to detect movement and inching signal, the light will automatically turn off after the delay time.

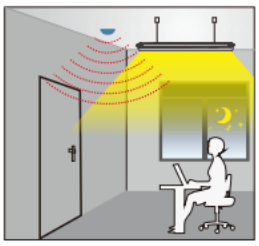
2) 2-step dimming function (Stand-by period set at'+∞')



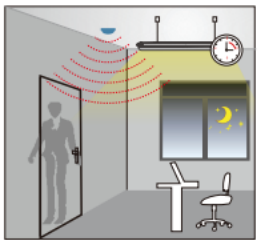
❶ When the sensor does not detect the movement signal, the light remains low bright.



❷ When the moving signal is detected, the light will turn on automatically.

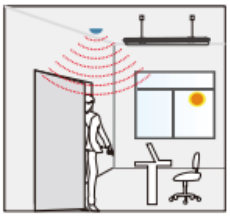


❸ The body, head and other small movements in normal work can be detected, and the light is always on.

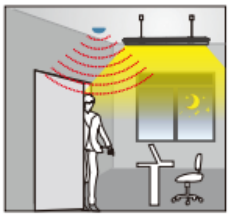


❹ When the sensor does not detect movement and inching signal, the light will automatically turn on low after the delay time.

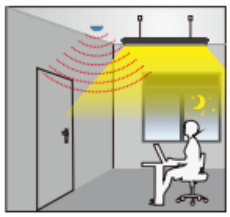
3)3-step dimming function (Stand-by period set at '10min/30min')



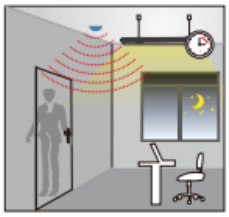
❶ When the ambient light is sufficient, the light will not turn on even if the moving signal is detected.



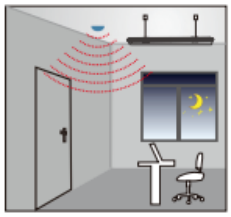
❷ When the ambient light is insufficient, a moving signal is detected and the light will turn on automatically.



❸ The body, head and other small movements in normal work can be detected, and the light is always on.

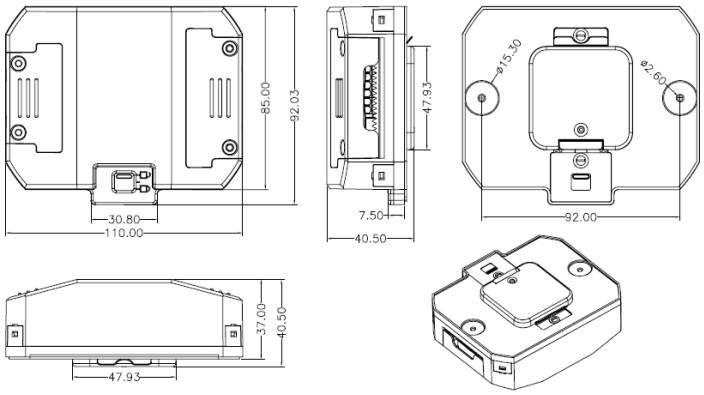


❹ When the sensor does not detect movement and inching signal, the light will automatically turn on low after the delay time.

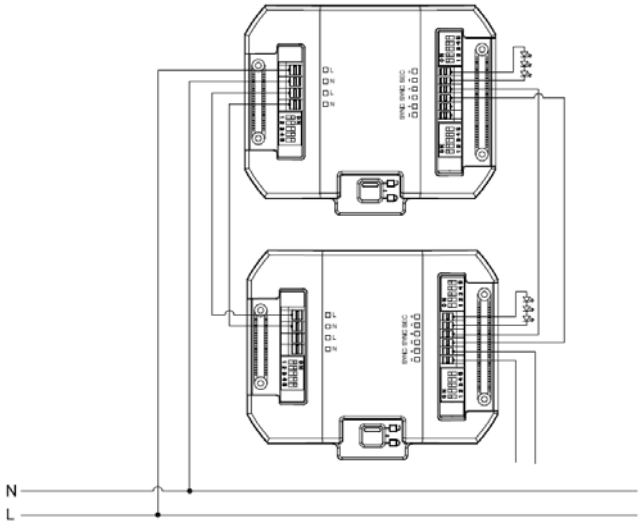


❺ After the waiting time, there is still no moving signal detected, and the light will automatically turn off.

4. Dimension (mm)

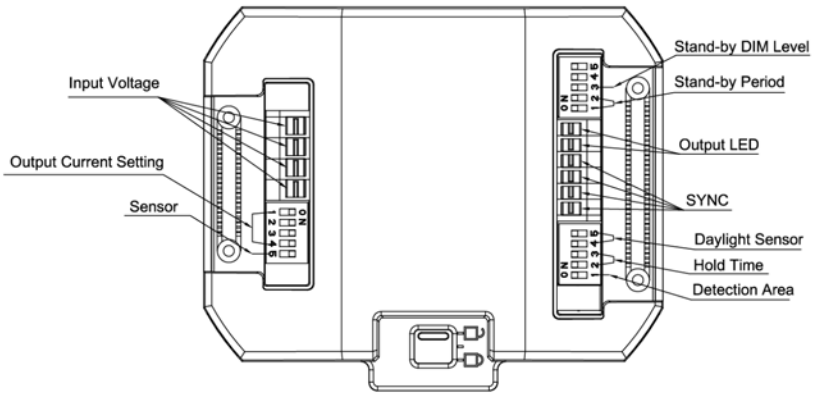


5. Wiring



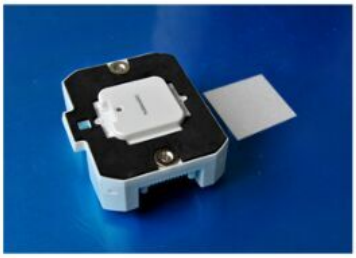
*The sensor is designed for connect one load only. Connect more than one loads may damage the sensor.

