

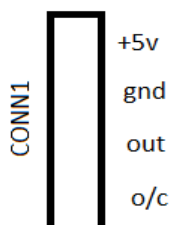
# 35A Current Sensor Module AC DC Split Through Case with Over-Current Detection

Product ID: VVM004  
Version: v1.1

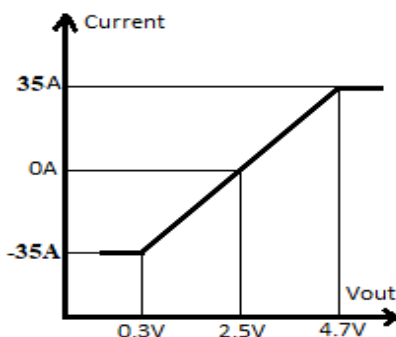
## Features:

- Hall Effect based current sensing based on WCS6800 sensor
- Can measure AC DC current very easily by removing sensor case, placing the wire and locking the sensor case
- DC current range: +/- 35A, AC current range: 25A RMS
- Output voltage proportional to AC and DC current, Sensitivity 65mV/A for 5v supply
- 11 x 8 sq. mm conductor pass through hole, board size is 49mmx30mm
- Over current value can be easily set using preset
- Green LED for power indication, red LED for over current detection
- Electrical Isolation 4000V
- Bandwidth > 20kHz, nearly zero magnetic hysteresis
- Typical Applications include Motor Control, Power Systems, Solar Systems, Battery Chargers, Electric Vehicles, Load Detection, Over current Fault Detection, etc

**Description:** VVM004 Current Sensor Module provides economical and precise current measurement solution for industrial and commercial applications. The module allows system designers to monitor any current path without breaking or changing original system. AC and DC current flowing through the split through 11 x 8 sq. mm hole will generate a magnetic field which is sensed and converted into a proportional voltage.

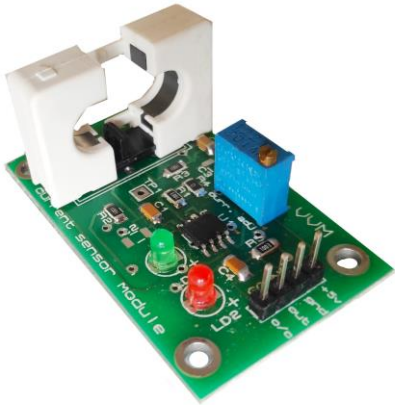


**+5v** : 5v Supply  
**gnd** : Supply Ground  
**out** : Output Voltage proportional to current, 65mV/A for 5v supply  
**o/c** : Over-Current Detection Digital Output, Low on Over-Current, High otherwise



$$\text{Current} = \frac{V_{\text{out}} - 2.5}{0.065}$$

Over Current can be detected by adjusting the preset for desired value of current. Turn preset clockwise to increase current range and anti-clockwise to decrease current range. On over current, o/c pin goes low and red LED glows. Over Current cannot be set for negative values of current



PULL CASE APART TO SPLIT, INSERT WIRE AND LOCK

CURRENT DIRECTION

