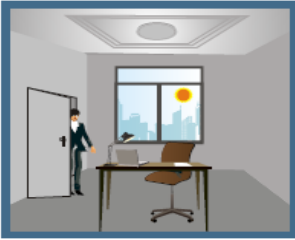
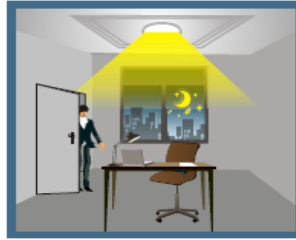


3-step dimming function

When used in combination with 1-10V dimmable LED drivers and ballasts, the sensors can achieve 3-step dimming function, 100%---> low light--->off. And the sensors build in adjustable daylight sensors, very easy to install and cost-effective.



With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



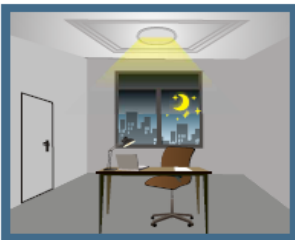
After hold time, the sensor dims the lamp at a low light level if no new motion trigger.



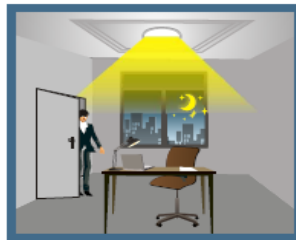
After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

2-step dimming function

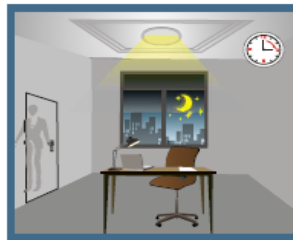
Also, the sensors can provide 2-step dimming function, 100 %---> low light (Never turn off). They are particularly suitable for use in corridors, stairwells and underground passages where low light levels are maintained until motion is detected.



No motion detected, the lamp remains at a low light level all the time.

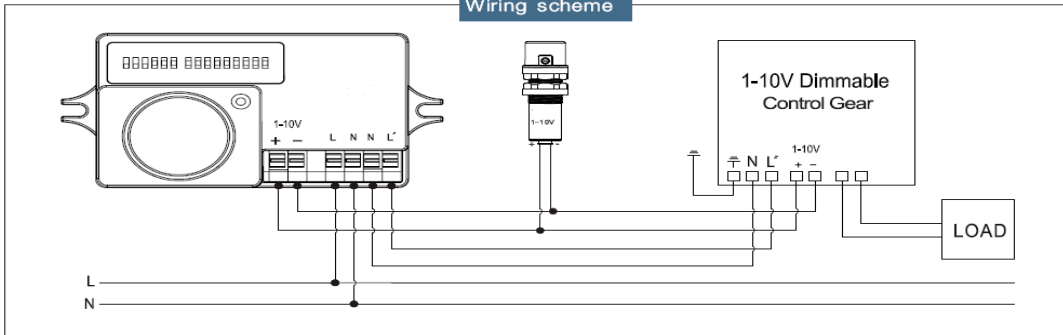


When motion is detected, the sensor brightens the lamp to 100% illumination.

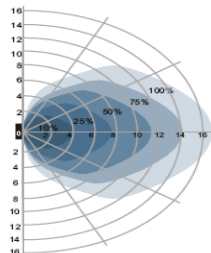


After the hold time, the sensor dims the lamp at the preset low light level if no motion is detected.

