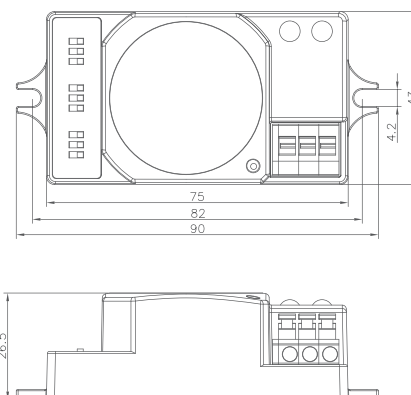
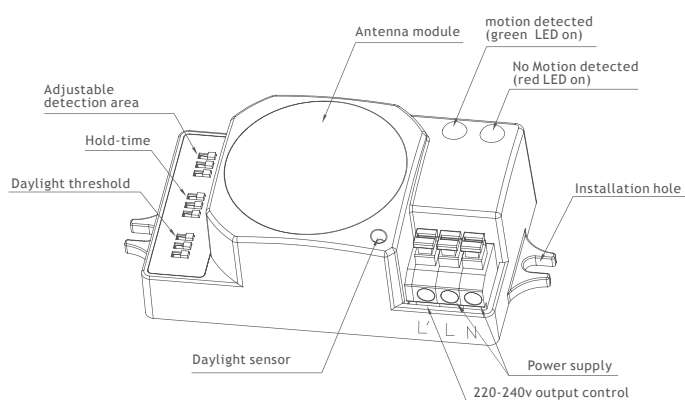


Economy version

Model: HC008S
HC008/M



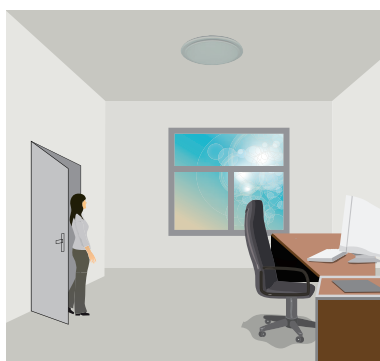
Model: HC008S
HC008S/M

Mechanical structure

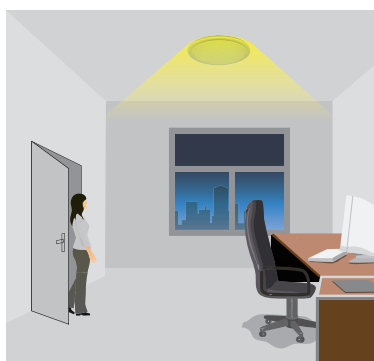
Function and options

1 On-off Function

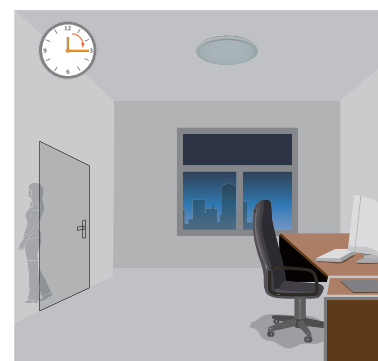
This sensor is a motion switch, turn on the light on detection of people movement, and turn off after a pre-selected holdtime when there is no people around. A daylight sensor is also built-in to switch off the light when there is sufficient natural light.



