# E1049 1A VOLTAGE SENSITIVE SWITCH

This Unit provides a set voltage to switch a load of up to 1A.

The current drawn from the voltage source is < 1mA below the switching voltage.

The output switches On as the voltage rises and Off as the voltage falls.
The switch voltage can be set in the range 10.5V to 14.0V.

The Unit also can be used as a Solid State 1A Relay.

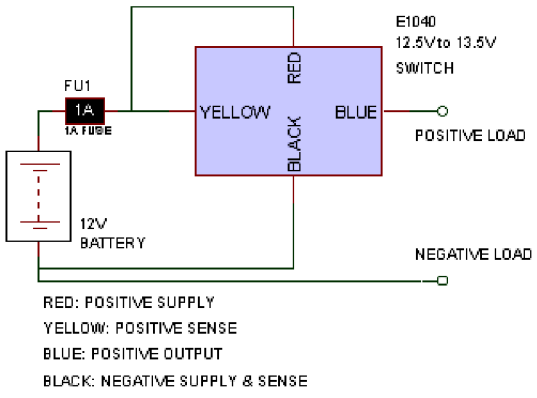
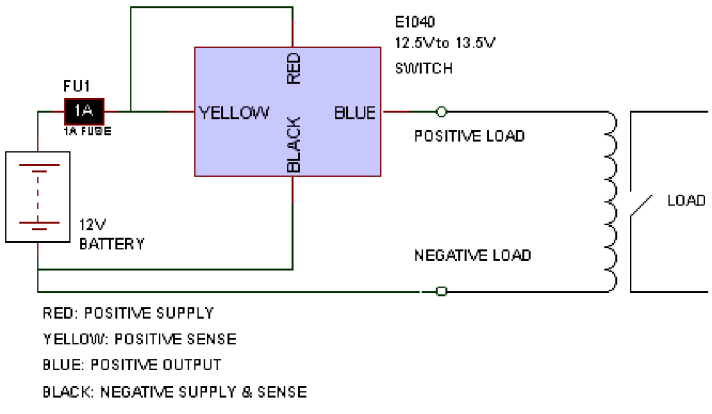
The Unit can be used for switching higher power by adding a relay - SEE WIRING DIAGRAM BELOW




Specification:

| Parameter | Value |
|---|---|
| Supply Voltage (Vin) | 10V to 15V |
| Output Current | 1A |
| Sense (Switch On) Voltage, factory setting | 10.6V (Voltage Rising) |
| Sense (Switch ON) Voltage, Adjustment Range | 10.5V to 14.0V |
| Sense Voltage Hysteresis | 200mV typical |
| Supply current, below switch voltage | < 1mA |
| Supply Current, Above Switch Voltage, No Load | < 5mA |
| Connections | Four Flying Leads<br>Red = Supply positive<br>Blue = Output<br>Yellow = Sense Input<br>Black = Sense negative / ground |
| Physical Dimensions | 62 x 42 x 13mm |
| Mountings | Single Ø 5mm Hole |

Wiring Diagrams

| Standard Wiring Diagram | The Unit also can be used as a Solid State 1A Relay.<br>The Unit can be used for switching higher power by adding a relay (as shown below) |
|---|---|
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