

PIR Sensor - Wireless Manual

Model: PIRW



We extend a warm welcome to you on becoming a part of the Copper Connections family. Our service support Engineers shall be working hard through our channel partners to ensure your satisfaction with the product and after sales services. We welcome your feedback / query at service@copperconnections.com

Features

Detects any movement in front of its lens

When there is any movement in front of the unit, it gives out put to the Burglar Alarm System's Main unit.

Battery Low Indication

When the Battery of PIR Sensor gets low, its LED starts blinking. At the same time it send a wireless message to the main unit. The main unit then has the capability to inform the user about the Sensor ID whose Battery has gone low. At the same time, main unit would give message on its display along with a mild beep.

Note: However, SMS message is not to be relied upon and low battery LED indication on the sensor should be checked periodically.

Installation

- Install it at a height of 1.8- 2.5 M above the ground, and then adjust detecting angle and direction. The Horizontal detecting span of the PIR is 110°.
- The distance between the Main Unit and Wireless sensors would be maximum when there is minimum interference of concrete walls, electric appliances etc.
- Open the front cover of the unit and insert the 2 pin female connector into its respective Male connector.
- Register it in the Main Unit of the Burglar Alarm System as explained under the heading "Wireless Sensors, Remotes & Panic Keys Registering/Deletion / Deletion" in the Manual of Burglar Alarm System.
- There is a wall stand provided with the unit. Unscrew the upper half portion of the Wall Stand. Fix the upper and lower portion of the wall stand on wall with screws.
- Now fix the PIR into the wall stand by sliding the back side of PIR over the stand.

Precautions:

- Do not install more than two motion detectors in the same area. They may get self-triggered in some cases.
- Do not install near IR Camera
- It is recommended to not to install the PIR Motion Detector in following conditions:
 - Facing direct sunlight or any heat source
 - Exposed to air drafts
 - Out Doors
 - Close to Air Conditioners
 - Facing windows
 - Areas having sudden temperature change
- When the detector is installed in high temperature areas, it should face the area where the temperature is lowest.
- If there are lot of interference's in the area, decrease the operating range to minimum distance.
- To prevent triggering of the system due to the movement of small animals, adjust the detecting area above 30 cm from the ground.
- Moving of curtains within the detecting area will trigger the alarm.
- Wireless Sensors should be placed such that rain or water doesn't fall on it.

Power Saving Mode

Adjust re-detecting time to 5 seconds, 50 seconds or 5 minutes. This time means the interval between two contiguous alarms.

| Trigger Time Interval | |
|--------------------------------------|------------------------------------|
| Jumper towards Legend J1 mark on PCB | 5 s |
| Jumper towards GND mark on PCB | 50 s |
| No Jumper | 5 min (Default- Power Saving Mode) |

Registering the PIR with Burglar Alarm System

To register the PIR in Burglar Alarm system, press ON-OFF Switch of PIR. This switch is to be pressed when it is required to be triggered as per the Manual of the "Burglar Alarm System".

This switch is only an option. It can also be registered by triggering it with any movement in front of it.

Maintenance

- Periodically check Sensor for low battery. Whenever the Battery Low LED indication gets ON, replace the battery.

Technical Specifications

| | | | |
|-------------------|----------------------|---------------------|-------------------------|
| Power Supply | 6V DC | Working Temperature | 10°C to +50°C |
| Frequencies used | 866 MHz | Ambient Humidity | 95% Maximum |
| Wireless Range | 300 ft in open area. | Detecting Angle | 99° Wide & 65° Vertical |
| Standby current | 17 Micro A | Detecting distance | 12 meter |
| Intrusion current | <= 8 Ma | | |

Note:

- Copper Connections Pvt. Ltd reserves the right to alter equipment specifications and descriptions contained herein and make no commitment to update or keep current the information herein.
All information herein is subject to change at any time without notice. No part of this publication shall be deemed to be part of any contract or commitment whatsoever.
- Product specifications and features are subject to changes without prior notice due to our constant endeavor to improve the product.

