



# EVERSPRING SP201 PIR Motion Detector Instruction Manual

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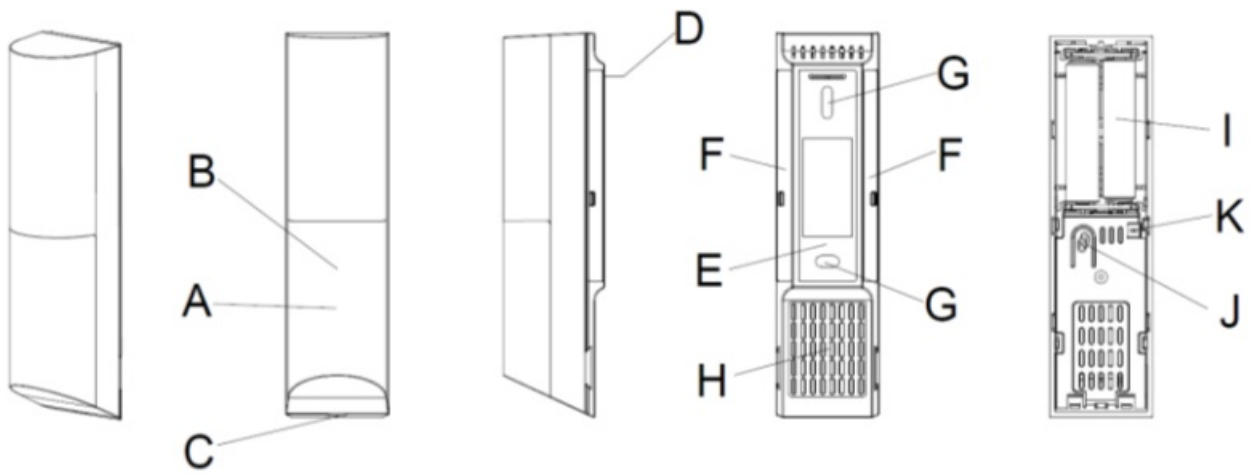
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## General Introduction

The SP201 PIR Motion Detector is uses a Passive Infra-Red (PIR) sensor to detect motion, along with a temperature & humidity sensor to fulfill the needs of home security and home automation applications. Its great compatibility with our U-Net family security products makes it suitable for smart home cloud based platforms.

### Product Overview

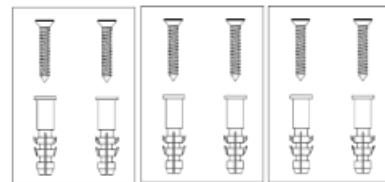


A. LED indicator	G. Screw mounting hole
B. PIR sensor	H. vent
C. Slot	I Battery
D. Battery mylar	J Learning button
E. Backplate	K Tamper
F. corner mount surface	

