



## 1 1/4" & 2 1/4" ELECTRICAL PRESSURE INDICATOR FOR USE WITH PRESSURE SENDERS

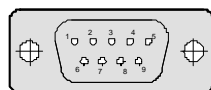
### Installation Instructions:

- 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. If the gauge has a nine Pin connector, shown below, connect as follows;  
Red (or orange) from sender to pin 3, Black (or blue) from sender to pin 8. White to pin 5.
4. Connect power input wire, Pin 1, to switched aircraft power through appropriate fusing. Connect Pin 9 to ground.
5. If gauges have internal lighting, connect wires to lighting inverter, Pins 6&7.

NOTE: Pressure senders for this gauge require power so there is a connection to Pin 3.  
The signal from the sender is Pin 5 and the sender is also connected to ground at Pin 8

### Refer to drawing below for proper pin wiring



As viewed from solder side of connector

#### PIN DESIGNATION F

- Pin 1 Voltage Input (14 or 28 volt systems)
- Pin 2 Voltage Input (Internally connected to pin 1)
- Pin 3 Regulated Voltage output to Sender (Only when sender requires voltage)
- Pin 4 Negative Input (Used for Thermocouple and Ammeter negative input)
- Pin 5 Positive / Primary Input (Used in all gauges)
- Pin 6 EL Lighting Input (Internal lighting only)
- Pin 7 EL Lighting Input (Internal lighting only)
- Pin 8 Signal GND (Internally connected to pin 9)
- Pin 9 GND (Connect to aircraft ground)

### For gauges with wire leads connect as follows:

**From gauge:** Red to power through fusing, black to ground and black (or blue) from sender, Yellow to red (or orange) from sender, white to white from sender, blue **annunciator** wire (customer request) works only if you connect with + voltage (because blue switching –minus) and have 100mA only!! If you need more current, you should connect relay +plus side = +12V and minus side to blue wire!!

**NOTE: If there is blue wire on indicator, that is annunciator wire for annunciator panel (minus switching)!**

Purple to lighting inverter if applicable.

## **Specifications:**

Description	Remote indicating electronic pressure instrument
Supply Voltage:	12-28 Volts DC (Nominal) 10-30 Volts DC (Max)
Current Draw:	100 mA (Maximum) Fusing, 250ma
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**