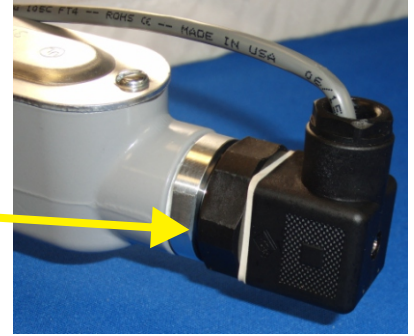


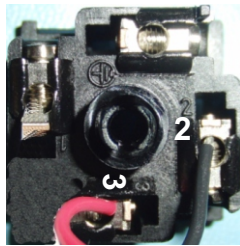
Level Probe Description:

DIN Connector w/water tight housing
22 AWG Twisted Pair Cable
available in 6ft. or 12ft. lengths.

DIN connector can be swiveled 180° in either direction. Loosen nut, turn to desired position and re-tighten nut.



Terminal #3 - Loop Supply(+/-)
Terminal #2 - Loop Supply(+/-)
Note: Polarity of wires can be reversed.

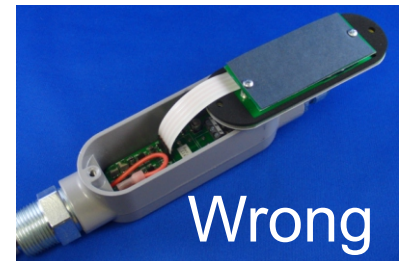
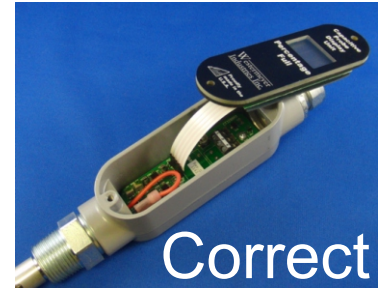


DIN connections view

Display board connector(Optional)
Note how display board plugs in.

“Zero”(Offset) adjustment

“Span”(Gain) adjustment



Spade connection to probe. Wire MUST stay in “J”form as shown. Output will be effected otherwise.

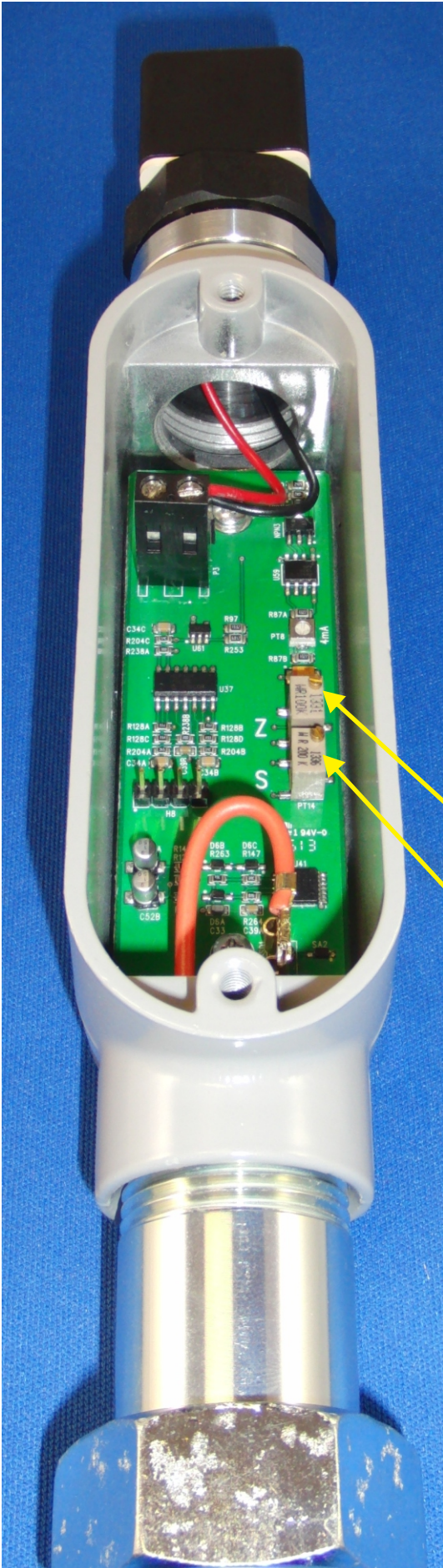
2 Connection Styles:

3/4” NPT with Stand Tube

1 1/4” Roto-Lok with Stand Tube

Note:

Units WITHOUT stand tubes must be handled carefully. The Teflon sleeving must not be damaged or removed when installing the probe. It provides insulation from conductive material floating on top of the liquid which would effect the output of the unit.



Operation & Specifications of Level Probe:

Electrical:

Supply Voltage: 12-32 Volts DC.

Output Signal: 4 to 20ma
proportional to liquid level.

Maximum Load: up to 2K ohms with less than
a 5% shift in output.

Ambient Temperature Range: $-40^{\circ}\text{F}(-40^{\circ}\text{C})$ to $158^{\circ}\text{F}(+70^{\circ}\text{C})$

Mechanical:

Working Pressure: 1000psi

Refrigerant Temperature: $-40^{\circ}\text{F}(-40^{\circ}\text{C})$ to $150^{\circ}\text{F}(+65.5^{\circ}\text{C})$

Probes: Stainless Steel, Teflon enclosed.

Shielding Tube: 6061-T6 Aluminum

Threads: 3/4 NPT or 1 1/4 Roto-Lok

Typical Refrigerants: R134A & R404A.

(other refrigerants are available on an individual basis
depending on the published data for that refrigerant).

Field Adjustment:

All units are factory set as shown and should not require field calibration.
If one determines that the calibration is not satisfactorily set then the following
procedure can be followed:

Lower the refrigerant level in the vessel to a level equal to 0%. Adjust the
“Z”(Zero) pot until the output of the loop supply reads 4.0-4.1mA.

Raise the refrigerant level in the vessel to a level equal to 50%. The output
of the unit should be approximately 12mA. If adjustment is required use the
“S”(Span) pot to achieve the desired reading.

