

# IRP-16SL Pet-Immune PIR Motion Detector Series

## Complete Protection For Environments Containing Pets



- **Pet Immunity up to 27 kilos (59 lbs)**
- **Fast Speed Signal Transmission**
- **Microprocessor Controlled**
- **Advanced ADSP Algorithms**

Suitable for environments containing pets, IRP-16SL Series is a microprocessor controlled PIR Motion Detector that provides quality detection and pet immunity up to 27kilos (59 lbs). With advanced Adaptive Digital Signal Processing (ADSP) algorithms, it guarantees superior sensitivity and reliability. Distinguished by its remarkable battery life that lasts 4 to 5.8 years, IRP-16SL Series is the best option for those who desire exceptional performance combined with long battery life.

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

Not only is IRP-16SL Series easy and flexible to install, it also sends regular supervision signals to check system integrity. Moreover, its tamper-proof design prevents the opening of its enclosure and the removal of the device from its surface mounts. The streamlined aesthetic design with more defined edges renders IRP-16SL Series more modern in appearance, making it attractive to the end users.

### Features

- Pet immunity up to 27 kilos (59 lbs)
- Powered by pre-inserted Lithium battery
- Microprocessor controlled with advanced ADSP algorithms for false alarm immunity
- Long battery life
- Super speed signal transmission (F1 and F2 models)
- 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

## IRP-16SL Pet-Immune PIR Motion Detector Series

### Specifications

	IRP-16SL	IRP-16SL-F1	IRP-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)	5.8* years(433MHz)	4.9* years
	4.7* years (868.35MHz)	5.44* years (868.6375MHz)	
	4* years (868.6375MHz)		
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 47.7 mm	87.7mm X 66.4mm X 47.7 mm	87.7mm X 66.4mm X 47.7 mm

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