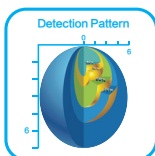
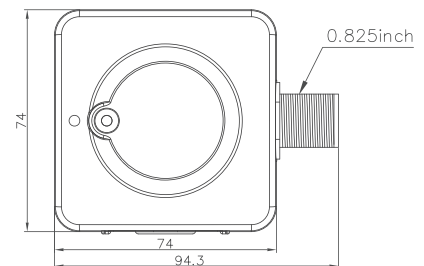
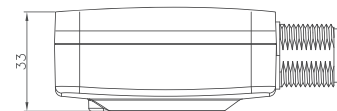
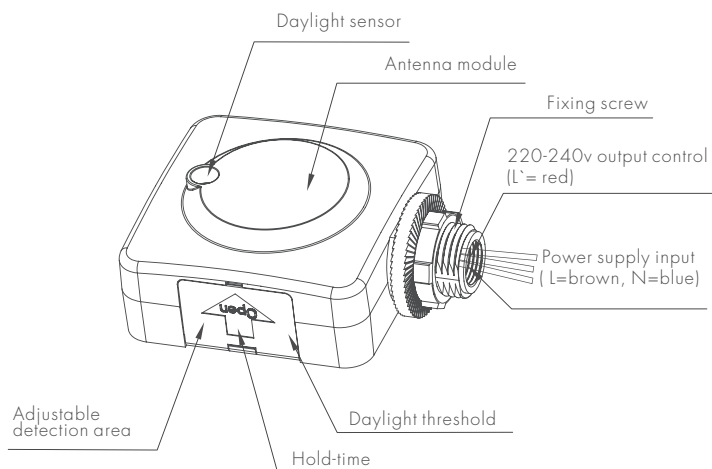
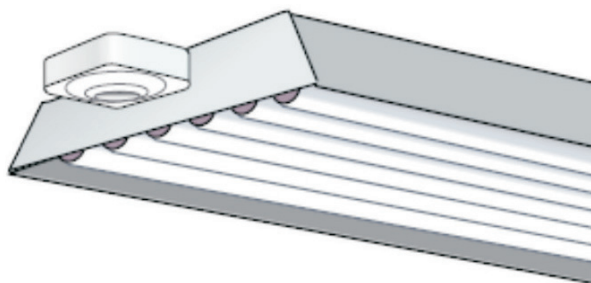


Attachable Version On/off Control

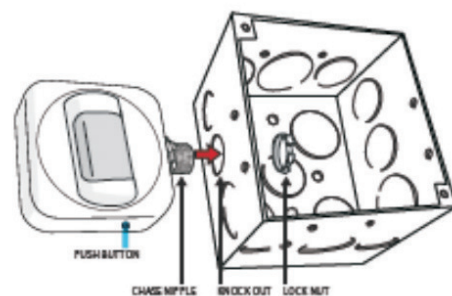
Model: HC030S



This sensor is for the external installation. To attach to the outside of fixture, where aluminium louvre is usually applied. (alum. louvre blocks and interferes microwave detection).



Attach to metal fixture



Attach to junction box

An optional external metal conduit is available to be added on the plastic conduit to increase the length, in case the conduit is not long enough to go through the metal wall, where this is a thick recessed area for IP 65 protection.

Double insulation cable is also available for easy retrofit.



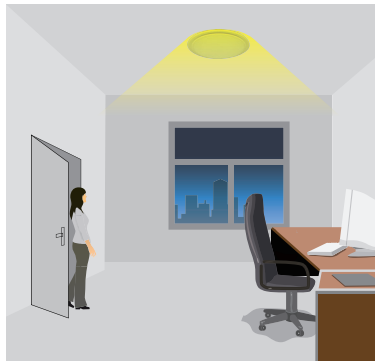
Function and Options

1 On-off Function

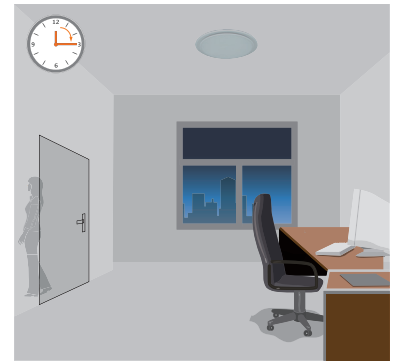
This sensor is a motion switch, which turns on the light on detection of people movement, and turns off after a pre-selected holdtime when there is no people around. A daylight sensor is also built-in to switch off the light when there is sufficient natural light.



