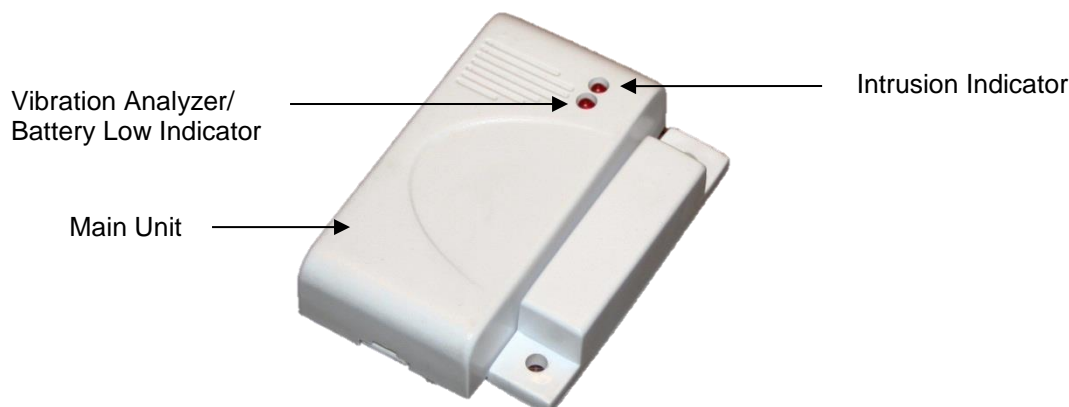


## Vibration Sensor – Wireless Manual

Model: VSW



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

**Senses Vibration on any surface** – Adjustable to very high sensitivity to Low Sensitivity (Almost eliminating the chances of false alarm. At the same time ensuring no slip in intrusion.

It detects slightest of Vibration and transmits intrusion signal to Burglar Alarm System. The sensitivity can be altered only by a trained service personnel.

#### Sensitivity Adjustment

The sensitivity of the sensor can be adjusted via jumper setting provided on the PCB. This allows user to set the intensity of vibration at which sensor will trigger.

#### Low Battery indication

When its Cell voltage goes low, its lower LED blinks continuously and the sensor gives a message to the Burglar Alarm system.

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

#### Provision to connect additional Wired Sensors

Extra wired sensors can be connected to it. This enables one Wireless Vibration Sensor to convert many wired Sensors into wireless, if they are clustered in a small area.

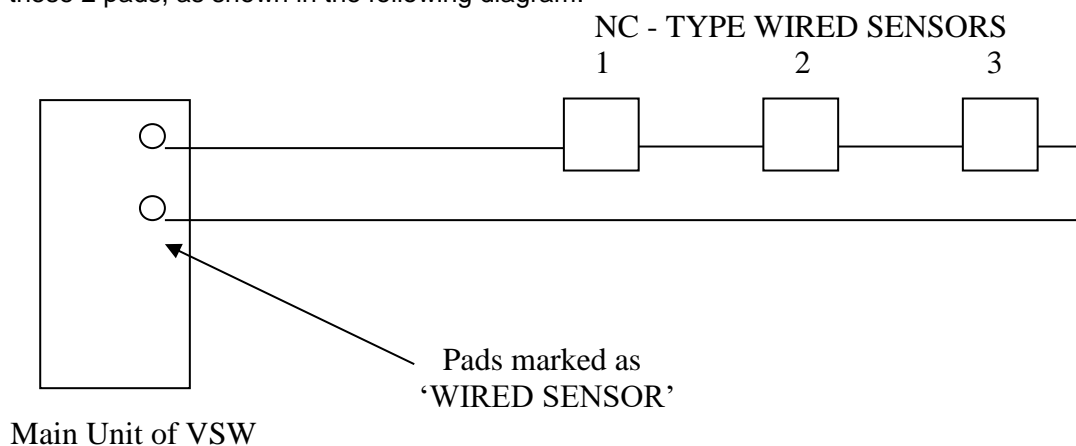
### Installation

- Pull out the plastic used to isolate cell from the side of sensor cabinet. The LED of VSW will glow once upon doing so.
- Take the sensor closer to Burglar Alarm System and register it as explained in "BAS Manual". Bring the sensor close to the main unit & give it a slight vibration to trigger the sensor.
- Peel off the paper from the self-adhesive tape from back and paste the unit on the glass of the window which is to be guarded.
- Additional Wired Sensor connections:

Open the main unit of the sensor and remove jumper from the legend marked as "Wired Sensor".

Solder 2 wires coming from NC type Sensor to the 2 pads where jumper was soldered earlier.

If more than one wired sensor is to be connected then connect the NC points of those sensors in series and terminate them on these 2 pads, as shown in the following diagram:



- **Sensitivity adjustment**

The sensitivity of VSW can be increased or decreased through Jumper settings as given below:

Remove back panel of VSW.

The Jumper on the top left corner of PCB is for major changes: Its position is shown below:

Jumper settings for major changes

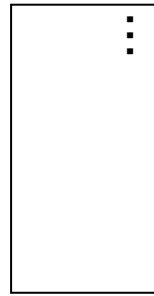
Least Sensitive



More Sensitive



Most Sensitive



Jumper settings for minor changes (**DO NOT Remove the below jumpers**)

Less Sensitive



More Sensitive



### Technical Specifications

Power Input	12V DC	Intrusion Current	2 mA
Wireless Range	300 Ft	Operating Temperature	-10°C to +50°C
Frequencies used	866 MHz	Operating Humidity	95% RH Maximum
Standby Current	5 Micro A		

**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:

- 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.
- 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.
- 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.
- Repaired product will be warranted for a balance of original warranty period.
- 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.
- 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.
- 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.
- The consumer shall have no benefit or coverage if any of the following conditions are applicable:
  - 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.
  - Copper Connections Pvt. Ltd was not notified by consumer of the alleged defect or malfunction of the product during the limited warranty period.
  - 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.
  - INCASE HIGH VOLTAGES APPEAR ON EARTH.**
  - THE DAMAGE IS CAUSED BY LIGHTENING OR DUE TO SPIKES/ SURGES/ HIGH VOLTAGES FROM AC MAIN SUPPLY.**
- 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.
- The consumer will be billed for parts or labour charges not covered by this limited warranty.
- 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.
- 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.
- 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.
- Any dispute arising out of this warranty shall be subjected to jurisdiction of the arbitrator within the city of Delhi.
- 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: VSW-8

ISO 9001:2008 Certified company  
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