

PS-6605 Ceiling Dual-Technology Motion Detector



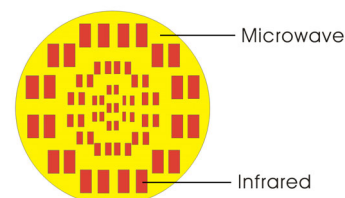
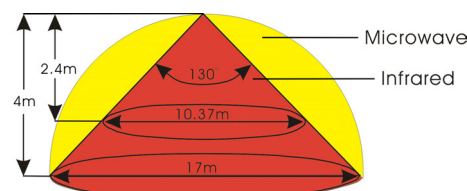
In this microwave-supervised motion detector, digital processing software treats the infrared detector as the dominant unit, and seeks microwave confirmation of detected signals only in the presence of infrared detection. Without this mandatory "second opinion", an alarm cannot be generated. In addition, it uses advanced digital True Motion Detection Technology (TMDT). Once motion signal is received, it compares and analyses the signal with the true motion signal in database memory and ignores extraneous noises in order to eliminate false alarm. It is ideal for the protected area where false alarm must not occur. PS-6605 uses interlocking quad element PIR sensor for real 360 degree coverage pattern. It is easily installed in any ceiling up to 8m (26 ft), and is durable enough even for harsh environments in residential, office or commercial applications. The result is the industry's best detection accuracy, false alarm immunity and ultimate long-term reliability – in an elegant professional ceiling-mounted device.

- Direct conversion from analogue to digital
- Digital software
- Digital microwave detection
- Digital auto pulse signal processing
- Digital temperature compensation
- Integrated LED Indication
- Reflow design
- Field test mode

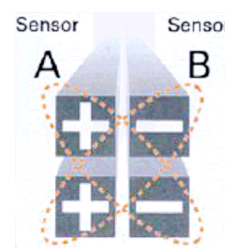


Specification:

PIR	Sensor Type	Interlocking quad element, rectangular PIR sensor
	Focal Point Lens	1.2"
	Lens	2 nd generation Fresnel lens
	Auto Temperature Compensation	Digital
	Digital Processor	Digital auto pulse signal processing & digital TMDT algorithm software filter out non-motion signal and RFI/EMI signal
	Range	Ø10.37m (mounting height 2.4m)
	Sensitivity	2 levels adjustable
	PIR Indication	Green LED flashes 5 seconds
	Microwave	Antenna Type
Frequency		FCC and DOC – 2.45GHz
Detection Method		Doppler shift
Processing		Doppler + Energy Analysis
Digital Filtering		50 / 60 Hz
Self-Test		Microwave self-test
Processor Type		12 / 8 – bit intelligent logic
Sensitivity		Adjustable
MW Indication		Green LED lights 5 seconds
Others	Operating Temperature	-20°C ~ +50°C
	Power Input	10 – 16VDC 30mA
	Detection Speed	0.2 – 7m/sec
	Installation Height	2.2-8m
	Alarm Indication	Red LED constant light 3 sec (can be disabled)
	Alarm Output	N.C., 28Vdc 0.15A
	Tamper Output	N.C., 28Vdc 0.15A
	Trouble Indication	Red and Green LED flash alternatively
	Trouble Output	N.C., 28Vdc 0.15A
	Anti RFI	10V/m (80-1000MHz)
	Operating Humidity	95%
	Weight	75 g
	Size	Φ92×28mm



- Microwave
- Infrared + Microwave



Interlocking quad element