



Temperature Sensors

**-30F to 300F (Lo-AT) and Liquid
-10F to 485F (Hi-AT)**

Rife Sensors Temperature sensors come in a variety of mounting configurations, connection styles and feature the latest in fast response thermistor technology.

Installation:

Rife Sensors temperature sensors feature industry standard connections and should be installed by experienced personnel.

1/8, 1/4 and 3/8 NPT connections:

Use appropriate thread sealing compound prior to installing sensor, do not over-tighten.

M12 x 1.5 threaded connection:

Thread into factory location utilizing included aluminum crush washer, do not over-tighten.

1/4 – 28 UNF O-Ring connection:

Drill and tap desired location for ¼-28 UNF thread, Minimum thread engagement is .100". Make sure mounting area is flat enough for O-ring to seal (approx. 2" dia. Minimum) Thread sensor into port, do not over-tighten.

Wiring:

Direct Wire Sensors:

Wires are interchangeable, for consistency sake:
Gray – Temp 1 (Temperature sensor input to ECU)
White – Temp 2 (Sensor Ground.)

M5 Cable Connection:

Tip: pre-fit the cable to the sensor 1 time before installation, then disconnect the cable. The first installation can be a bit tight and pre-fitting the assembly makes it easier to connect the cable after the sensor is mounted.

There are 4 wires inside the cable, this is done so that the cable can be used for a variety of other sensors, for temperature sensors, 2 wires are used and they are interchangeable, for consistency sake:

Blue – Pin 3 - Temp 1 (Temperature sensor input to ECU)
Brown – Pin 1 - Temp 2 (Sensor Ground)

Looking at the sensor connection, Pin 1 is just clockwise from the alignment notch, pin 3 is diagonally across from pin 1.

Calibration:

Calibration data can be found at rifesensors.com/calibration