6. Structure

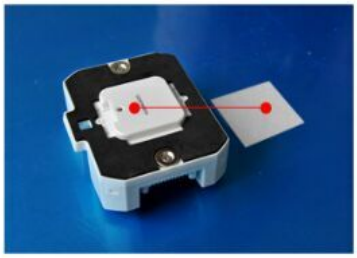


7. Installation

1) The magnet installation



① Preparation: sensor ,panel light with hole.



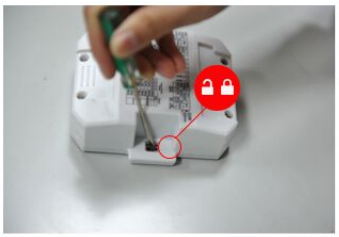
② Put the sensor in center of the hole ,and make sure the magnet attach to the cover firmly .

③ The product is installed.

2) The lock installation

① As shown,inserting the product into the panel light opening.

② The product has been correctly inserted into the panel lamp.



③ Use a screwdriver to pull the shrapnel into the lock position.

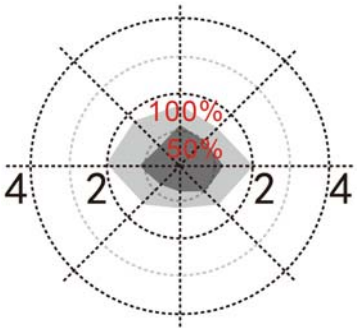
④ Installation is completed when the product is locked.

7. Radiation Pattern

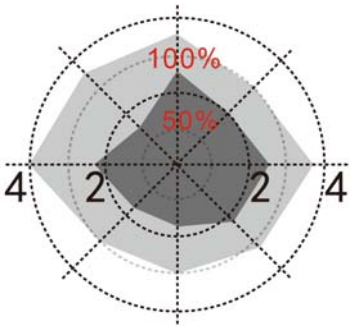
Ceiling mounting

Ceiling mounted height: 3m

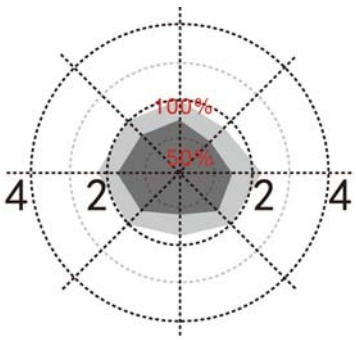
Sensitivity:100%/50%



Normal moving (Speed:1m/s)



Slow moving (Speed: 0.3m/s)



Slight moving

8. DIP Switch Setting

- Detection Area (Sensitivity)

	1	
Ⅰ	ON	100%
Ⅱ	-	50%

- Hold Time

	2	3	
Ⅰ	ON	ON	5S
Ⅱ	ON	-	5min
Ⅲ	-	ON	15min
Ⅳ	-	-	+∞

- Daylight Sensor

	4	5	
Ⅰ	ON	ON	50Lux
Ⅱ	ON	-	150Lux
Ⅲ	-	ON	300Lux
Ⅳ	-	-	Disable*

*Disable means the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level.

- Stand-by Period

	1	2	
Ⅰ	ON	ON	0S
Ⅱ	ON	-	10min
Ⅲ	-	ON	30min
Ⅳ	-	-	+∞

- Stand-by DIM Level

	3	
I	ON	10%
II	-	35%

- Output Current Setting

1	2	3	4	
ON	ON	ON	ON	1050mA
ON	ON	ON	-	1000mA
-	ON	ON	-	950mA
ON	-	ON	-	900mA
-	-	ON	-	850mA
-	ON	-	-	800mA
ON	-	-	-	750mA
-	-	-	-	700mA

- Sensor

	5	
I	ON	Disable*
II	-	Active*

*When set as "Active " ,The lamp will work with sensor function.

*When set as "disable", the lamp will work as normal lamp without sensor function to keeps bright on all time.

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9. Initialization

1) ON/OFF function /3-step dimming function:

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it turns off the light. During

the initialization, the sensor is not able to detect movement.

2) 2-step dimming function:

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it dims the light to a low light level (set by stand-by dim level). During the initialization, the sensor is not able to detect movement.

10. Factory Setting

Detection Area: 100%, Hold Time: 5S, Daylight Sensor: Disable, Stand-by Period: 0S, Stand-by DIM Level: 10%; Output Current Setting : 1050mA; Sensor: Active

11. Application Notice

1) The sensor should be installed by a professional electrician. Please turn off the power before installing, wiring, changing the setting of the DIP switch.
2) The sensor which installed in the plastic and glass lampshade will reduce the sensitivity.For every 3mm increase in thickness, the sensitivity will be reduced by 20%.
3) The light sensitivity threshold is in a sunny environment, no shadow and ambient light diffuse reflection..Ambient lux level could be different in different environment, weather, climate, time-of-day and season.
4) This sensor is for indoor use only. It will affect the waterproof effect for outdoor use. Wind, rain, and moving objects around will cause false triggering.
5) Do not place the sensor close to high-density objects such as metal, glass,concrete walls, etc, false triggering could happen. When the sensor is installed in a metal lamp, metal reflective surface, or a narrow enclosed environment, the microwave will be reflected repeatedly and cause false triggering. Please reduce the sensitivity or contact the manufacturer for technical support.
6) Please ensure that there are no moving signals around the sensor, such as fan,DC motor, sewer pipe, air outlet, etc., the sensor may generate false trigger.