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

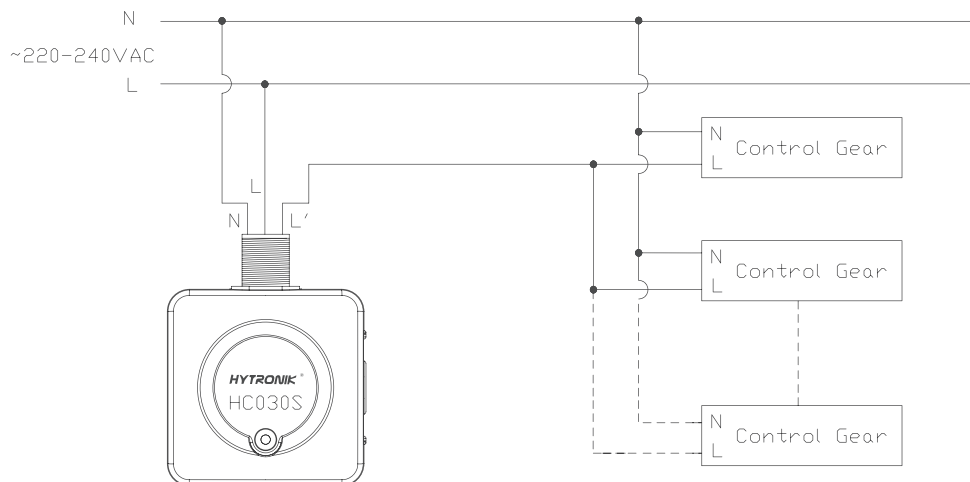


With insufficient natural light, the sensor switches on the light automatically when person enters the room.

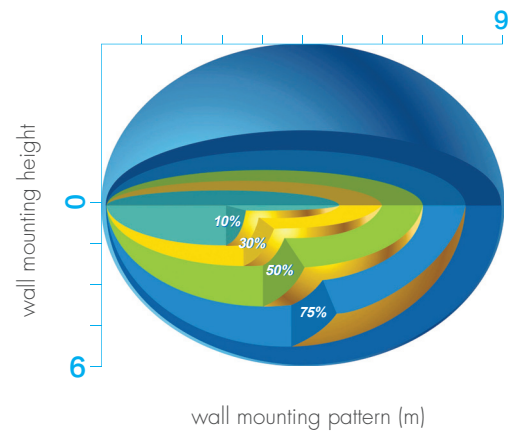
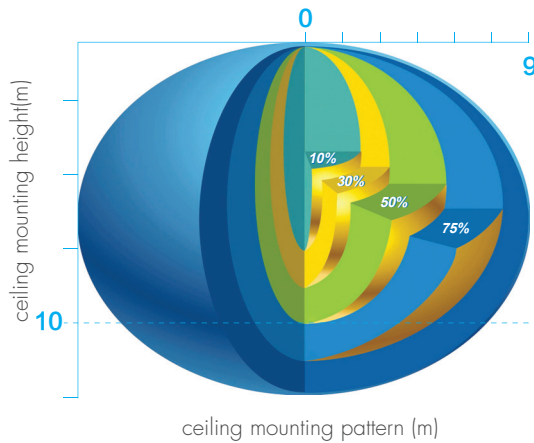


After the hold time, then switch off automatically when no movement is detected.

Wiring Diagram



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	○	○	○	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	○	○	○	○	10s
II	●	○	○	○	30s
III	○	○	○	○	90s
IV	○	○	○	●	6min
V	○	○	○	○	20 min
VI	●	●	●	●	30 min

- I – Walk test mode 10s
- II – 30s
- III – 90s
- IV – 6min
- V – 20 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	○	○	○	○	5 lux
II	●	○	○	○	10 lux
III	○	○	○	○	30 lux
IV	○	○	○	○	50 lux
V	●	●	●	●	Disable

- I – 5 Lux darkness operation only
- II – 10 Lux twilight operation only
- III – 30 Lux twilight operation
- IV – 50 Lux daylight operation
- V – Daylight, daylight sensor disabled

Technical Data

Operating voltage	220~240VAC
Switched power	Max.800W (capacitive)
Standby power	0.5W
Detection area	10/25/50/75/100%, can be customized
Hold time	10s/30s/90s/6min/20min/30min, can be customized
Daylight threshold	5Lux / 10Lux / 30Lux / 50Lux / Disable
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz+/-1.5MHz
Microwave power	<1mW
Detection range	Max. (Ø xH): 18m x 10m
Detection angle	30°~150°
Mounting height	Max. 10m
Operating temperature	-20°C ~ +60°C
IP rating	IP20 IP65(mounting in Hytronik special box)
Certificate	Semko, EMC, CE, R&TTE, SAA