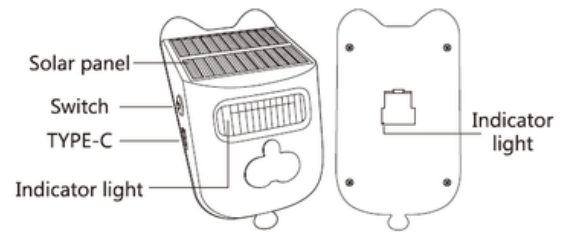


## 2001 (Solar Powered PIR Motion Detector)

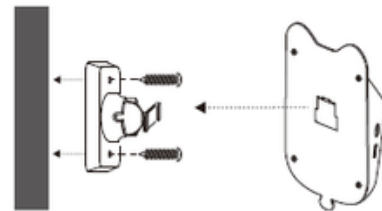
The Solar Wireless PIR Motion Sensor is designed to provide reliable outdoor motion detection using passive infrared technology. It detects human movement efficiently and is suitable for security monitoring, perimeter protection, and alarm system integration.

The device operates using solar energy, allowing continuous operation with low power consumption. Its wireless design enables easy installation without complex wiring, making it ideal for residential, commercial, and industrial outdoor environments.

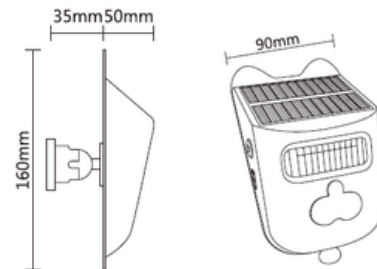
Built with durable materials, the sensor is designed to withstand outdoor conditions while maintaining stable performance. It offers dependable detection capability and supports long-term operation in security and monitoring applications.



### Mounting Features



### Dimensions (mm)



### Key Features

- Passive Infrared (PIR) motion detection technology
- Solar-powered operation with integrated rechargeable battery
- Wireless communication capability
- Reliable outdoor performance
- Low power consumption design
- Wide motion detection coverage
- Easy installation and maintenance
- Durable weather-resistant housing

### Technical Data

Connections		
Communication	Wireless communication module	
Wireless transmission distance	40-100 m	
Detection distance	Low sensitivity	3-5 m
	Medium sensitivity	5-10 m
	High sensitivity	10-12 m
Working frequency	2.4 ghz	
Detection angle	120°	
Internal connection	Integrated connection between PIR sensor, control module, and power system	
Pairing settings	This device can be paired with up to 32 ROCKGATE wireless relays (excessive electromagnetic noise may reduce the communication area).	

Operating and Storage Conditions	
Ambient temperature	-30 °C to +60 °C
Storage temperature	-30 °C to +70 °C
Illuminance	Designed for outdoor daylight operation

Power Supply	
Power source	Integrated solar panel
Battery type	3.7 V / 500 mAh rechargeable battery
Charging method	Solar charging
Working voltage	3.0 V – 4.2 V
Sensor voltage	DC 5 V
Solar panel specification	Monocrystalline silicon 5.5 V / 100 mA
Power consumption	Low power consumption design

Mechanical Data	
Dimensions	160 mm x 90 mm x 55 mm
Housing material	ABS - IP55

Conformity and Standards	
Conformity	CE UK
EMC emission	EN 55032
EMC immunity	EN 61000-6-1
Safety	EN 62368-1
Environment	Complies with RoHS directive