

IR-16SL PIR Motion Detector Series

A Must Have Element in Your Security System



- Long Battery Life
- Fast Speed Signal Transmission
- Microprocessor Controlled
- Advanced ADSP Algorithms

The new generation IR-16SL Series 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 changes in the environment or outside interference. Equipped with a remarkable battery life of 4 to 5.8 years, IR-16SL Series is particularly created to enhance operational efficiency, lower power consumption, and reduce maintenance costs.

IR-16SL-F1 and IR-16SL-F2 adopt the latest RF technologies to deliver super speed signal transmission and extensive communication range up to 300 meters in open space. With fast data transmission, IR-16SL-F1 and IR-16SL-F2 are designed to effectively reduce signal collisions and improve battery life. IR-16SL-F1 is compatible with AC powered F1 control panels and IR-16SL-F2 is compatible with battery operated F2 control panels.

IR-16SL Series is easy and flexible to install. Moreover, it sends regular supervision signals to check system integrity. Its tamper-proof design prevents the opening of its enclosure and the removal of the device from its surface mounts. The streamlined aesthetic design of its new housing gives IR-16SL Series a more contemporary appearance.

Features

- Pre-inserted Lithium battery for easy installation
- Microprocessor controlled with advanced Adaptive Digital Signal Processing (ADSP) algorithms
- Long battery life
- Super speed signal transmission (F1 and F2 models only)
- Compatibility with AC powered F1 panels (F1 model only)
- Compatibility with battery operated F2 panels (F2 model only)
- Two selectable sensitivity levels
- Surface or corner mount with tamper protection against removal
- 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
- Detection range: 12 meters over a 110° angle
- Automatic power saving mechanism
- Insect and dirt proof
- Compact and low-profile
- LED serving as a fault and test mode indicator or a walk test mode button
- Temperature compensated sensitivity control
- Compliant with CE requirements
- Certified to Standard: EN 50131 Grade2, Class II

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Specifications

	IR-16SL	IR-16SL-F1	IR-16SL-F2
Battery	Li CR123A 3V 1500mAh x1 (pre-inserted)	Li CR123A 3V 1500mAh x1 (pre-inserted)	Li CR123A 3V 1500mAh x1 (pre-inserted)
Battery Life	5.4* years (433MHz) 4.7* years (868.35MHz) 4* years (868.6375MHz)	5.8* years (433MHz) 5.44* years (868.6375MHz)	4.9* years
Frequency Available	433MHz/ 868.35MHz/ 868.6375MHz	433MHz/ 868.6375MHz	433MHz
Operating Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Operating Humidity	Up to 85% non-condensing	Up to 85% non-condensing	Up to 85% non-condensing
Dimensions	87.7mm X 66.4mm X 47.7mm	87.7mm X 66.4mm X 47.7mm	87.7mm X 66.4mm X 47.7mm

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