

PS-6601 Dual-Technology MW/PIR Motion Detector

P S O N I C

The 6601 is a dual-technology digital detector designed for ultimate false alarm immunity in residential and office applications. 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. PS-6601 implements a new generation of patented technologies, including advanced microwave DRO front-end utilizing Digital Signal Processing, MW motion simulation for periodic self-testing and True Motion Detection Technique (TMDT) using Fuzzy Logic algorithm. The result is the industry's best detection accuracy, false alarm immunity and ultimate long-term reliability - in an elegant, durable and easily installed professional device designed for harsh environments. 6601 has slim elegant design suitable for any residential or office environment.



- Direct conversion from analogue to digital
- Digital software(TMDT)
- Digital microwave detection
- Digital auto pulse signal processing
- Digital temperature compensation
- No dead zone standard lens
- Reflow design
- Field test mode
- Independent LED Indication for MW, PIR and Alarm

Specification

| | | |
|------------------------------|-------------------------------|--|
| PIR | Sensor Type | Dual element, rectangular PIR sensor |
| | Auto Temperature Compensation | Yes, Digital |
| | Digital Processor | Digital auto pulse signal processing & digital TMDT algorithm software filter out non-motion signal and RFI/EMI signal |
| | Detection Speed | 0.2 – 7m/sec |
| | Range | 12mx 90° (standard lens) |
| | Sensitivity Adjust | One pulse count or 2 pulse count |
| | PIR Indication | Green LED flash 5 seconds |
| Microwave | Antenna Type | Flat micro strip antenna with FET oscillator |
| | 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 Adjust | Adjustable from 25% to 100% (3-12m) |
| | MW Indication | Green LED lights 5 seconds |
| | Others | Power Input |
| Installation Height | | 2.1m +/- 10% |
| Alarm Indication | | Red LED constant light 3 sec (can be disabled) when both MW and PIR sensors are triggered. |
| Alarm Output | | N.C., 28Vdc 0.15A |
| Trouble Indication | | Red and Green LED flash alternatively. |
| Trouble Output | | N.C., 28V dc 0.15A |
| Tamper Output | | N.C., 28Vdc 0.15A |
| Mounting | | Direct mount on flat wall or corner, or using swivel bracket suitable for ceiling and wall mounted |
| Operating Condition | | Humidity 95%, temperature -20°C ~ +50°C |
| Net Weight / Shipping Weight | | |
| Size | | 66×105×48mm(W×H×D) |

Standard Lens Pattern:

