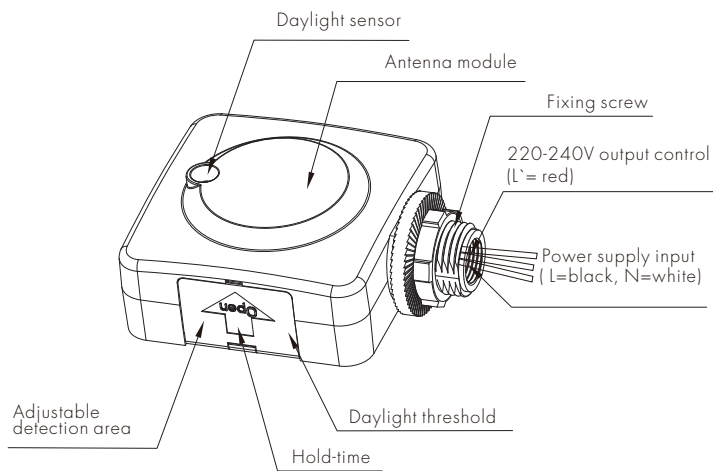
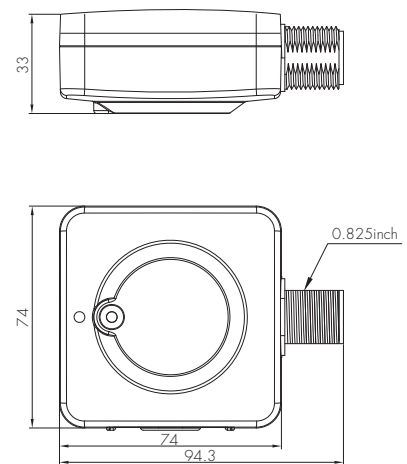


Attachable Version On/off Control

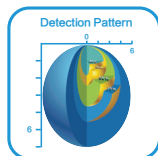
Model: HC430S



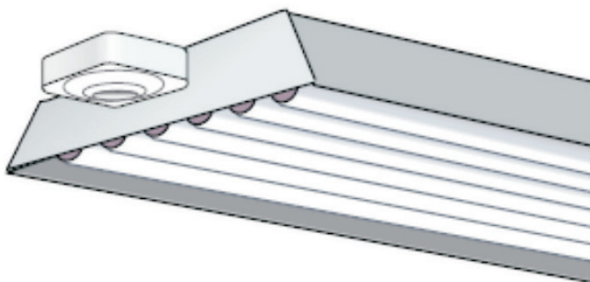
Model: HC430S (120-277Vac)



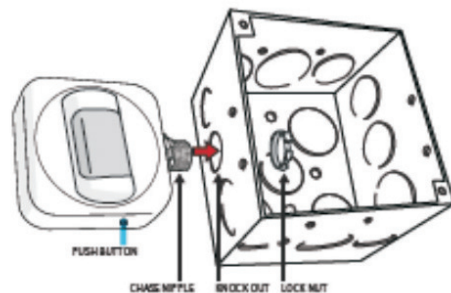
Mechanical structure (mm)



This sensor is designed for installation to the outside of a fixture, where a metallic body or louvre would block and interfere with microwave detection.



