

IRM(P)-23 Dual-Tech Indoor Motion Sensor Series

Enhance Detection Accuracy and Eliminate False Alarms



- PIR and microwave sensors
- High sensitivity
- Extensive RF range
- Long battery life

IRM(P)-23 Series introduces dual-tech indoor motion sensors that combine one passive infrared (PIR) sensor with a microwave sensor to powerfully enhance the sensitivity and accuracy of detection. These detectors trigger alarms only when both their PIR and microwave sensors are tripped. This mechanism that dually verifies alarm conditions radically reduces the detectors' susceptibility to environmental disturbances and prevents nuisance alarms. The pet-immune models, IRMP-23 series, further provide pet immunity up to 27 kg (59 lbs) to effectively rule out false alarms.

IRM(P)-23 Series' F1 models, which adopt Climax's cutting-edge F1 technology to deliver extensive RF communication range, can be flexibly deployed across large or complex premises to monitor suspicious movements. Compatible with Climax's F1 control panels, the IRM(P)-23 Series' F1 models also feature fast signal transmission and up to 10 years of battery life.

The microprocessor-controlled IRM(P)-23 models, whose adaptive coverage area ranges from 3 to 12 meters, employ the advanced ADSP algorithms to maintain stable and sensitive detection regardless of changes in the environment. Automatic power saving mechanism and low battery detection reinforce the sensors' cost-effectiveness and reliability.

Features

- Combines one PIR sensor with a microwave sensor
- Activates alarms only when both the detector's PIR and microwave sensors are tripped
- Extensive RF range (F1 models)
- Pet Immunity
- Fast signal transmission (F1 models)
- Advanced adaptive digital signal processing (ADSP) algorithms
- High RFI/EMI immunity
- Adaptive detection range: 3 to 12 meters
- Detection angle: 110° angle
- Optional mounting accessory: Rotating Holder
- Long battery life
- Automatic power saving mechanism
- Low battery detection
- Temperature compensation
- Wall- or corner-mounted
- Self-supervision and self-testing
- Tamper protection against sabotage
- LEDs display operational status
- Low and compact profile
- EN50131 Grade 2, Class II certified

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Specifications

IRM(P)-23-F1 Series

Models	IRM(P)-23SSL-F1	IRM(P)-23SL-F1	IRM(P)-23-F1
RF Frequency	433MHz / 868MHz		
Microwave Frequency	10.525 GHz		
Power Source	L91 1.5V lithium battery x 2	CR123A 3V lithium battery x 1	1.5V alkaline battery x 2
Battery Life*	8.2 years (433MHz) 9 years (868MHz)	4.3 years (433MHz) 4.3 years (868MHz)	4.5 years (433MHz) 5.2 years (868MHz)
Power Input	3V DC		
Detection Method	Single (two elements) PIR and microwave pulse Doppler		
Installation Height	2m		
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	63 mm x 112 mm x 62 mm		

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

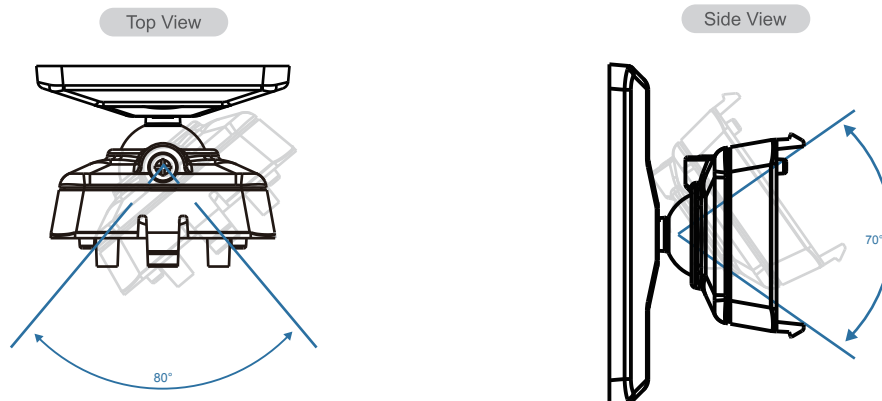
IRM(P)-23 Series

Models	IRM(P)-23SSL	IRM(P)-23SL	IRM(P)-23
RF Frequency	433MHz / 868MHz		
Microwave Frequency	10.525 GHz		
Power Source	L91 1.5V lithium battery x 2	CR123A 3V lithium battery x 1	1.5V alkaline battery x 2
Battery Life*	7.7 years (433MHz) 5.3 years (868MHz)	4 years (433MHz) 2.7 years (868MHz)	4.7 years (433MHz) 3.2 years (868MHz)
Power Input	3V DC		
Detection Method	Single (two elements) PIR and microwave pulse Doppler		
Installation Height	2m		
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

IRM-23-F1	Dual-Tech Indoor Motion Sensors with alkaline battery power
IRM-23SL-F1	Dual-Tech Indoor Motion Sensors with lithium battery power
IRM-23SSL-F1	Dual-Tech Indoor Motion Sensors with long battery life
IRM-23	Dual-Tech Indoor Motion Sensors with alkaline battery power
IRM-23SL	Dual-Tech Indoor Motion Sensors with lithium battery power
IRM-23SSL	Dual-Tech Indoor Motion Sensors with long battery life
IRMP-23-F1	Dual-Tech Indoor Motion Sensors with pet immunity and alkaline battery power
IRMP-23SL-F1	Dual-Tech Indoor Motion Sensors with pet immunity power and lithium battery
IRMP-23SSL-F1	Dual-Tech Indoor Motion Sensors with pet immunity and long battery life
IRMP-23	Dual-Tech Indoor Motion Sensors with pet immunity and alkaline battery power
IRMP-23SL	Dual-Tech Indoor Motion Sensors with pet immunity and lithium battery power
IRMP-23SSL	Dual-Tech Indoor Motion Sensors with pet immunity and long battery life
Rotating Holder	Optional mounting accessory