

IRMP-23 Pet-Immune Dual-Tech Indoor Motion Sensor Series

Enhance Detection Accuracy and Eliminate False Alarms



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

IRMP-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. IRMP-23 provides pet immunity up to 27 kg (59 lbs) to effectively rule out false alarms.

IRMP-23-F1 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 IRMP-23-F1 Series also features fast signal transmission and up to 10 years of battery life.

The microprocessor-controlled IRMP-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)
- 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
- Pet immunity up to 27 kg (59 lbs)
- 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

IRMP-23 Pet-Immune Dual-Tech Indoor Motion Sensor Series

Specifications

IRMP-23-F1 series

Models	IRMP-23SSL-F1	IRMP-23SL-F1	IRMP-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		
Current Draw (Standby)	30uA		
Current Draw (Active)	30mA max.		
Detection Method	Single (two elements) PIR and microwave pulse Doppler		
Installation Height	2m		
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.

IRMP-23 series

Models	IRMP-23SSL	IRMP-23SL	IRMP-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		
Current Draw (Standby)	30uA		
Current Draw (Active)	30mA max.		
Detection Method	Single (two elements) PIR and microwave pulse Doppler		
Installation Height	2m		
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.

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Ordering Information

IRMP-23-F1 series (compatibility with F1 control panels and extensive RF range)

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 and lithium battery power
IRMP-23SSL-F1	Dual-Tech Indoor Motion Sensors with long battery life and pet immunity

IRMP-23 series

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 long battery life and pet immunity