## Accessories



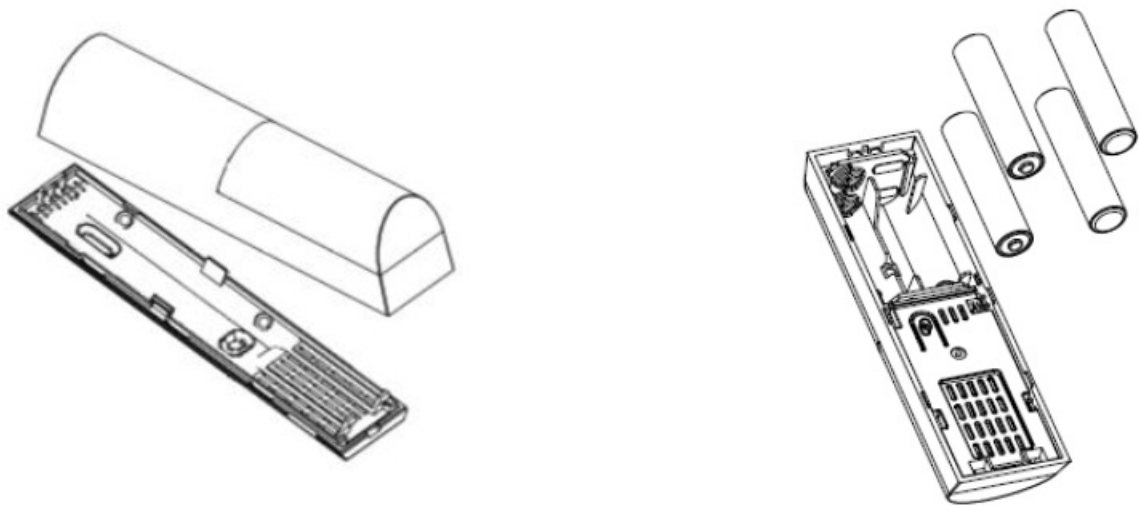
3M wall mount tapes



Screws

## Pairing to controller

1. Use a screwdriver to open the back plate and insert 4 AAA batteries as shown below.



2. Log into the VIAS account from the APP, and enter the gateway to system main control page.
3. Select Menu List>System Setup>ADD DEVICE>choose "Installation" on PIR.
4. Please follow and complete the instruction on the APP to binding with central gateway.
5. Locate the learning button "J" (see Product Overview). Do not activate pairing on the controller yet.
6. Press and hold the learning button for more than 3 seconds until the LED flashes moderately then release the button.
7. Quickly activate pairing on the controller. The LED should stop blinking indicating the pairing process is complete.

## Mounting

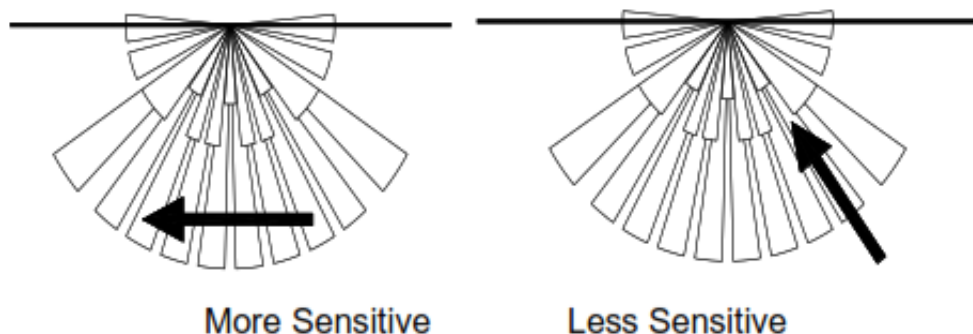
### Choosing a location

The detector is suitable for mounting indoor in dry interior locations only.

When considering a location for the detector the following points should be considered:

- Do not locate the detector facing a window or where it is exposed to or facing direct sunlight. PIR detectors are not suitable for use in conservatories.
- Do not locate the detector where it is exposed to ventilators.
- Do not locate the detector directly above a heat source, (e.g. fire, radiator, boiler, etc).
- Do not locate the detector in a position where it is subject to excessive vibration.

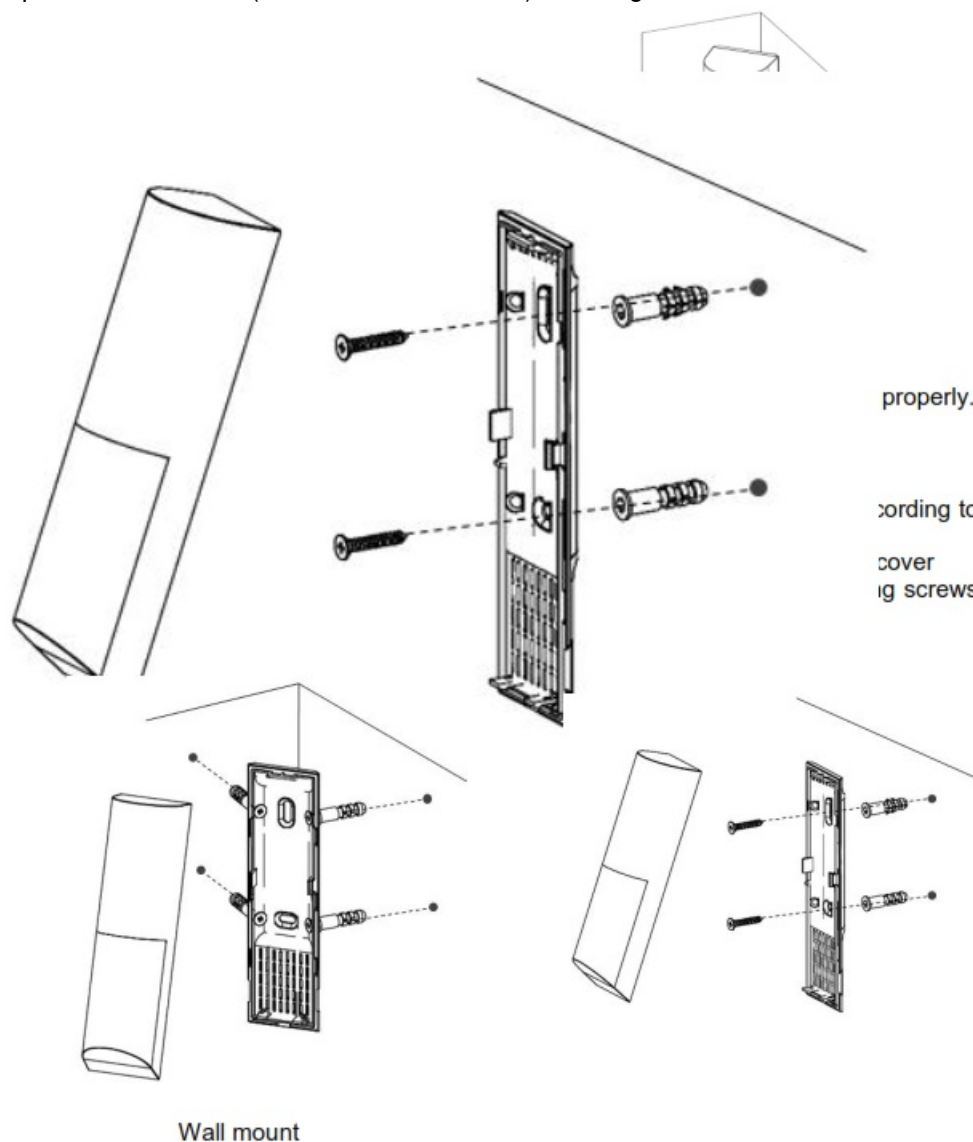
Where possible, mount the detector in the corner of the room so that the logical path of an intruder would cut across the detection zone. PIR detectors respond more effectively to movement across the detection area than to movement directly towards the sensor.