Terms of Warranty

Copper Connections Pvt. Ltd warrants that this product is manufactured under stringent quality standards, making it free from defects in material and workmanship, as per the following terms and conditions:

1. The limited warranty for the system is valid for a period of twelve months from the date of purchase or fifteen months from the date of manufacture which ever is earlier.
2. The limited warranty extends only to the original consumer/ purchaser of the product and is not assignable or transferable to any subsequent purchaser/ end user.
3. During the limited warranty period, Copper Connections Pvt. Ltd or its authorised service network will repair or replace, at Copper Connections Pvt. Ltd option, any defective product or parts thereof with a new or factory rebuild replacement items and return the product to the consumer in working conditions. No charge will be made to the consumer for either parts or labour in repairing or replacing the product. All replaced parts shall become the property of Copper Connections Pvt. Ltd.
4. Repaired product will be warranted for a balance of original warranty period.
5. Upon request from Copper Connections Pvt. Ltd or its authorised service centre, the consumer must provide purchase receipt or other information to prove the date and place of purchase.
6. This Burglar Alarm System (like any other commercial or residential alarm system) does not guarantee protection against burglary, fire or other emergency because of variety of reasons.
A properly installed and maintained system may reduce the risk of a burglary, robbery, fire or other events, but it is not an insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.
7. In no case shall seller be liable to anyone for any consequential or incidental damages for breach of this warranty, even if the loss or damage is caused by the seller's own negligence or fault. Consequently, seller shall have no liability for any personal injury, property damage or other loss based on a claim "The product failed to give warning / alarm". However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this warranty or otherwise regardless of cause, seller's maximum liability shall not in any case exceed the purchase price of the product.
8. The consumer shall have no benefit or coverage if any of the following conditions are applicable:
 - a) The product has been subjected to abnormal use, abnormal condition, improper storage, exposure to excessive temperature, moisture, dampness or fire etc., unauthorised modifications, unauthorised connections, unauthorised repairs.
 - b) Copper Connections Pvt. Ltd was not notified by consumer of the alleged defect or malfunction of the product during the limited warranty period.
 - c) The product was used with or connected to equipment not fit for use with Copper Connections Pvt. Ltd system or used in other than its intended use.
 - d) **INCASE HIGH VOLTAGES APPEAR ON EARTH.**
 - e) **THE DAMAGE IS CAUSED BY LIGHTENING OR DUE TO SPIKES/ SURGES/ HIGH VOLTAGES FROM AC MAIN SUPPLY.**
9. The consumer may contact the authorised dealer to call the service personnel for carrying out repairs or maintenance and the same would be attended within a reasonable response time assigned to the dealer. The consumer will be billed for parts or labour charges not covered by this limited warranty.
10. The consumer will be billed for parts or labour charges not covered by this limited warranty.
11. If the product is brought to Copper Connections Pvt. Ltd for repairs, after the warranty period, Copper Connections Pvt. Ltd normal service policy shall apply and customer shall be charged accordingly.
12. In no event shall Copper Connections Pvt. Ltd or their authorised dealer be liable for special or consequential damages or any delay in the performance of this warranty due to causes beyond their control. Copper Connections Pvt. Ltd shall not be liable for incidental or consequential damage or a loss of anticipated benefits or profits, loss or impairment of privacy of conversation, work stoppage or loss or impairment of data arising out of the use or inability to use the product. Company's liability in no event and under no circumstances shall exceed the price paid to the company for goods stated in the invoice.
13. Copper Connections Pvt. Ltd neither assumes nor authorises any authorised service centre or any person or entity to assume for it any other obligation or liability beyond what is expressly provided by this limited warranty. All warranty information, product features and specifications are subject to change without prior notice.
14. Any dispute arising out of this warranty shall be subjected to jurisdiction of the arbitrator within the city of Delhi.
15. The decision of Copper Connections Pvt. Ltd on defects, damages etc shall be final and binding on the parties and no dispute regarding this, could be agitated before any civil court.

Version: PIRW-10

An ISO:9001:2008 Certified Company

Copper Connections Pvt. Ltd

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A properly installed and maintained system may reduce the risk of a burglary, robbery, fire or other events, but it is not an insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.
22. In no case shall seller be liable to anyone for any consequential or incidental damages for breach of this warranty, even if the loss or damage is caused by the seller's own negligence or fault. Consequently, seller shall have no liability for any personal injury, property damage or other loss based on a claim "The product failed to give warning / alarm". However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this warranty or otherwise regardless of cause, seller's maximum liability shall not in any case exceed the purchase price of the product.
23. The consumer shall have no benefit or coverage if any of the following conditions are applicable:
 - f) The product has been subjected to abnormal use, abnormal condition, improper storage, exposure to excessive temperature, moisture, dampness or fire etc., unauthorised modifications, unauthorised connections, unauthorised repairs.
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