Attach to metal fixture



Attach to junction box

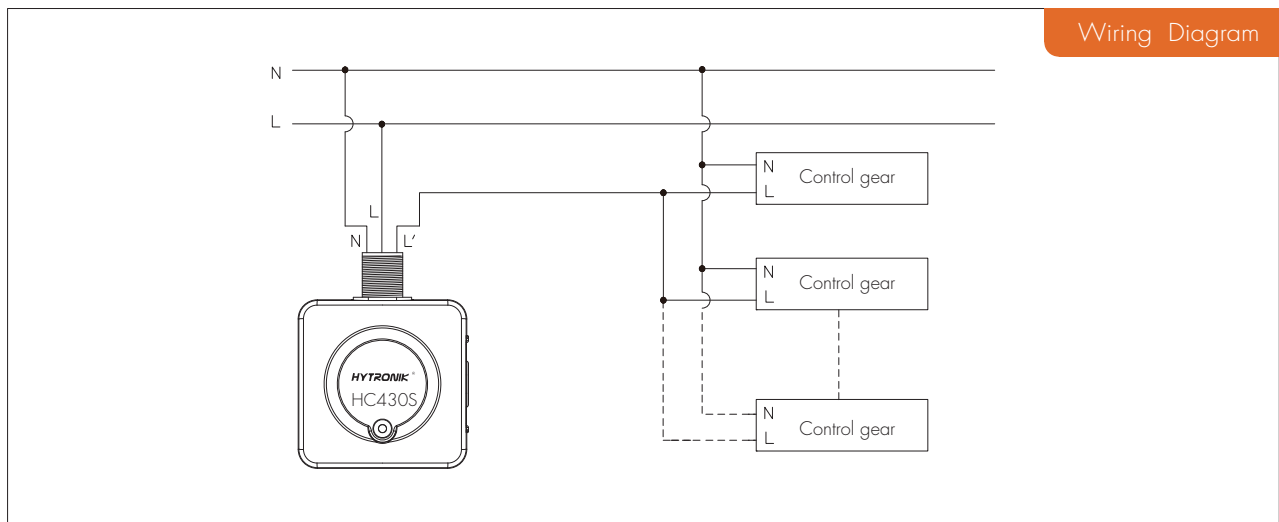
An optional external metal conduit is available to be added on the plastic conduit to increase the length, in case the conduit is not long enough to go through the metal wall, where this is a thick recessed area for IP 65 protection.

Double insulation cable is also available for easy retrofit.

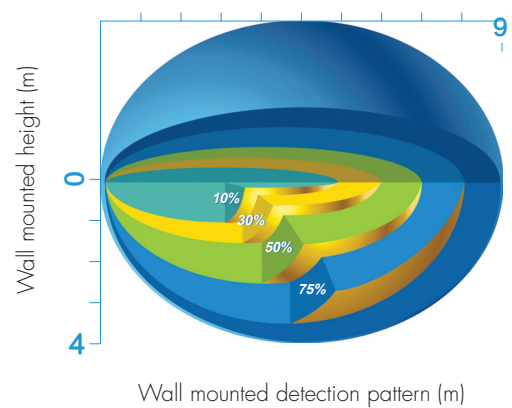
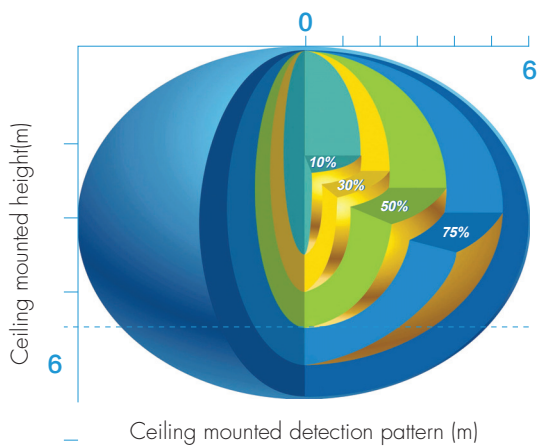


Product Function and Feature

1 On-off function



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 to keep the lamp on 100%, after all motion has ceased (detection area vacated).

	1	2	3	4	
I	○	○	○	○	10s
II	●	○	○	○	30s
III	○	●	○	○	90s
IV	○	○	●	○	6min
V	○	○	○	●	20min
VI	●	●	●	●	30min

- I – 10s
- II – 30s
- III – 90s
- IV – 6min
- V – 20min
- VI – 30min

3 Daylight sensor

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

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

- I – 5Lux
- II – 10Lux
- III – 30Lux
- IV – 50Lux
- V – Disabled

Technical Data

Operating voltage	120~277Vac
Switched power (capacitive load)	Max. 400W@120Vac; 1000W@277Vac
Stand-by power	<0.5W
Detection area	10% / 25% / 50% / 75% / 100%
Hold-time	10s / 30s / 90s / 6min / 20min / 30min
Daylight threshold	5Lux / 10Lux / 30Lux / 50Lux / Disable
Sensor principle	HF (microwave) motion detector
HF (microwave) frequency	5.8GHz+/-15MHz
HF (microwave) power	<1mW
Detection range	Max. (Ø xH): 12m x 6m
Detection angle	30°~150°
Mounting height	Max. 6m
Operating temperature	-20°C ~ +60°C
Max. case temperature (Tc)	80°C
IP rating	IP20
Certificate	cULus listed, ETL, FCC