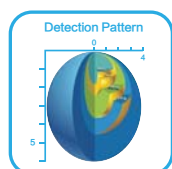
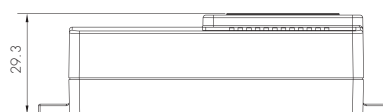
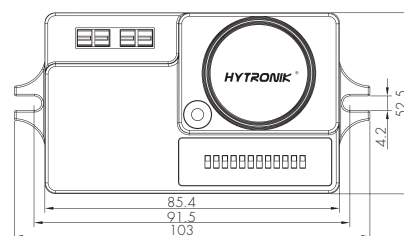
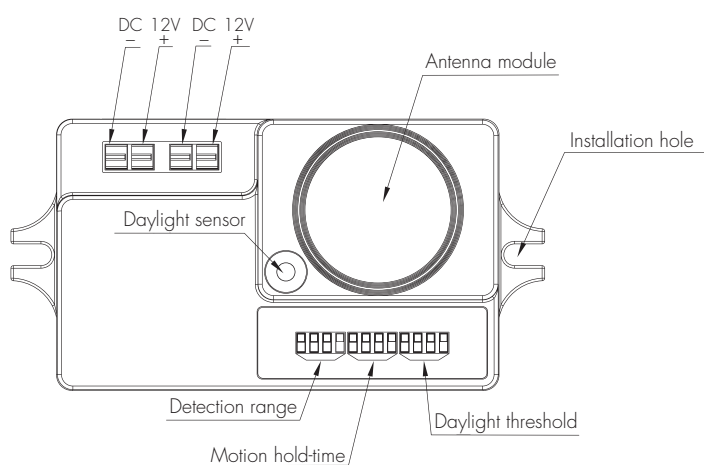


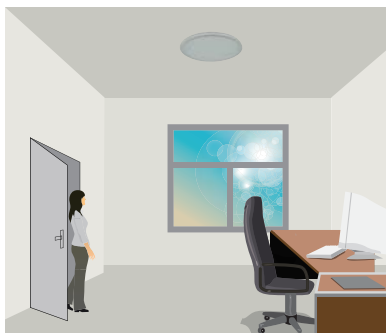
DC Operation Version On/off Control

Model: HC501S (12V~48V)

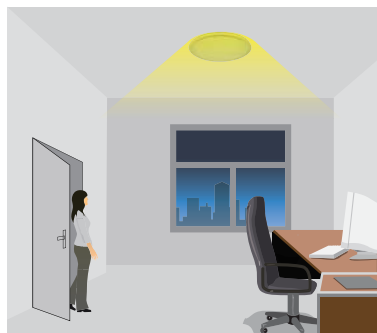


On-off Control

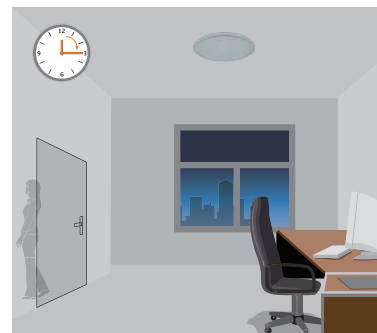
This sensor is a motion switch, which turns on the light on detection of people movement, and turns off after a pre-selected hold-time when there is no people around. A daylight sensor is also built-in to prevent the light switching on when there is sufficient natural light.



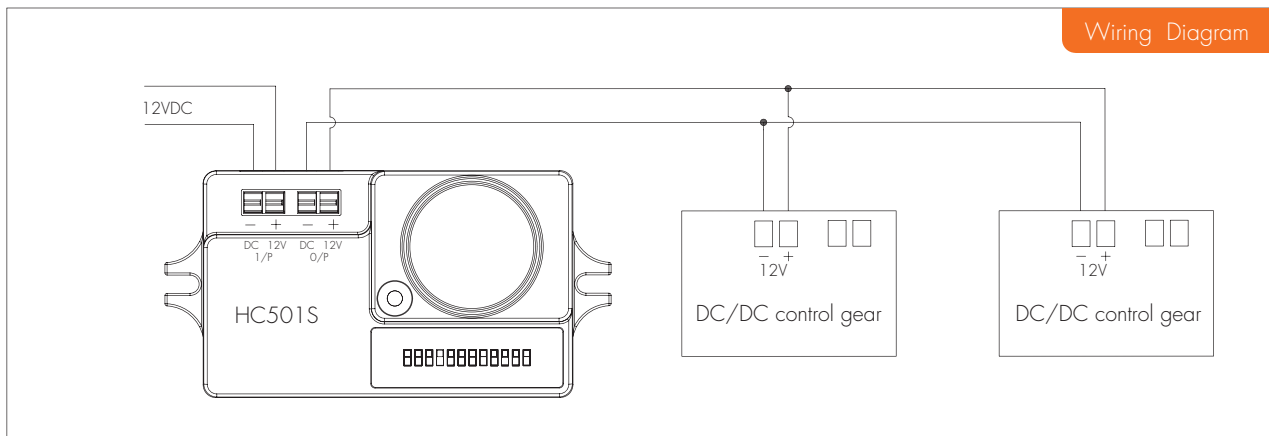
With sufficient natural light, the light does not switch on when presence detected.



