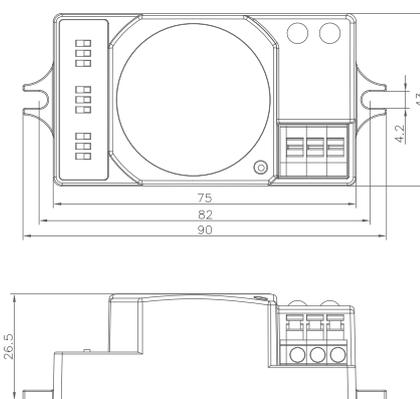
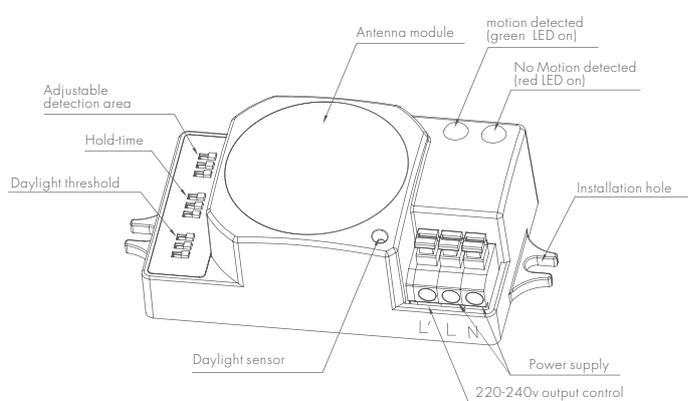


Economy version on/off control

Model: HC008S



Model: HC008S

Mechanical structure

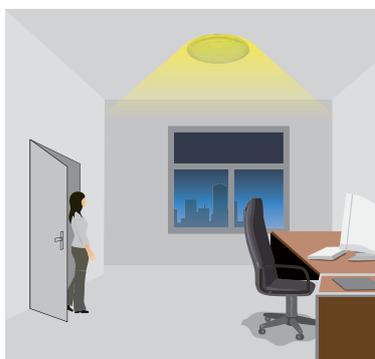
Function and options

1 On-off Function

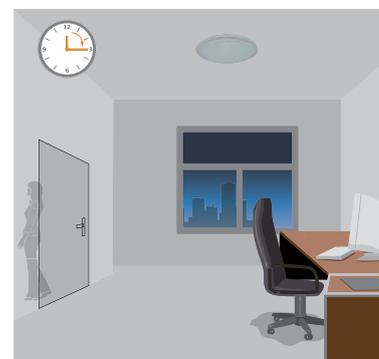
This sensor is a motion switch, turn on the light on detection of people movement, and turn off after a pre-selected holdtime when there is no people around. A daylight sensor is also built-in to switch off the light when there is sufficient natural light.



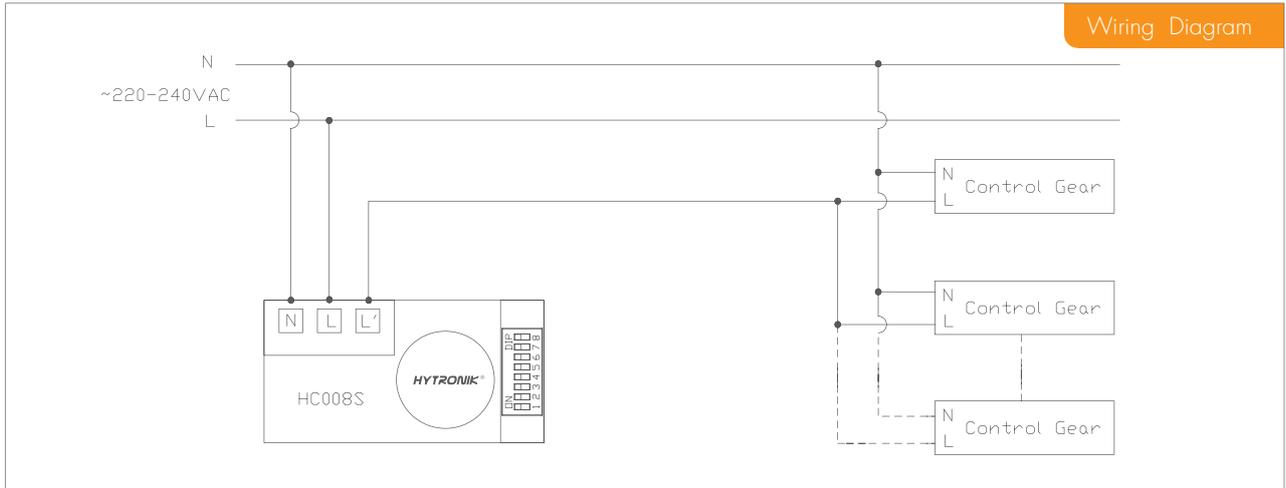
With sufficient natural light, the light does not switch on when presence detected