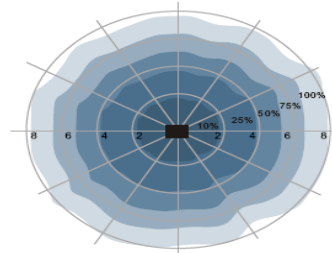
Wiring scheme



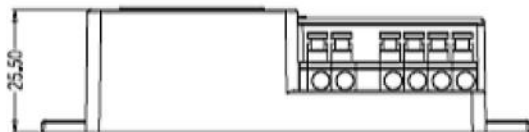
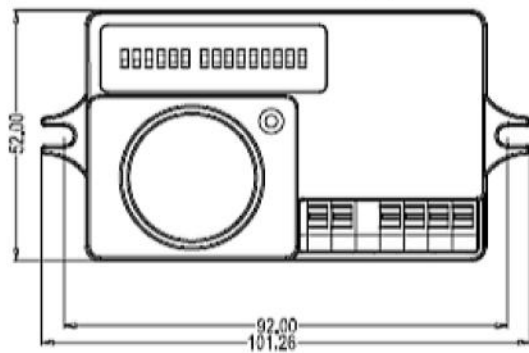
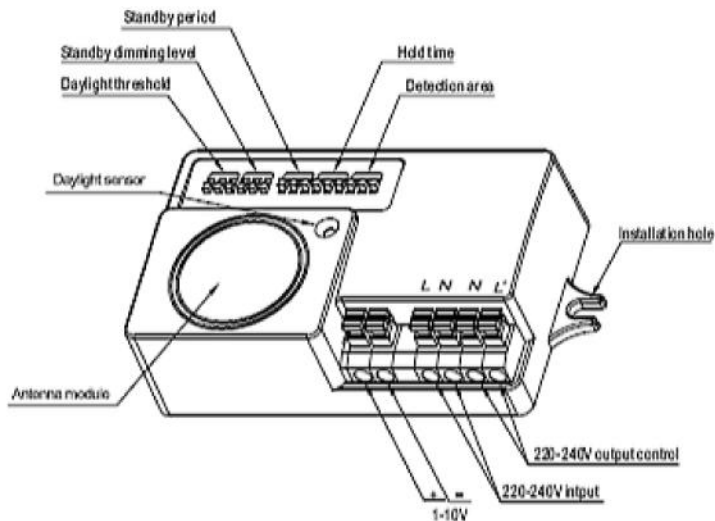
Detection Pattern



Wall mounting pattern (Unit: m)
Suggested installation height: 1-1.8m



Ceiling mounting pattern (Unit: m)
Suggested installation height: 2.5-8m



Operating voltage	220~240Vac, 50Hz/60Hz
Rated load	800W(inductive), 1200W(resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(standby), <1W(operation)
Detection zone	Max.(D x H): 16m x 8m (MC003V) Max.(D x H): 16m x 12m (MC003V R)
Detection sensitivity	10% / 25% / 50% / 75% / 100%
Hold time	10s / 30s / 90s / 3min / 20min / 30min
Daylight sensor	5lux / 10lux / 30lux / 50lux / Disable
Stand-by period	5s / 5min / 10min / 30min / 1h / Disable
Stand-by dimming level	10% / 20% / 30% / 40% / 50%
Mounting height	8m Max. (MC003V), 12m Max. (MC003V R)
Motion detection	0.5~3m/s
Detection angle	150°(wall installation), 360°(ceiling installation)
Operating temperature	-35℃ ~ 70℃
IP rating	IP20

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

ON		1	2	3	
●	I	●	●	●	100%
▬	II	○	●	●	75%
▬	III	●	○	●	50%
○	IV	○	○	●	25%
OFF	V	○	○	○	10%

Detection area

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

ON		1	2	3	
●	I	●	●	●	10s
▬	II	○	●	●	30s
▬	III	●	○	●	90s
○	IV	○	○	●	3min
○	V	●	●	○	20min
OFF	VI	○	○	○	30min

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

ON		1	2	3	
●	I	●	●	●	Disable
▬	II	○	●	●	1h
▬	III	●	○	●	30min
○	IV	○	○	●	10min
○	V	●	●	○	5min
OFF	VI	○	○	○	5s

Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to Disable mode, the low light is maintained until motion is detected.

ON		1	2	3	
●	I	●	●	●	50%
▬	II	○	●	●	40%
▬	III	●	○	●	30%
○	IV	●	●	○	20%
OFF	V	○	○	○	10%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

ON		1	2	3	
●	I	●	●	●	Disable
▬	II	●	●	○	50lux
▬	III	○	●	○	30lux
○	IV	●	○	○	10lux
OFF	V	○	○	○	5lux

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

50lux, 30lux: twilight operation, 10lux, 5lux: darkness operation only.

Note that daylight sensor is active only when lamp totally switches off.