



High Definition IR Motion Sensor | Model: S-HT-C12-DRWH



Features

- Passive Infrared (PIR) Sensor
- Bluetooth Mesh Qualified
- LED Motion Indicator
- Suitable for Indoor Use Only
- Program Occupancy / Vacancy
- 360° Coverage Pattern

Certifications



Installation

For best results, the Corridor - One Way Motion Sensor needs to be installed within 30 feet of the closest device within the Bluetooth Mesh network. **24VDC power needs to be supplied to the sensor from others, the auxiliary DC output of a BubblyNet Controller or one BubblyNet A-T03-12-17-DS00 3w AC/DC Transformer, neither included.**

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:	<u>Outdoor (line of sight):</u>	200ft
	<u>Indoor (through building material):</u>	100ft
	Glass:	70ft
	Drywall:	60ft
	Cinderblock:	50ft
	Brick:	50ft
	Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

Specification

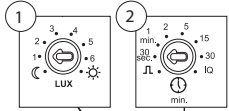
- Voltage - 24 VDC/VAC (32 mA)
- Sensing technology - Passive Infrared (PIR)
- Light Level Setting - 10 - 1000 lux / 1 - 100 fc
- Environment- IP20 rated, 0°C to +40°C, 32°F to +104°F
- Installation Height - 2.5- 10 m / 8 - 32 ft
- Coverage at 9 ft
 - 360° square mechanically scalable detection zones
 - presence: max. 7.9 x 7.9 m (62.41 sq.m.)
max. 25.5 x 25.5 ft (650.25 sq. ft.)
 - radially: max. 7.9 x 7.9 m (62.41 sq. m.)
max. 25.5 x 25.5 ft (650.25 sq. ft.)
 - tangentially: max. 20 x 20 m (400.0 sq. m.)
max. 65.5 x 65.5 ft (4,290.25 sq. ft.)
- Sensors - 4 Infrared Pyroelectric Detectors
- Lens Design - 13 Detection Levels, 4800 Switching Zones
- Dimensions - 4.72 x 4.72 x 2.83 in, 120 x 120 x 72 mm (LxWxD)
- Warranty - 5 Years

*results may vary based on mounting height, temperature, angle, floor material, and line of sight.

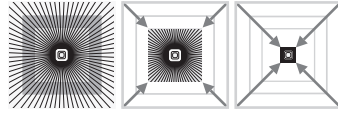
Description

The S-HT-C12-DRWH is a low voltage, high definition, passive infrared presence detector setting a new standard in lighting control with minimal movement required for human presence detection. Features four pyroelectric detectors with a high performance lens system that creates a new global standard in detection with 4,800 switching zones.

Settings



Mechanical Scalability

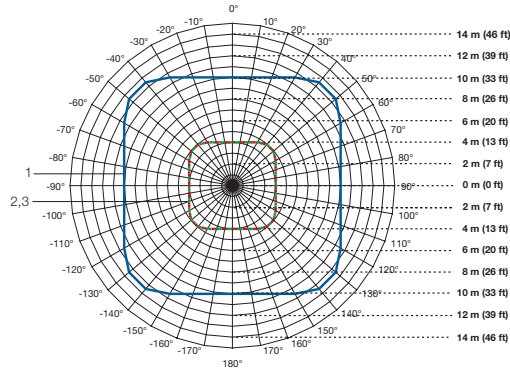


- 1 - Light level setting
- 2 - Occupancy time delay setting
- 3 - Reach setting
- 4 - Sensor DIP switch settings

Coverage

Shown at 9 ft mounting height. Coverage will vary depending on mounting height. See pages 4 & 5 of the instruction manual for coverage at heights from 8 to 26 ft. Maximum mounting height up to 32 ft.

One Gridline = 1 m / 3 ft



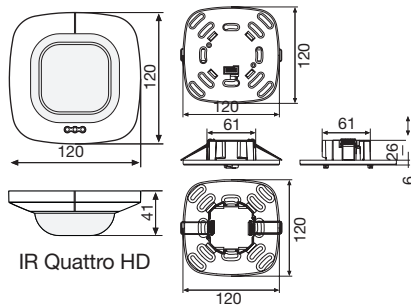
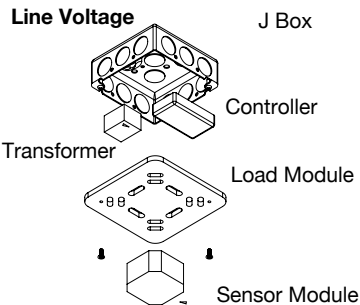
1 - Tangential - motion perpendicular to the sensor
20 x 20 m (65.6 x 65.6 ft)

2 - Radial - motion either directly toward or away from the sensor
8 x 8 m (26.25 x 26.25 ft)

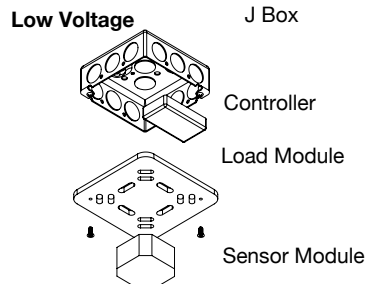
3 - Presence - minor motion as described by NEMA WD7 with the additional requirement of both radial and tangential detection
8 x 8 m (26.25 x 26.25 ft)

- DIP 1 - Normal mode / Test mode (NORM / TEST)
- DIP 2 - Manual ON mode (MAN) / Automatic mode (AUTO)
- DIP 3 - Momentary / Maintained switch option
- DIP 4 - 'ON' only / 'ON' & 'OFF' manual switching
- DIP 5 - Not Used

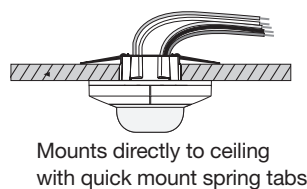
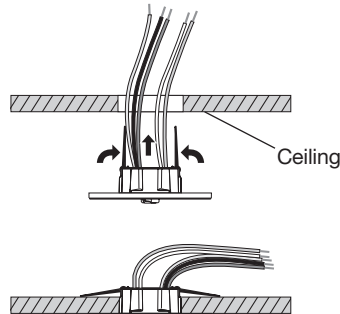
J-Box Mounted



Mounts to a 4" Square box, 4 box or Round 3.0 Mud-Ring



Spring Mounted



Mounts directly to ceiling with quick mount spring tabs