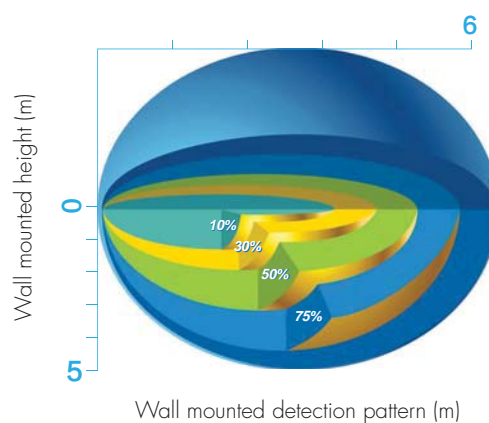
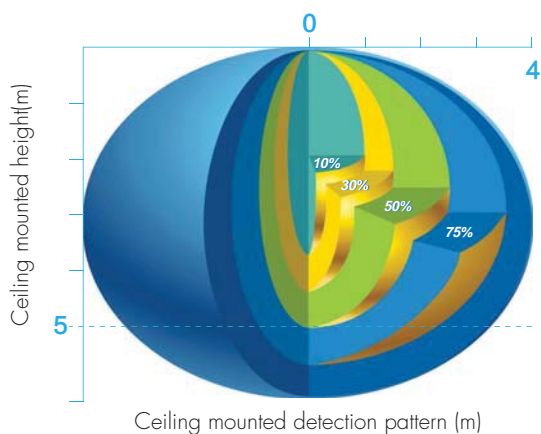
With insufficient natural light, the sensor switches on the light automatically when person enters the room.



The sensor switches off the light automatically after the hold-time when there is no motion detected.



Detection Pattern



Settings

1 Detection area

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

	1	2	3	4	
I	●	●	●	●	100%
II	●	○	●	●	75%
III	●	●	○	●	50%
IV	●	●	●	○	25%
V	○	○	○	○	10%



- I – 100%
- II – 75%
- III – 50%
- IV – 25%
- V – 10%

2 Hold-time

Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detected area.

	1	2	3	4	
I	●	●	●	●	5s
II	○	●	●	●	30s
III	●	○	●	●	1 min
IV	●	●	○	●	5 min
V	●	●	●	○	10 min
VI	○	○	○	○	30 min



- I – 5s
- II – 30s
- III – 1 min
- IV – 5 min
- V – 10 min
- VI – 30 min

3 Daylight sensor

The daylight threshold can be set on DIP switches, to fit for particular application.

- "Daylight" : The lamp works always, even during daylight.
- "Twilight" : The lamp works only in twilight and in darkness.
- "Darkness" : The lamp works only in darkness.

	1	2	3	4	
I	●	●	●	●	Disable
II	○	●	●	●	50Lux
III	●	○	●	●	30Lux
IV	●	●	○	●	10Lux
V	●	●	●	○	5Lux
VI	○	○	○	○	2Lux



- I – Disable
- II – 50 Lux
- III – 30 Lux
- IV – 10 Lux
- V – 5 Lux
- VI – 2 Lux

Technical Data

Operating voltage	12V~48V DC
Switched power	Max. 6A
Stand-by power	0.5W (stand-by)
Detection area	10/25/50/75/100%, can be customized
Hold-time	5s/30s/1min /5min/10min/30min, can be customized
Daylight threshold	2~50Lux, disable, can be customized
Sensor principle	Microwave motion detector
Microwave frequency	5.8 GHz+/-75MHz
Microwave power	<0.2mW
Detection range	Max.(Ø x H): 12mX6m
Detection angle	30~150°
Mounting height	Max.6m
Operating temperature	-35°C ~ +70°C
IP rating	IP20 IP65 (mounted in Hytronik special box)
Certificate	NIL, EMC, CE, R&TTE, SAA