

## Passive Infra-Red Motion Detector IR-11



- **Two-Way Radio Communication**
- **Dual Frequency Hopping**
- **Code Encryption**

The Passive Infrared Motion Detector is a microprocessor controlled PIR Detector. Its advanced Digitalized Adaptive Signal Processor algorithm enables the PIR Detector to maintain a stable sensitivity level regardless of changes in its environment or outside interference.

IR-11 uses **Bi-directional** radio communication and features **Dual Frequency Hopping** and **Code Encryption** to ensure infallible signal transmission to and from the Control Panel. This latest two-way radio technology makes it the most advanced, stable and secure product available on the market today.

It is **compact in design** and uses Lithium batteries, thus ensuring longer battery life. In addition, it is tamper-proof against opening of its enclosure and removal from its mounting surface, and sends regular supervision signals to check system integrity.

### Features:

- Bi-directional radio communication
- Dual Frequency Hopping & Code Encryption
- Powered by pre-inserted **Lithium** battery for easy installation
- Microprocessor Controlled with advanced Digitalized Adaptive Signal Processor algorithm
- Surface and Corner mounting removal tamper protection
- Randomized Supervision signals for trouble-free system integrity checking
- Low Battery detection
- Superior white light noise rejection
- Detection range: 12 meters at 90° angle
- Superior radio Interference rejection of up to 20V/m at frequencies of 100KHz to 1GHz

- Automatic Power Saving Mechanism
- Insect and dirt proof
- Compact & low profile
- LED: Fault & Test Mode indicator
- **Dual color LED** also doubles as the Walk Test mode activation button (RED LED for Transmission indicator & GREEN LED for Confirmation indicator)
- Temperature compensated sensitivity control
- Complied with CE requirements

### Specifications:

- Power: Lithium AA battery x 1 (pre-inserted)
- Battery life: 5 years or over<sup>1</sup>
- Radio frequency: 868.6375 / 868.6875 MHz Narrow FM
- Range: over 300 meters in open space
- Operating temperature: -20° to 50°C
- Humidity: up to 95% non-condensing
- Dimensions: 94 X 64 X 42 mm

\* Note<sup>1</sup>: Battery life is calculated at an average of 20 activations per day.

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