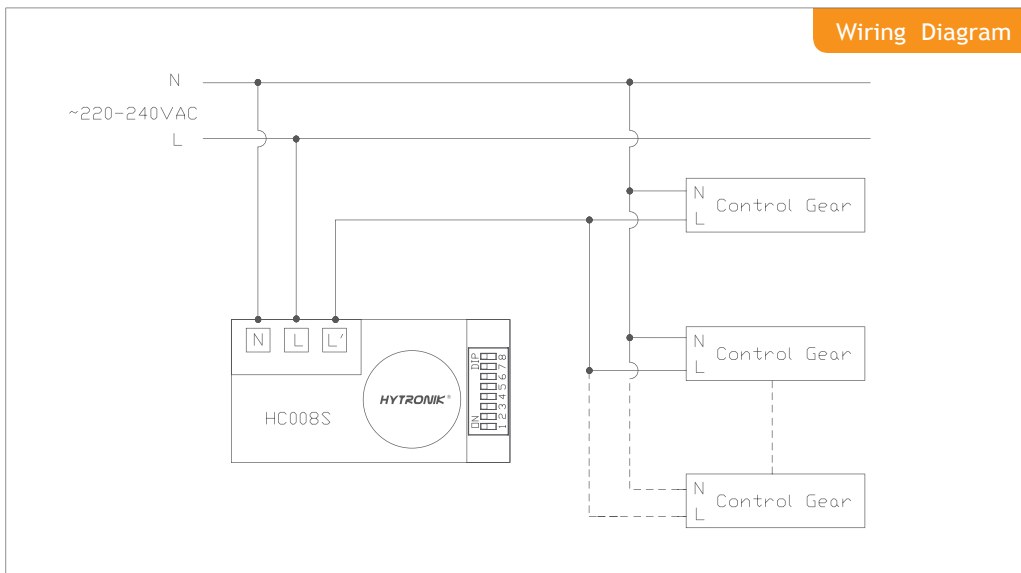
With sufficient natural light, the light does not switch on when presence detected



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

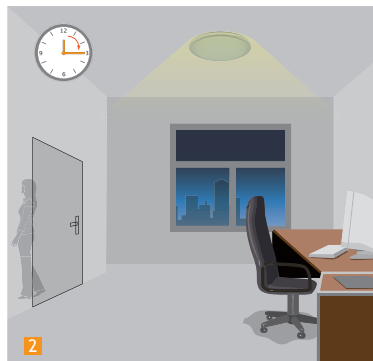
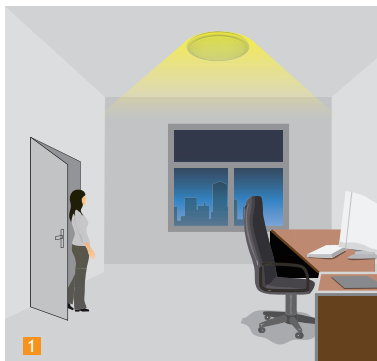


After the hold time, then switch off automatically when no movement is detected.



2 Step Dimming Function

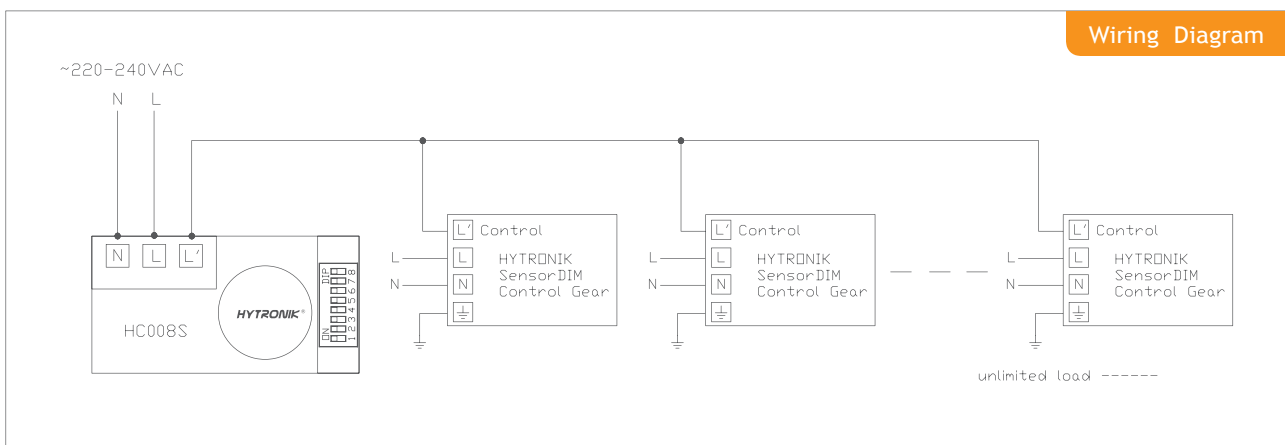
With the combination of Hytronik sensorDIM control gears, it offers the 2 levels of light: 100% on detection of people movement, and dimmed (pre-selected 10%, 20%, 30%, 40%, 50%) in the absence of people. Ideally for the areas like hotel corridor, hospital or garage, where always need some brightness for comfort and safety.



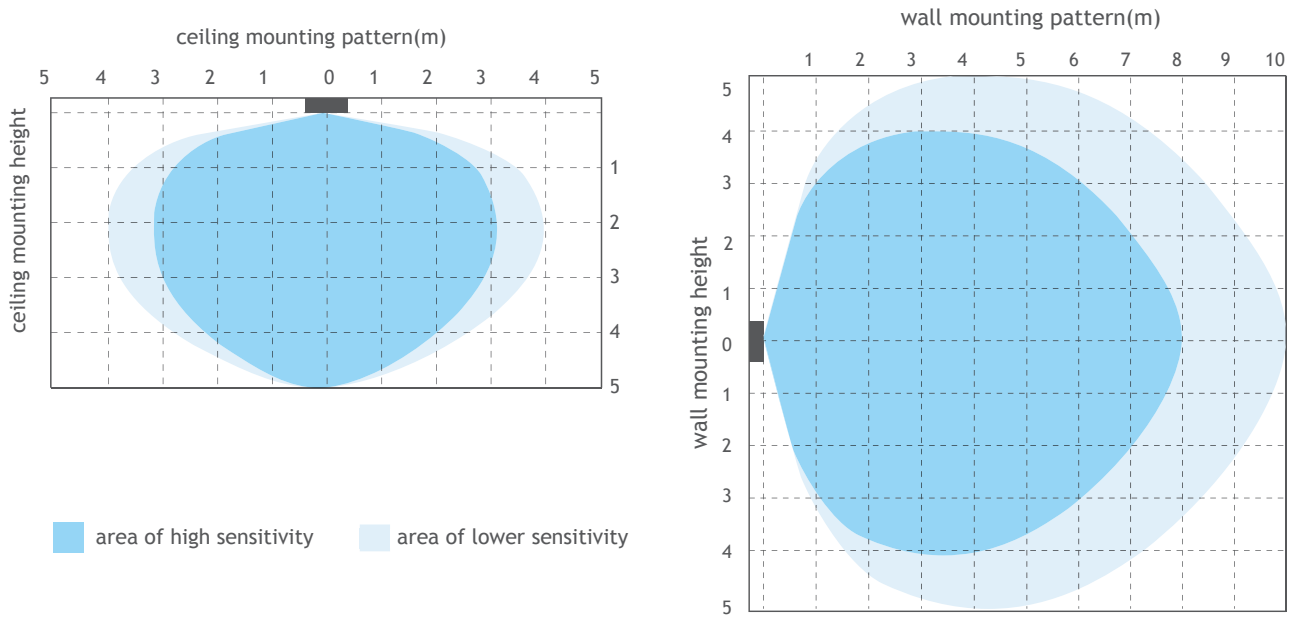
1 The sensor switches the light at 100% level automatically when a person walks into the room.

