



Temperature Sensor and Converter Kit (P/N 307037, 307038, 307071, 307072)

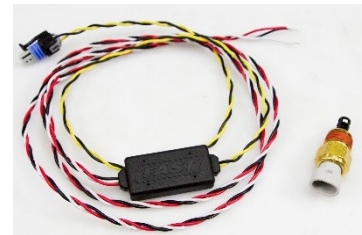
Thank you for choosing FAST® products. We are proud to be your manufacturer of choice. Please read this instruction sheet carefully before beginning installation, and also take a moment to review the included limited warranty information.

Description:

The FAST Air or Fluid Temperature Sensor Converter Kit provides a simple and cost effective way to measure air or fluid temperatures using a universal 0-5V output, perfect for any data logger or engine computer. Designed around the widely available GM style intake air or fluid temperature sensor, this kit is ideal for measuring parameters such as engine inlet air temperature, pre and post intercooler/heat exchanger temperatures, brake duct temperatures, and engine coolant or oil temperatures.

Part Number 307037 Kit Contents:

- 1 – Air Temperature Converter Module (Yellow Wire)
- 1 – Air Temperature Sensor



Part Number 307038 Kit Contents:

- 1 – Coolant Temperature Converter Module (Green Wire)
- 1 – Coolant Temperature Sensor



Part Number 307071 Kit Contents:

- 1 – Air Temperature Converter Module (Yellow Wire)



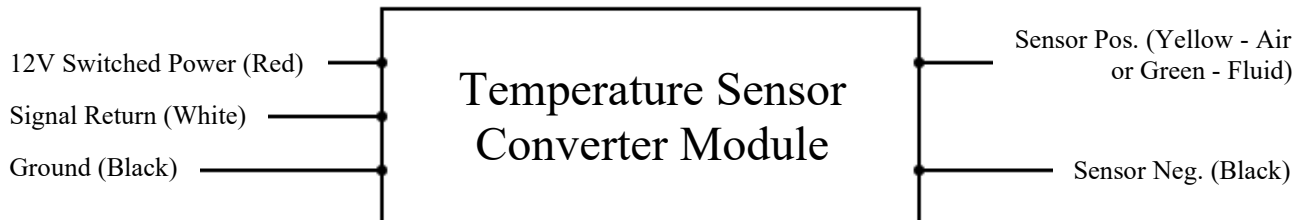
Part Number 307072 Kit Contents:

- 1 – Coolant Temperature Converter Module (Green Wire)



Installation:

1. Install temperature sensor in desired location (3/8" NPT). Check for leaks.
2. Disconnect negative battery terminal from battery.
3. Splice Red wire into a switched +12v power source.
4. Splice Black wire into sensor ground source.
5. Splice White wire into desired 0-5V analog input at ECU, Data Logger, etc.
6. Reattach negative battery terminal.
7. Input required calibration data into ECU, Data Logger, Etc.



Calibration:

CCOM WP – XFI 2.0

When Connected to a FAST XFI 2.0:

1. Connect the white wire to one of the Analog Auxiliary Input Signal pins.
2. Click File → Auxiliary Analog Sensor Setup. The menu displayed below should appear.
3. In the “Select Sensor” box, select the pin which the white wire was run to. AAUX1(V) is Analog Auxiliary Input Signal #1 etc. Then, type the desired sensor name in the “Edit Sensor Name” box. Fill out the rest of the boxes to match the menu shown below. Then click OK to save changes.

Other Applications:

The output of the sensor converter is linear from 0 °F to 300 °F

0v = 0°F

5v = 300°F

60°F / 1 Volt

CALIFORNIA PROPOSITION 65 WARNING

This product may contain one or more substances or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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