Mount the PIR detector at height of 1.8m. At this height, the detector will optimize the detection range of up to 8m with a field of view of 90°.

#### **Mounting by tape:**

1. Stick the 3M tapes on surface "F" (see Product Overview) then align SP201 onto the wall corner.



4. Align the top of the detector to clip it onto the top edge of the back plate. Then push the bottom edge of the detector into place and refit the fixing screw at the bottom secure into position
5. Use the controller's smartphone app to test the detector to ensure it is working properly.

#### **Maintenance**

Low Battery: When the battery becomes low, it will report to the controller

#### **Software reporting commands**

Battery condition	Auto report battery condition to controller every hour.
Status change	1.PIR trigger: SP201 would report to controller. 2.Sudden change of temperature over 2 degrees: SP201 would report to controller.
Temperature and Humidity report	SP201 will detect every 5 minutes and report every 30 minutes. The report period can be set from 300 sec- 3600 sec. through the controller.
Operation mode	Warm up time is 1 minute, LED would flash 3secs/time during the period. When it's ready, the LED would flash for 5 secs.
PIR trigger period	1. Can be set between 30sec to 3600 sec. 2.Default: 1st Re-Trigger time is 30 sec, 2nd Re-Trigger time is 60 sec , 3rd and so on Re-Trigger time is 120 sec, If there's no PIR trigger over 120sec,then the trigger time would return to 1st trigger of 30 sec.

## Troubleshooting

The troubleshooting table lists some possible causes and solutions. Please contact your original retailer or nearest service center if the below solutions cannot solve your problem.

Symptom	Possible Cause	Recommendation
LED cannot be displayed	No power.	Check if batteries are inserted correctly or replace with new ones.
The detector is not working	The PIR detector cannot communicate with the controller.	Place the PIR detector closer to the controller.
LED does illuminate, appliance does not respond	Binding with controller did not complete successfully.	Bind again using manual binding

## Reset to Factory Settings

1. Press and hold the learning button for 3 or more seconds, and the detector LED will start to flash.
2. Press and hold the link key for 6 or more seconds within 30 seconds until the LED turns off. The device is now reset back to factory mode

## Specifications

Operating temperature range	-10°C to 40°C
Operating humidity	85% RH at 30°C
PIR Detection Coverage	Up to 8m x 90° (at 1.8m mounting height & below 25°C)
Battery type	AAA alkaline 1.5V *4
Warm Up Time	About 1 minute
RF Frequency	868 MHz Band range (EU) 923 MHz Band range (US)
RF transmission range	Up to 800m (Open space)
FCC ID	FU5SP201-2
IC	23210-SP2012

\*\* Specifications are subject to change without notice.

**WARNING:**

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal free of charge.

**CAUTION:**

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Federal Communication Commission Interference Statement

**FCC warning:**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference,
2. this device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

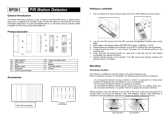
**Industry Canada statement:**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.



## Documents / Resources

	<a href="#">EVERSPRING SP201 PIR Motion Detector</a> [pdf] Instruction Manual SP201-2, SP2012, FU5SP201-2, FU5SP2012, SP201 PIR Motion Detector, SP201, PIR Motion Detector, Motion Detector, Detector
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## References

- [Everspring –](#)