



1 1/4" & 2 1/4" ELECTRONIC PRESSURE INDICATOR

Installation Instructions:

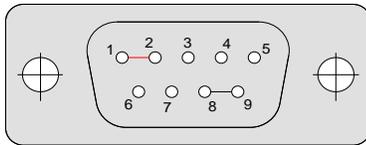
- All connections are to be made in accordance with AC 43.13.
- Additional wire and fuses may be necessary for installation of unit.
- Use shielded wires with appropriate temperature ratings for installation.
- Keep unshielded sections of wire as short as possible.

1. Mount indicator in desired location in aircraft's instrument panel.
2. Install pressure sensor in the proper location.
3. Connect the 9-pin connector to the shielded wire that will go to the sender. Connect Power Input wires to 9-pin connector.
4. These can be unshielded if kept short.
5. Connect power input wires to switched aircraft power through appropriate fusing.
6. If gauges have internal lighting, connect wires to lighting inverter.
7. Connect wire to sender. (Refer to Installation Instructions of Sender for details).

NOTE: UMA pressure senders for this gauge require power so there is a connection to Pin 3 (white/orange wire from the sender). The signal from the sender is Pin 5 and the sender is also connected to ground at Pin 8. If VDO sender has one connecting screw only, just connect to pin 5 and there is a ground thru the chassis already!!

Refer to drawing below for proper pin wiring

DB-9 CONN.



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|--------|--|---------|------------------------|
| Pin #1 | Voltage Input | +14±28V | } INTERNALLY CONNECTED |
| Pin #2 | Voltage Input | +14±28V | |
| Pin #3 | Regulated Voltage Output to the sender (Only when sender requires voltage) | | |
| Pin #4 | Negative Input Signal (Used for Thermocouple, Ammeter & Current Inputs) | | |
| Pin #5 | Positive / Primary Signal Input (Used in all gauges) | | |
| Pin #6 | AC EL. Lighting Input (Internal lighting ONLY) - Optional | | |
| Pin #7 | AC EL. Lighting Input (Internal lighting ONLY) - Optional | | |
| Pin #8 | GND | | } INTERNALLY CONNECTED |
| Pin #9 | GND | | |

Specifications:

Supply Voltage: 12-28 Volts DC (Nominal) 10-30 Volts DC (Max)
 Current Draw: 100 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