

## PIR Sensor - Wired Manual

Model: PIRWRD



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](mailto: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.

#### **Built-in Temper Switch**

If it is wired with 4 wires and its Temper points are connected to a 24 hours ARMED zone of Burglar Alarm System then it will alert the user on being removed by anyone.

#### **Sensitivity Adjustment**

Its sensitivity can be adjusted to low or high.

#### **Trigger Time Interval Adjustment**

The time interval between two contiguous triggers can be adjusted.

### 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°.
- 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.

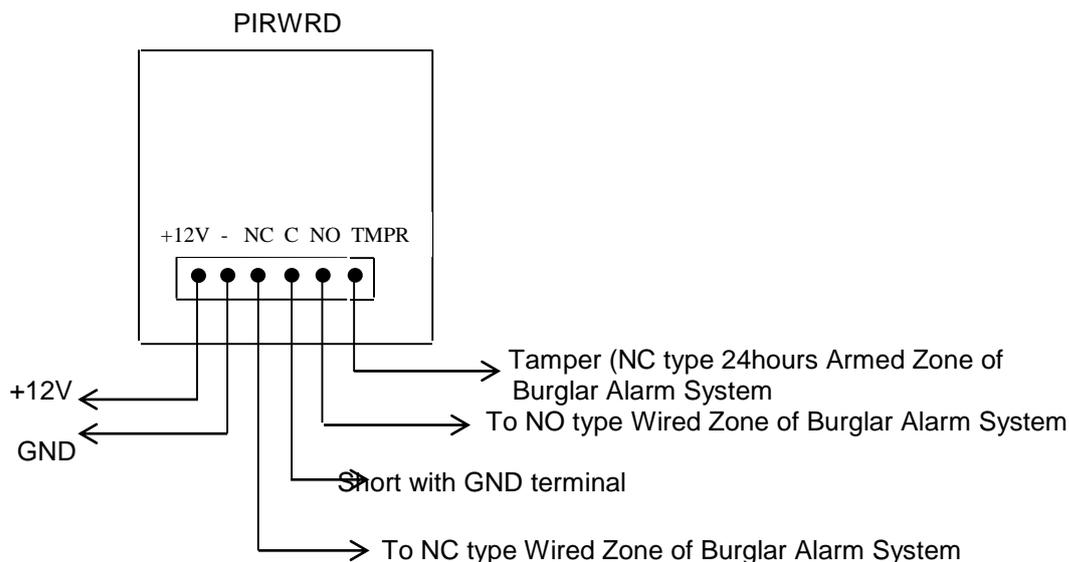
#### **- Connections**

Connect "+12V" & "-" marked terminals to auxiliary wire of BAS/ adaptor/ output of BAS-PS-A or BAS-PS-B.

Short "-" terminal with "C" terminal using a wire.

Connect the terminal marked as "NC" to NC type wired Zone of Burglar Alarm System.

Connect terminal marked as "TAMPER" to a NC zone of Burglar Alarm System in Always Armed mode.

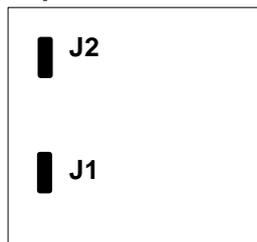


**Precautions:**

- Do not install more than two motion detectors in the same area. They may get self-triggered in some cases.
- It is recommended to not to install the PIR Motion Detector in following conditions:
  - Facing direct sunlight
  - Facing 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.

**Sensitivity Adjustment**

The sensitivity of the PIR can be adjusted by Jumper J2.

**Jumpers on PCB**

Jumper Position	Sensitivity
Jumper on top two pins, last pin left free	More Sensitive
Jumper on bottom two pins, top pin left free	Less Sensitive

**Trigger Time Interval Adjustment**

Adjust re-detecting time to 5 seconds, 50 seconds or 5 minutes. This time means the interval between two contiguous alarms. This adjustment can be made by Jumper J1.

Jumper Position	Trigger Time Interval
Jumper on top two pins, last pin left free	5 s
Jumper on bottom two pins, top pin left free	50 s
No Jumper	5 min (Default- Power Saving Mode)

**Technical Specifications**

Power Supply	12V DC
Standby current	80-100 uA at 12V DC
Intrusion current	70 mA at 12V DC
Detecting distance	12 mtr at 25°C
Alarm Output	NC / NO Type
Working Temperature	10°C to +50°C
Ambient Humidity	95% Maximum
Detecting Angle	99° Wide & 65° Vertical

**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 whichever 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.

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An ISO:9001:2008 Certified Company

**Copper Connections Pvt. Ltd**

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