



UMA, Inc.
260 N. Main St.
Dayton, VA 22821
Phone 540-879-2040
Fax 540-879-2738

Aircraft and Medical Instruments

<http://www.umainstruments.com>

2 1/4 ELECTRICAL TEMPERATURE INDICATOR

12-X6X-XXX

Installation Instructions:

- Please read through instructions prior to starting installation process.
- Additional wire and fuses may be necessary for installation of unit.
- Use shielded wires with appropriate temperature ratings for installation.
- Route all wires away from sources of heat and moving parts, maintaining most direct path practical.
- Use wire ties as needed.
- HINT: Verify proper wiring and connection integrity during installation to avoid troubleshooting delays.

1. Mount indicator in desired location in aircraft's instrument panel.
2. Install temperature sensor in the proper location.

Units with WIRES in rear, wiring:

1. Connect positive power input to **RED** wire from a switched aircraft power source through appropriate fusing.
2. Connect negative from suitable aircraft ground to **BLACK** wire. These wires should be kept short.
3. Connect sender wires. (See note below. Refer to installation instructions of sender for details).

NOTE1: Thermistor type sender connect with one sender wire to the **white** gauge wire and the other sender wire to the **black** gauge wire. **Polarity doesn't mater.** TWIST WIRES ALL THE WAY!

NOTE2: Thermocouple type sender connect next:

RED wire from sender to GREEN wire on the gauge **(CHT & EGT)**
WHITE (CHT) or YELLOW (EGT) wire from the sender goes to WHITE wire on the gauge.
POLARITY IS IMPORTANT HERE!

Specifications:

Description: Remote indicating electronic temperature instrument.

Supply Voltage:	11-28 Volts DC (Nominal)
Current Draw:	150 mA (Maximum)
Accuracy:	± 3%
Weight:	4 oz

Warranty

UMA, Inc. warrants all products to be free from defects in material and workmanship under normal use and operation. UMA does not warrant any product which has been damaged as the result of accident, abuse, negligence, improper operational voltage, lightning, fire, flood, or other acts of nature. Any indication that the unit has been opened can void warranty. Under no circumstances shall UMA be liable for any loss or damage, direct, consequential or incidental, arising from the use of or inability to use this product.

This warranty is limited to the repair or replacement, at the manufacturer's option, of any product or part thereof, which has been returned to UMA within the specified warranty period, and which after examination shall disclose to the customer service department's satisfaction that the product is defective. Transportation to the factory or authorized service center must be prepaid; the product after repair or replacement, will be returned at the expense of the dealer or end customer. This warranty does not apply to any product or integral part thereof, which has been altered or serviced by other than the manufacturer or authorized service center.

The warranty period is twelve (12) months to the user.

This warranty supersedes all other warranties either expressed or implied and shall be governed and executed under the laws of the Commonwealth of Virginia, USA