

## IR-29 Series PIR Motion Detector

### Enhanced Flexibility and Affordability



- Two Battery Selections
- Fast Speed Signal Transmission
- Microprocessor Controlled
- Advanced ADSP Algorithms

IR-29 Series is a microprocessor controlled PIR Motion Detector that offers quality detection. The advanced Adaptive Digital Signal Processing (ADSP) algorithms in IR-29 Series guarantee high performance in sensitivity, reliability, and false alarm immunity. The sensitivity levels of IR-29 Series can be adjusted to suit different premises. To further enhance its flexibility and affordability, Lithium or Alkaline batteries are available for selection.

IR-29-F1 adopts the latest RF technology to deliver super speed signal transmission and extensive communication range up to 300 meters in open space. With fast data transmission, IR-29-F1 is designed to effectively reduce signal collisions and further extend battery life. IR-29-F1 is compatible with AC powered F1 control panels.

Easy and flexible to install, IR-29 Series sends regular supervision signals to check system integrity and has tamper-proof design to prevent the opening or removal of its housing. The compact, low-profile housing allows IR-29 Series to blend naturally with the settings where it is installed.

### Features

- Powered by pre-inserted Lithium or Alkaline batteries
- Microprocessor controlled with advanced ADSP algorithms for false alarm immunity
- Long battery life
- Super speed signal transmission
- Compatibility with AC powered F1 panels (F1 model only)
- Two selectable sensitivity levels
- Surface or corner mount with tamper protection against removal
- Optional mounting accessory: Rotating holder
- Randomized supervision signals for system integrity checks and troubleshooting
- Compliant with CE and FCC requirements
- 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
- Certified to Standard: EN 50131 Grade2, Class II

## IR-29 Series PIR Motion Detector

### Specifications

#### IR-29-F1

Models	IR-29	IR-29SL
Frequency	868 MHz / 433 MHz	
Power Source	1.5V AA Alkaline x 2	3V CR123 lithium battery x 1
Battery Life	5.5 years* (433MHz) 5.44 years* (868MHz)	5.8 years*(433MHz) 5.44 years* (868MHz)
Detection Range	12 meters over a 110° angle	
Mounting Height	1.9m-2.0m	
Mounting Options	Wall / Corner mount Optional accessory: Rotating holder	
Rotating Angles (with Rotating Holder only)	Vertical: 70° angle Horizontal: 80° angle	
Operating Temperature	-10°C to 45°C (14°F to 113°F)	
Operating Humidity	Up to 85% non-condensing	
Dimensions	IR-29: 53.2 mm x 67 mm x 89.2 mm Rotating holder: 70 mm x 50 mm x 34 mm	

\* Note: Actual battery life may vary with product settings, operating environment, and usage patterns.

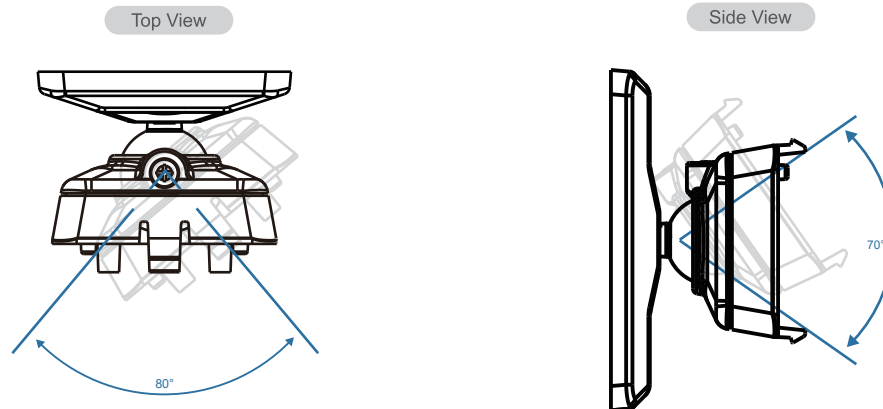
#### IR-29

Models	IR-29	IR-29SL
Frequency	868 MHz / 433 MHz	
Power Source	1.5V AA Alkaline x 2	3V CR123 lithium battery x 1
Battery Life	5.9 years* (433MHz) 5.2 years* (868.35MHz) 4.2* years (868.6375MHz)	5.9 years* (433MHz) 5.1* years (868.35MHz) 4.1* years (868.6375MHz)
Detection Range	12 meters over a 110° angle	
Mounting Height	1.9m-2.0m	
Mounting Options	Wall / Corner mount Optional accessory: Rotating holder	
Rotating Angles (with Rotating Holder only)	Vertical: 70° angle Horizontal: 80° angle	
Operating Temperature	-10°C to 45°C (14°F to 113°F)	
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*Compatible with Rotating Holder (Optional)*



### Ordering Information

<b>IR-29SL-F1</b>	PIR Motion Detector powered by one CR123 battery and compatible with Climax F1 gateway
<b>IR-29SL</b>	PIR Motion Detector powered by one CR123 battery
<b>IR-29-F1</b>	PIR Motion Detector powered by two Alkaline batteries and compatible with Climax F1 gateway
<b>IR-29</b>	PIR Motion Detector powered by two Alkaline batteries
<b>Rotating Holder</b>	Optional mounting accessory