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

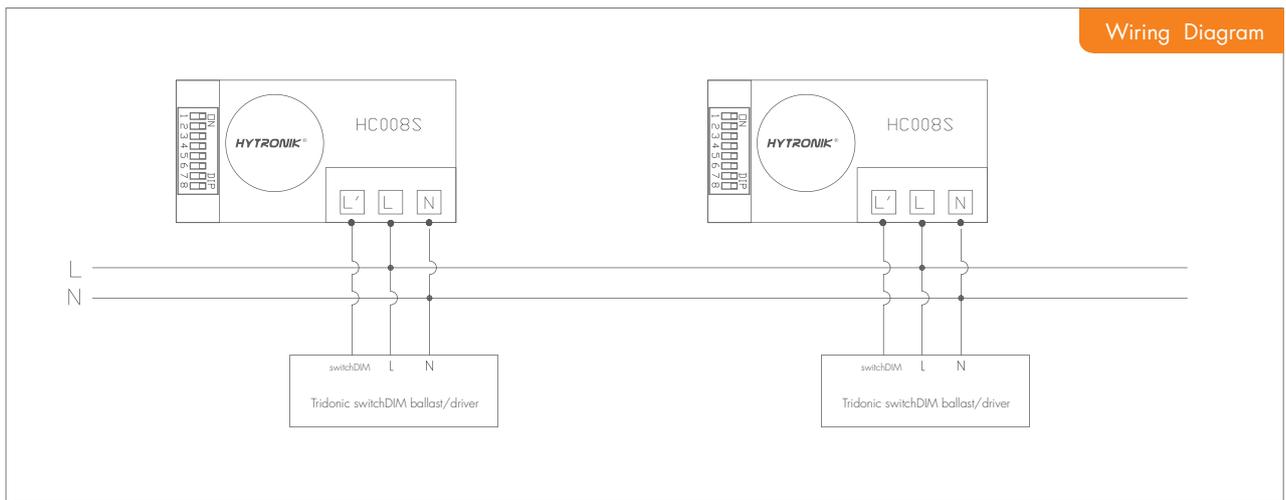


After the hold time, then switch off automatically when no movement is detected.

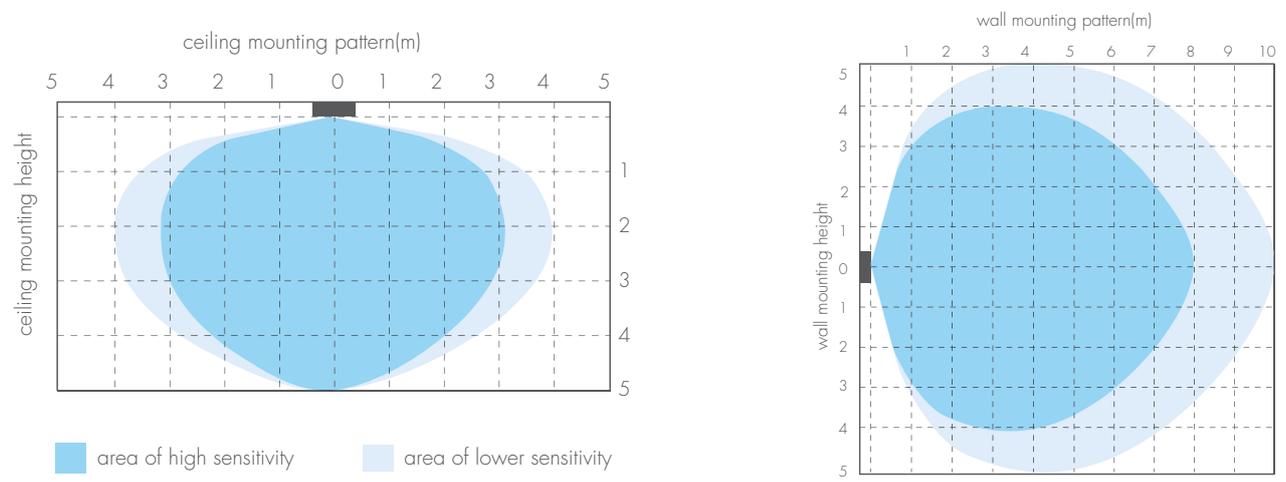


2 3-steps dimming control

with Tridonic switchDIM ballast / driver (Excel ballast/driver, corridor function) , this sensor can also achieve 3-steps dimming control...

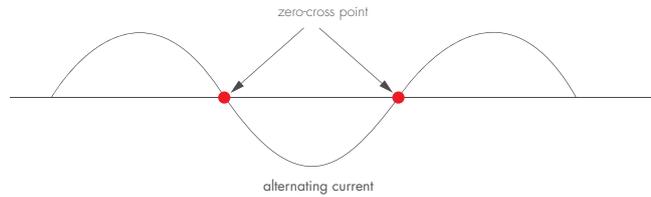


HC008S Detection Pattern



Zero-cross relay operation

Designed in the software, sensor switches on/off the load right on the zero-cross point, to ensure the min. current passing through the relay contact point, and enable the max. load and life-time of the relay.



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.

“daylight” : The lamp works always, even during daylight.

“twilight” : The lamp works only in twilight and darkness.

“darkness” : The lamp works only in darkness.

	1	2	3	
I	●	●	●	2 lux
II	○	●	●	5 lux
III	●	○	●	20lux
IV	○	●	○	30lux
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

Technical Data

Operating voltage	220~240V
Switched power	Max.400W (capacitive) Max.800w(resistive)
Standby power	0.5w
Warm time	20s
Detection area	10/30/50/75/100%, can be customized
Hold time	5s/30s/180s/300s/15min/25min, can be customized
Daylight threshold	2Lux /5Lux /20Lux /30Lux /Disable
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz+/-75MHz
Microwave power	<0.2mw
Detection range	Max. (∅ x H): 8m x 5m
Detection angle	30°~150°
Mounting height	Max.5m
Operating temperature	-20°C ~ +60°C
IP rating	IP20 IP65(mounting in Hytronik special box)
Certificate	Semko, EMC, CE, R&TTE