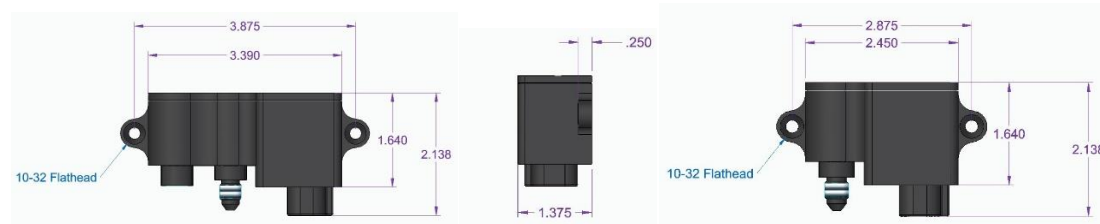


Single and Dual Remote Pressure Sensor Instructions

Thank you for purchasing RIFE remote mount sensors.

Installation:

Find an appropriate mounting position on the vehicle, mounting dimensions are found below. The Pressure sensors utilize 10-32 flathead screws (not provided). The mounting surface should be level and should not put the sensor housing under bending or torsional stress. The sensor housing may be mounted in any orientation. Torque mounting screws to 30-35 inch lbs.



Sensor connections:

The Pressure sensors are provided with either -3 AN or 1/8-27 NPT ports. -3 AN ports may be connected directly to suitable hoses or hardlines, be careful not to over-tighten the fittings, damage to fittings or housing may result. NPT ports must utilize an appropriate adapter to attach to the pressure source. Use a pipe sealing compound on NPT threads and be careful not to over tighten or damage may result. The use of Teflon tape is discouraged because the internal ports are very small and may clog from an errant piece of tape.

Wiring:

The Sensor housing utilizes a Deutsch™ DT series 6- pin connector. The mating connector is Deutsch™ part number DT06-4S. Connector pinout is shown below. Keep in mind the Sensor “1” is always closest to the wiring connector followed by sensor “2” as you move away from the wiring connector.

Note: MAXIMUM INPUT VOLTAGE IS 5VDC, EXCESSIVE VOLTAGE WILL DAMAGE SENSORS



Programming:

All RIFE remote mount sensors feature linear 0.5 – 4.5V outputs and may require calibration to accurately interface with your ECU/ Datalogger. Calibration data is available here: www.rifesensors.com/XXXXXXX. Effectively, the range minimum of the sensor is 0.5V with a linear slope to the range maximum at 4.5V. All sensors are accurate within 0.50% with a repeatability and linearity of 0.25%. Overpressure greater than 1.5X the range maximum may damage the sensor.