



**Microwave Presence Detector Module  
HD-610**



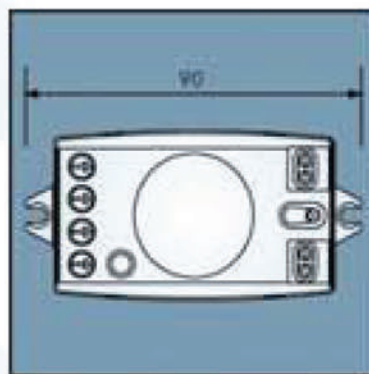
HD - 610 series is a compact active high frequency presence (motion) detector, which uses microwave "Doppler Radar" technology that detects the slightest motion. Dust, Air Flow, Fog, Smoke, Light, Sound, etc. will not affect the detector. The sensor can penetrate non - metallic materials such as wood board, plastic materials, glass, thin brick wall, etc. With its penetration ability, the high frequency presence detector is ideal for fixing inside the Luminaire as a hidden detector which automatically responds to a movement within the detection area.



User-friendly and adjustable Time, Meter, Lux knobs for user's flexible and easy adjustment



Built into the luminaire for invisible switching. Ideal for retrofit.



Compact



IR remote control for easy and convenient settings on detector (optional purchase)



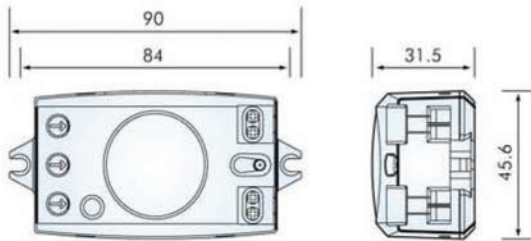
Microwave detector is sensitive to small movement

## FEATURES:

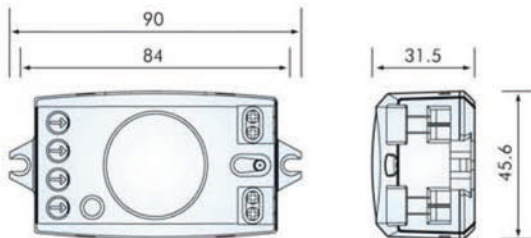
- High sensitivity for detecting the smallest movements.
- Omnidirectional sensitivity.
- Powerful circuit design to control all kinds of lamps.
- Built in photocell allows a "switch on" minimum lux level to be set.
- IR remote control is available for easy and more flexible switch settings (HD-610i).
- The ambient light level can be programmed by IR remote control to allow more flexible switch settings.

## DIMENSIONS: (mm)

### • 610P / 610Pi

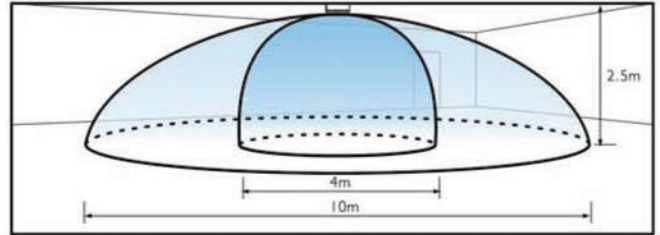


### • HD-610T:



## DETECTION COVERAGE: (m)

### • Ceiling mount:




## Application examples:

Can be incorporated into any luminaires with glass, plastic, or any acrylic diffusers and uses the lamp types shown below.



**PLEASE ENSURE FLUORESCENT LAMP TYPES ARE BOTH MULTI SWITCH AND QUICK START.**

MODEL	HD-610P	HD-610Pi	HD-610T
SPEC			
Rated Voltage	230V~ 50 / 60Hz	230V~ 50 / 60Hz	230V~ 50Hz
Load	Incandescent---Max.1000W AC halogen----Max. 500W LV halogen-----Max. 200W PL lamp-----Max.150W Fluorescent----Max.160W / 20µF Fluorescent----Max. 200W (Uncompensated) LED lamp-----Max. 200W	Incandescent---Max.1000W AC halogen----Max. 500W LV halogen-----Max. 200W PL lamp-----Max.150W Fluorescent----Max.160W / 20µF Fluorescent----Max. 200W (Uncompensated) LED lamp-----Max. 200W	Incandescent---Max. 200W AC halogen----Max. 200W LV halogen-----Max. 150W PL lamp-----Max. 120W (Dimmable Type) LED Driver-----Max. 150W (Dimmable Type)
Lux setting	5Lux - "☼" (∞)	5Lux - "☼" (∞)	5Lux - "☼" (∞)
Time setting	5s - 30m / Test	5s - 30m / Test	5s - 30m / Test
Meter setting	20%(Φ2m) - 100%(Φ10m)	20%(Φ2m) - 100%(Φ10m)	20%(Φ2m) - 100%(Φ10m)
High Frequency	5.8GHz	5.8GHz	5.8GHz
Soft start	x	x	V (Trailing edge - Dimmable CFL & LED Driver)
Manual override	V	V	V
2-level function	x	x	V (0 - 60%)
IR Remote Control	x	V	x
Environmental Protection	IP 20	IP 20	IP 20
Operating Temperature	0°C to +70°C	0°C to +70°C	0°C to +70°C



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