

MC042P

Night/light Function Motion Sensor for COB Flood Light



Introduction

- With 5.8G Hz microwave technology, stable detection performance and long life time.
- Strong anti-interference capacity for raindrop and breeze, suitable for outdoor use.
- Water proof sensor with IP65 rating.
- Long detection area up to 10m with wall mounting.
- Compact housing design, can be applicable to super thin flood light.
- Automatic switching and dimming based on motion and light level.
- With night /light function, automatically switch on at dusk and turn off at dawn
- Zero-crossing point operation helps protect the sensor against in-rush current.
- Detection area, hold time can be set via DIP switches easily.

MC042P is an innovative and active motion detector with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials.

The sensor supplies a simple energy-saving solution to use light only when and where you need it. It automatically switch on/off and dim light based on motion , can be applicable to super thin flood light.

Night-light sensor function will be triggered when dimming level reach to 10%,when ambient brightless is over preset close lux level,sensor will switch off lamp,if less than preset open lux level,lamp will be switched on automatically.

Because of high quality microwave motion sensor and programming, the product show high anti-interference capability on breeze and light rain.



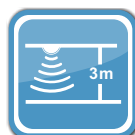
Max.5M



Zero-crossing
point operation



Hold Time
5s~3min



Mounting Height
3m Max.



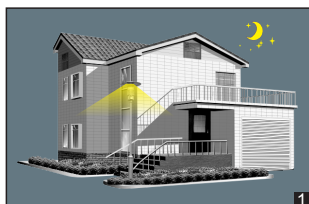
Outdoor User



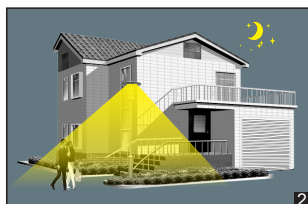
5 Years
Guarantee

Night/light function

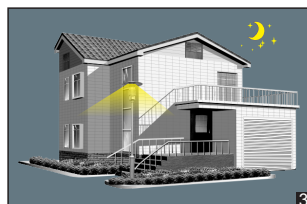
Due to night/light function, MC042P can automatically turns on light at a low level at dusk and turns off after the dawn.



Lamp turns on at low light level 10% in the night.



Motion detected, lamp automatically lights up to 100%.

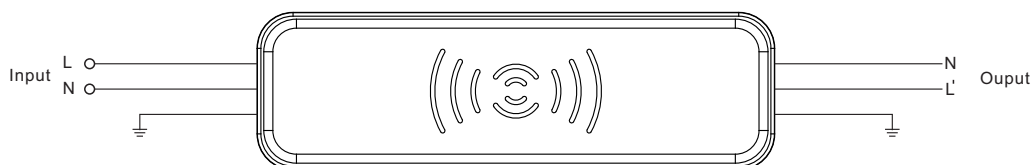


After hold time, the lamp gradually dims to a low light level 10% if no movement detected.

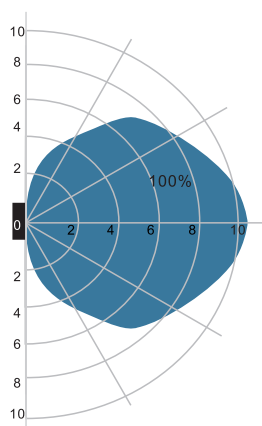


Lamp turns off after dawn.

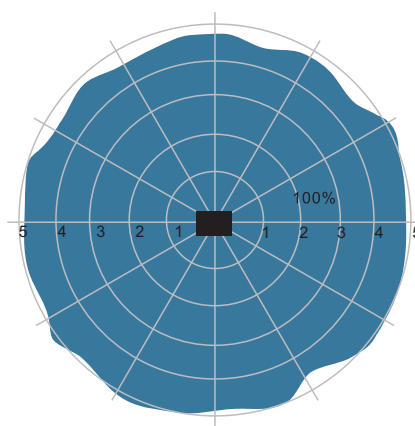
Wiring scheme



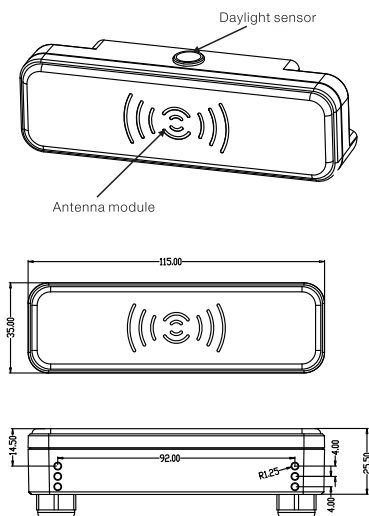
Detection Pattern



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



Ceiling mounting pattern (Unit: m)
Suggested installation height: 3m



MC042P

Operating voltage	220~240Vac, 50Hz
Rated load	100W Max.
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤1.0W(standby)
Detection zone	Max.(D x H): 10m x 3m
Detection sensitivity	100%
Hold time	5s / 60s / 3min / 5min
Night/light function (open/close)	25lux/50lux, 50lux/100lux, disable
Dimming level	15% or 30%, fixed by factory
Mounting height	3m Max.
Motion detection	0.5~3m/s
Detection angle	120°(wall installation) 360°(ceiling installation)
Operating temperature	-35℃ ~50℃
IP rating	IP65

Setting

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

	1	2	
ON	I	ON	5s
	II	—	60s
OFF	III	ON	3min
	IV	—	5min

Hold time

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

	2	3	open	close
ON	I	ON	Disable	Disable
	II	—	25Lux	50Lux
OFF	III	ON	50Lux	100Lux

Night light sensor function*

When ambient brightness is over close lux level, load will be switched off automatically even if motion detected; When ambient brightness is below open lux level, load will be switched on even if no motion detected.

Disable means night/light function is failed, light will always switch on at low light level and lights up to 100% when motioned detected.