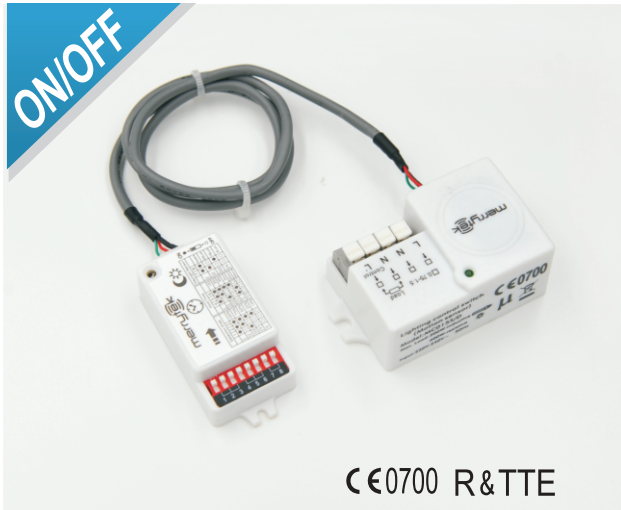


MC015S/D
ON-OFF Function / Detachable Version

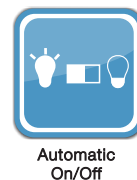
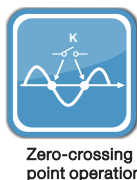


Introduction

- Unique split design makes it is suitable to fix within lamps which have limited space.
- Zero-crossing point operation helps protect the sensor against in-rush current.
- Using pluggable design between motion detector and power part, easy to reinstall or maintain.
- Automatic switching based on motion and light level.
- 4-pole press-in terminal (L, N, N, L'), easy assembly.
- Detection area, time delay and daylight threshold can be precisely set via DIP switch.

MC015S/D is an innovative and active motion detector with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials.

This sensor is particularly designed for the lights which have limited space, for examples, 2D lamps, LED panel lights and grid lamps. The mini motion detector is separated from power part of sensor. It will be easier to fix motion detector on the surface of panel and hidden the power part behind the panel. As the height of detector is only 16mm Max., there is no shadow when lamps light.



ON -OFF Function

Motion sensor MC015S/D + LED driver or ballast (Any brand)

MC015S/D is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected. As built-in daylight sensor can read brightness value, the sensor does not switch on the light if with sufficient natural light.



With sufficient light, the lamp doesn't switch on.

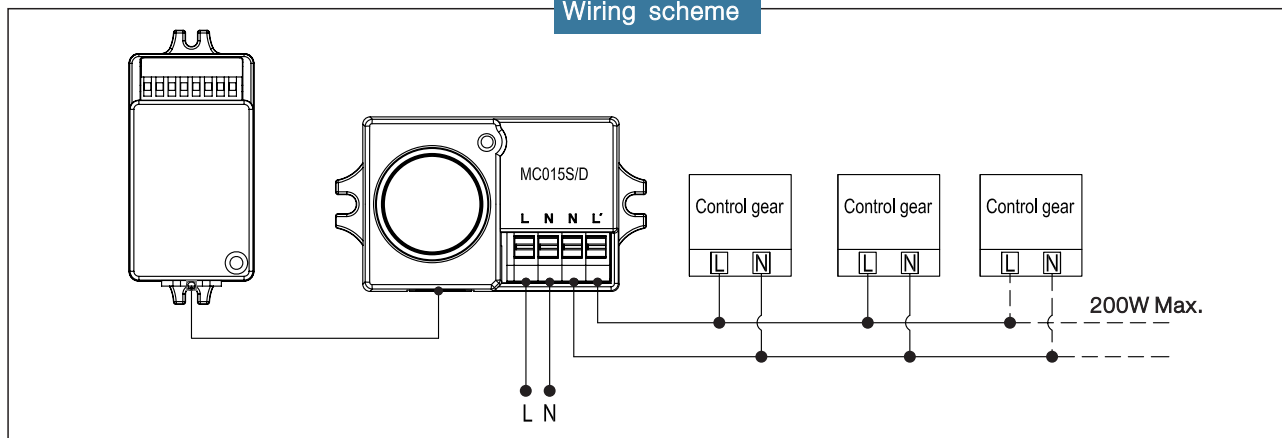


With insufficient ambient light, the sensor switches on the lamp when motion is detected.

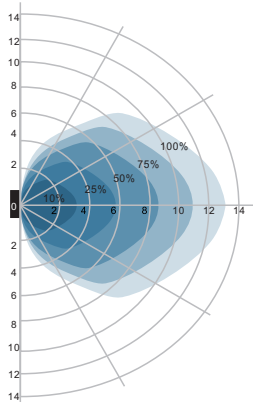


After hold time, the sensor switches off the lamp when no motion is detected.

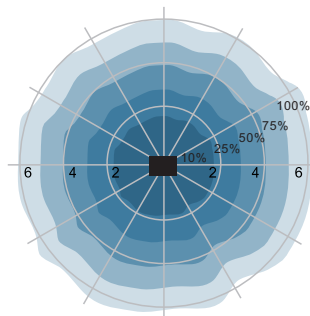
Wiring scheme



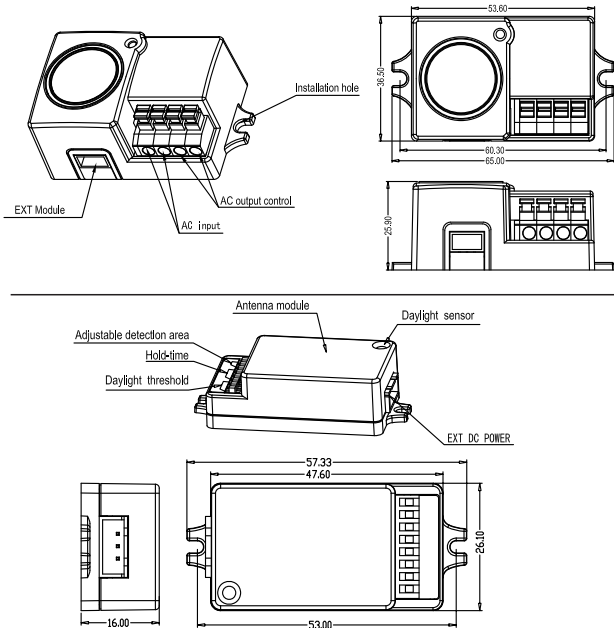
Detection Pattern



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



Ceiling mounting pattern (Unit: m)
Suggested installation height: 2.5-6m



MC015S/D

Operating voltage	220~240Vac, 50Hz
Rated load	200W(inductive), 400W (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): 12m x 6m
Detection sensitivity	10% / 25% / 50% / 75% / 100%
Hold time	10s / 30s / 90s / 3min / 20min / 30min
Daylight sensor	5lux / 15lux / 50lux / Disable
Mounting height	6m Max.
Motion detection	0.5~3m/s
Detection angle	150°(wall installation) 360°(ceiling installation)
Operating temperature	-20℃ ~50℃
IP rating	IP20

Setting

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%	
V	○	○	○	10%	
OFF					

Detection area

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

ON		4	5	6	
I	●	●	●	10s	
II	○	●	●	30s	
III	●	○	●	90s	
IV	○	○	●	3min	
V	●	●	○	20min	
VI	○	○	○	30min	
OFF					

Hold time

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

ON		7	8	
I	●	●	Disable	
II	●	○	50lux	
III	○	●	15lux	
IV	○	○	5lux	
OFF				

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: twilight operation, 15lux, 5lux: darkness operation only.