2 After the hold time, the lamp dims to the pre-defined dimming level when the person leaves the detection area.

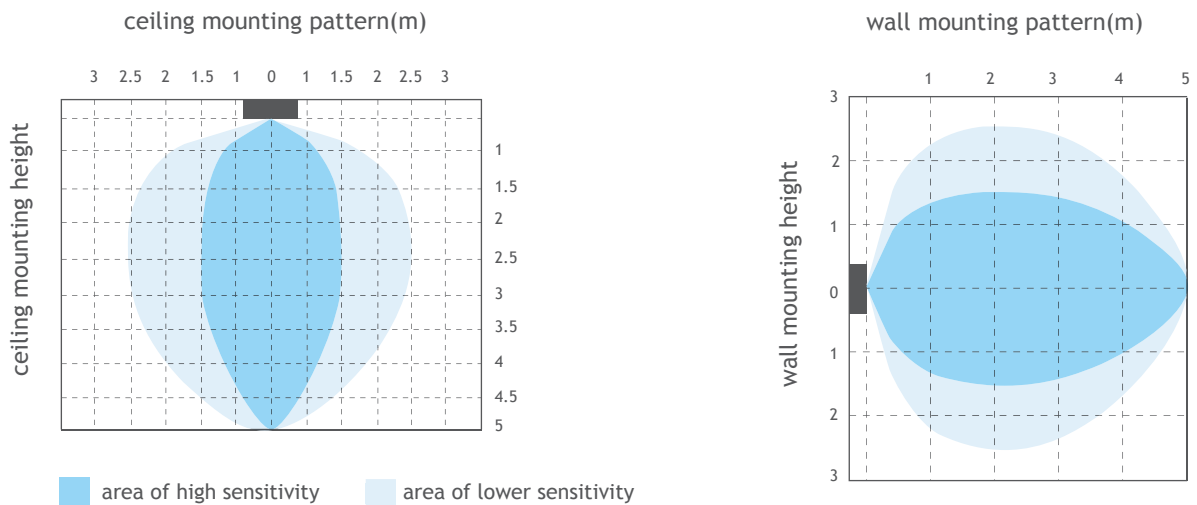
Note: in this application, light never turn off even when the natural light is over the selected threshold.



HC008S Detection Pattern



HC008S/M 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	
I	●	●	●	100%
II	○	●	●	75%
III	●	○	●	50%
IV	●	●	○	30%
V	○	○	○	10%

I - maximum range 100%
 II - 75%
 III - 50%
 IV - 30%
 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 detection area.

	1	2	3	
I	●	●	●	5s
II	○	●	●	30s
III	●	○	●	180s
IV	○	○	●	300s
V	●	●	○	15min
VI	○	○	○	25min

I - Walk test mode 5s
 II - 30s
 III - 180s
 IV - 300s
 V - 15 minutes
 VI - 25 minutes

3 daylight sensor

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

	1	2	3	
I	●	●	●	2 Lux
II	○	●	●	5 Lux
III	●	○	●	20 Lux
IV	○	●	○	30 Lux
V	○	○	○	Disable

I - 2 lux darkness operation only
 II - 5 lux darkness operation only
 III - 20 lux twilight operation
 IV - 30 lux twilight operation
 V - *daylight, daylight sensor disabled

“daylight” : The lamp works always,even during daylight.
 “twilight” : The lamp works only in twilight and darkness.
 “darkness”: The lamp works only in darkness.

Technical Data

Operating voltage:	HC008S,HC008S/M --220-240V
Switched power:	HC008S,HC008S/M--400W
Standby power:	0.6w (standby), 1.2w (operation)
Detection area	10 / 30 / 50 / 75 / 100% , can be customized
Hold time	5s/30s/180s/300s/15min/25min, can be customized
Daylight threshold	2--30lux daylight / twilight / darkness , can be customized
Sensor principle	microwave motion detector
Microwave frequency	5.8 GHz +/- 75 MHz
Microwave power	<1mw
Detection range	HC008S,Max. (Φ x H): 8m x 5m HC008S/M,Max. (Φ X H):3m x 3m
Detection angle	30--150 °
Mounting height:	Max.5m HC008S ,Max3m HC008S/M.
Operating temperature:	-10℃ ~ +60℃
IP rating:	IP 20 IP 65 (mounting in Hytronik special box)