



Dragon Fabrication

Hall effect crankshaft or camshaft position sensor., distinguished by its red anodized aluminum housing. Threads are M12 and mounting nuts included. Runs off 5 to 24 volts, and gives a nice square wave so there's no variable voltage issues. Has a 1 meter long, 3 wire pigtail.



PIN Outs

Brown – Supply voltage; connect to either VREF for 5 volt operation or 12 volt switched power.

Black – Output signal. On a MegaSquirt, connects to pin 24. We just set our MegaSquirt up for the VR conditioner and it works great. V3.0 MicroSquirts can also do this, but older MicroSquirts will need to use the Hall effect input. Note that this one requires a pull up resistor. This tees into both the supply voltage and the output signal wire. Use a 1K resistor when powering it with 5 volts or a 2.4K resistor when powering it with 12 volts.

Blue – Ground.

Specifications

Operating voltage: 5 to 24 volts

Maximum over voltage and reverse voltage: +30 to -24 volts

Maximum supply current required: 6 mA

Maximum output current sinking: 20 mA

Output type: Open collector

Maximum frequency: 15 kHz

Temperature range: -40 to +125 degrees C

Nominal air gap: 1.5 mm

Thread pitch: M12 x 1 mm

Overall length: 65.5 mm, not including wires

Package material: Aluminum

Sensor orientation: Not directional

Recommended tooth size is a rectangle measuring at least 2.5 mm x 6.35 mm, with a 5.0 mm tooth height.