



**EV Air Core Pyrometer Installation Instruction**  
**(For Models R3607, R3607G, R3607T, R3607VW, R3707, R3707G)**  
**Refer To Installation Diagram Below**

**1) System Assembly**

Connect the 4-way male connector provided with the exhaust temp. amplifier and driving circuit box to the 4-way female connector provided with the gauge.

**2) Thermocouple Connection:**

Connect the red/white color (negative -) wire to the red thermocouple/leadwire.  
 Connect the yellow color (positive +) wire to the yellow thermocouple/leadwire.  
 For easy and effective wire connections, the above wires are provided with a set of screws and nuts.  
 Leadwire is available in lengths of 6', 10', 14', etc.

**IMPORTANT INSTALLATION NOTICE FOR LEADWIRE ONLY**

In order to connect the wires from the signal amplifier box to the top of the leadwire, it will be necessary to:

1. Bend the red wire up so as to make it even with the yellow wire.
2. Disassemble the nuts and screws.
3. Slide the fiberglass sleeves over the red and yellow wires.
4. Connect the leadwire and reassemble and tighten the nuts and screws.
5. Pull the fiberglass sleeves over the connections.

**3) Power Supply:**

Connect the red wire to the ignition (+) and the black wire to the ground (-). The supply voltage is 12V DC. Optional 24 volt pyrometer is available.

**4) Lighting:**

Two ¼" blade terminals are provided for lamp illumination. One blade terminal should be connected to ground and the other to existing dash, dimmer switch, or other existing instrument lighting. Bulb voltage must be the same as the system voltage.

**Connection Diagram**

