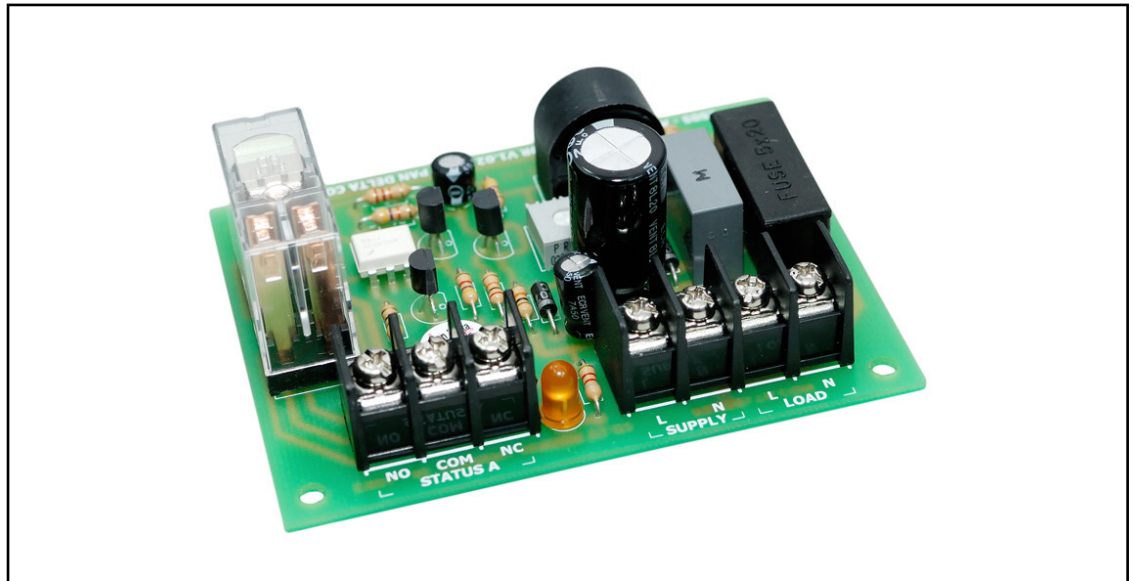


CS05 - AC Current Sensor



Overview

The CS05 AC Current Sensor uses a current transformer to sense the amount of current drawn by a load and activates a relay when the current exceeds a preset level (as low as 100 milliamperes). Because a current transformer is used instead of a shunt/burden resistor, the CS05 generates virtually no heat which makes it ideal for prolonged monitoring purposes.

Applications

- Status Monitoring of devices such as: Lights, Fans, Air-Conditioners, Solenoids, Valves, etc
- Energy Management Systems (EMS)
- Building Control Systems (BCS)
- Home Automation

Operation

Input voltage must be supplied at all times for proper operation. Adjust the desired trigger level by monitoring the load current while turning the adjustment knob until the LED lights up (indicating that the status relay is energized). The CS05 module is now configured and will turn the status relay on and off when the load current is above or below the preset trigger level respectively.

Specifications

Model	CS05 - AC Current Sensor
Sensor Type	Current Transformer
Input Supply	220 to 240 V _{AC} / 50 to 60 Hz
Output Supply (To Load)	Taken from Input Supply
Maximum Load Current	5 A (Fused)
Trigger Type / Range	Level Detection / Adjustable between 0.1 to 3 A ($\pm 5\%$)
Status Relay	SPDT, Potential Free (labeled as NO, NC and COM)
Dimensions (mm)	86 (W) x 66 (D) x 28 (H)