

## IR-9 PIR Motion Detector Series

IR-9 is a microprocessor controlled PIR Motion Detector that provides quality detection. Its advanced Adaptive Digital Signal Processing (ADSP) algorithms enable it to maintain a stable yet highly sensitive level of detection regardless of outside interference or changes in the environment.

IR-9 is compact in design and uses Lithium battery, thus ensuring longer battery life. In addition, it is tamper-proof against the opening of its enclosure and removal from its mounting surface. It also sends regular supervision signals to check system integrity. The elegant white housing of IR-9 renders it non-intrusive in appearance, allowing it to blend naturally into any home décor.

IRA-9 shares all the great features of IR-9, except it adopts 868.35 MHz for radio transmission.



### Features:

- Powered by a pre-inserted lithium battery for easy installation
- Microprocessor controlled with advanced Adaptive Digital Signal Processing (ADSP) algorithms
- Surface or corner mounting with tamper protection against removal
- Two selectable sensitivity levels
- Randomized supervision signals for system integrity checks and troubleshooting
- Low battery detection
- Superior white light and noise rejection
- Superior radio Interference rejection of up to 20V/m at frequencies of 100KHz to 1GHz
- Automatic power saving mechanism
- Detection range: 12 meters over a 110° angle
- Insect- and-dirt-proof
- Compact and low-profile
- LED: Fault and test mode indicator/walk test mode activation button
- Temperature compensated sensitivity control
- Compliant with CE requirements
- Certified to Standard: EN 50131 Grade2, Class II

### Specifications:

- Power: Lithium AA battery x 1 (pre-inserted)
- Battery life: 2.5 and over\*
- Radio Frequency Available: IR-9-433: 433 MHz  
IR-9-868: 868.6375 MHz Narrow FM  
IRA-9: 868.35 MHz
- Range: 433 MHz or 868.35 MHz: Over 200 meters in open space  
868.6375 MHz: Over 300 meters in open space
- Operating temperature: -10°C to +45°C
- Operating humidity: Up to 85% non-condensing
- Dimensions: 94mm X 64mm X 42mm

\* Note: Battery life is calculated at an average of 20 activations per day.