



Stop Switch Rectifier

APRS World, LLC

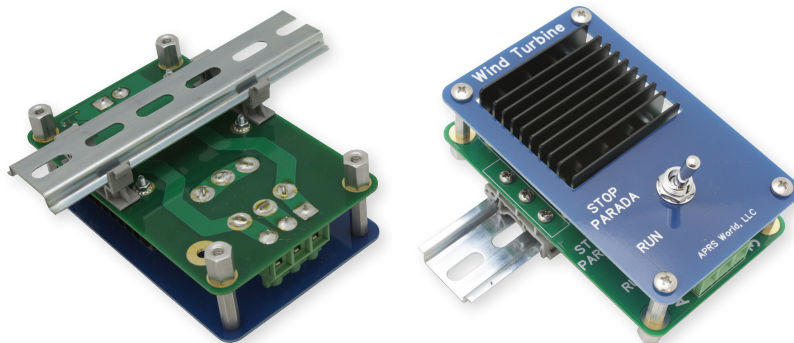
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The **Stop Switch Rectifier** is used to connect and control an AC output wind turbine to a DC load. The stop switch portion allows the wind turbine to be stopped during low winds by shorting the AC phase together. The rectifier portion is a high efficiency three phase bridge rectifier that converts the AC from the wind turbine to DC.

The Stop Switch Rectifier is used with direct battery charging wind turbines to connect the wind turbine to the battery. It can also be used with DC input MPPT charge controllers or DC input inverters.

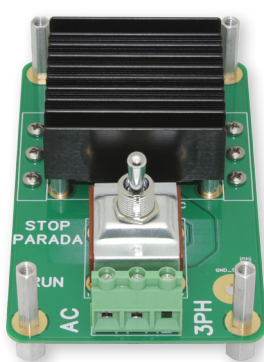
See the next page for detailed specifications along with a mounting template.



Top and Bottom View with Din Rail Attached



Stop Switch Rectifier



Internal Views



Stop Switch Rectifier

Part Number: APRS8550
Shipping Weight: .28 kg / .625 lb
RoHS: compliant



Winona, Minnesota

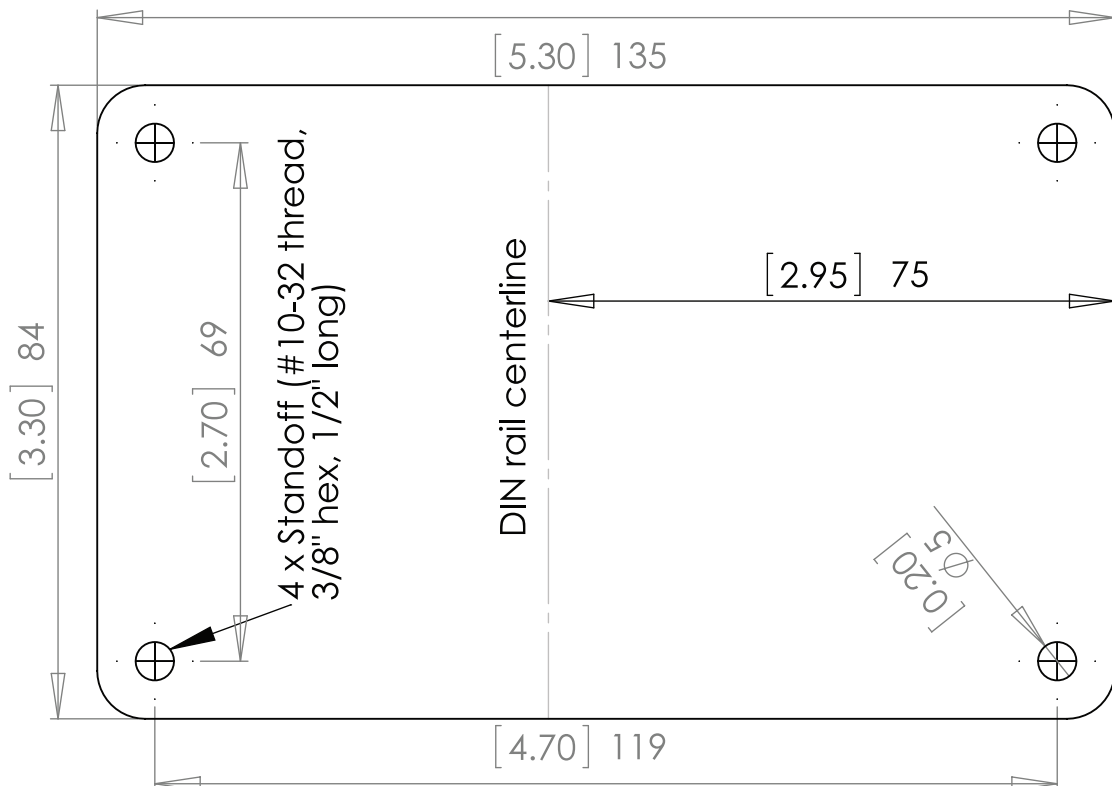
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| Stop Switch | |
|--|--|
| Purpose | Shorts all three phases together to stop turbine when switch is in "STOP" position |
| Type | Toggle, 17.5mm (0.7 in) toggle length, 25 degrees angle of throw |
| Rating | 25 amps at 125 VAC. 9A at 250 VAC. 20A at 30 VDC. |
| Contact Resistance | 10 milliohms maximum |
| Electrical Life | 25,000 operations minimum |
| Rectifier | |
| Purpose | Convert single or three phase AC to DC |
| Diodes | Six 600 volt, 15 amp ultra-fast |
| Heatsink | 61mm wide, 58mm tall, 24mm deep (2.4 x 2.3 x 0.9 in) |
| Connectors | |
| AC | 3 positions |
| DC | 2 positions |
| Rating | 30 amps at 600 volts |
| Wire Gauge | 10 to 30 AWG |
| Pitch | 9.53mm (0.375 in) |
| Torque | 0.5-0.6 Nm (4.4-5.3 lb-in) |
| Mounting | |
| Clips to 35mm DIN rail or four female #10-32 threads | |
| Weight and Dimensions | |
| Weight | 280 gram (10 oz) |
| Overall Dimensions | 84mm wide, 135mm tall, 70mm deep (3.3 x 5.3 x 2.76 in) |
| Materials | |
| Bezel | FR-4 fiberglass, 1.6mm (0.062 in) thick, blue with white printing |
| Circuit Board | FR-4 fiberglass, 1.6mm (0.062 in) thick, 2 oz copper, double sided, gold plated, plated through holes, green solder mask, white silk screen, UL 94V-0 flammability |
| Hardware | Stainless steel, aluminum, zinc plated steel |
| Regulatory Compliance | |
| Rohs Compliant; Made in USA | |

Mounting Template



Verify this line is 50.8mm / 2.00" inches long