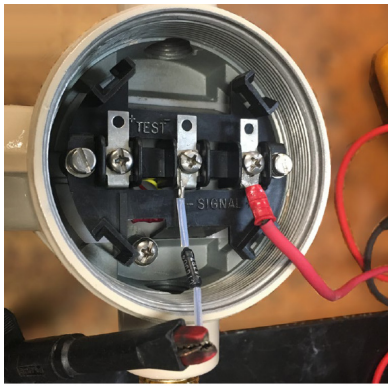
CHECKLIST

10 Steps for Configuration & Installation of Honeywell Pressure Transmitters

☐ **Attach and Apply appropriate Supply Voltage to Signal Terminals**

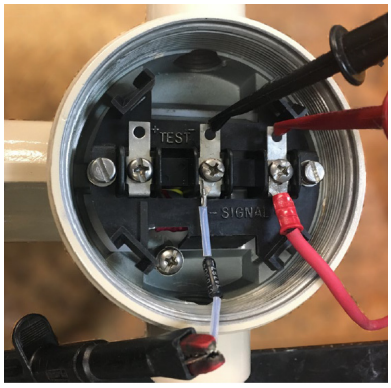
- min 10.8 VDC to max 42.4 VDC



☐ **For proper communication attach 250 ohm resistor *in series with voltage loop***

☐ **Connect preferred communication protocol *in parallel to voltage loop***

- DE – DE is specific to Honeywell and is polarity sensitive
- HART – Appropriate DD (Device Description) required for full configuration



☐ **Determine Zero & Span adjustment method for Input**

- Communication Protocol during configuration
- Local options are available as Smart Meter (SM option) or Zero Span board (ZS option)

☐ **Input Measurement Range values – Lower Range Values (LRV) to Upper Range Values (URV)**

- In an example with 0-100 PSI Calibration,
  - 0 PSI =LRV, and 100 PSI = URV
- Different Range sensors are capable of varying min and max Span limits

☐ **Apply appropriate input pressure to the process connection(s)**

- Appropriate pressure will be within Measurement Range values
- If above URV, current output will be saturated, showing full output

10 Steps for Configuration & Installation of Honeywell Pressure Transmitters

☐ Verify output signal is correct for given input pressure

- Generally linear, may be square root, or custom
- In an example with 4-20 mA,
    - 4 mA = 0% input pressure, 20 mA = 100% input pressure

☐ Verify other optional configuration setups

- Display – units, % of span, dual, etc.
  **factory default is set to Units
- Units – PSI, Inches H2O, mmHg, etc.
  **factory default is PSI, or units of any requested calibration
- Alerts/Alarms – set point deviation, over range, limits, cutoffs, etc.
  **factory default to no special settings
- Dampening – adjustable time values for measurement updates
  **factory default is 0.4 seconds
- Tagging – enter personalized Tag/Stock ID, Location, or other critical information
  **factory default includes tagging if supplied

☐ Filled systems & remote seals require compensation for process conditions

- Specifications required include Maximum Process Level, Distance between process connections and transmitter, Specific gravity of Process Fluid & Fill Fluid
- Additional technical support required on special process conditions or configurations (such as Vacuum applications, Limited low end span, Closed Tank, Use of wet or dry leg with direct connect seal, etc.)

☐ Installation

- Determine proper orientation for Flanges, Manifolds (Direct or Conventional), Process Adaptors, etc.
- Mount transmitter using hardware supplied per model code – Pipe, Panel, Direct, etc.
- Install proper conduits for electrical wiring (not included)
- Filled Systems or Remote Seals – see our Level Calibration Instructions for further help!

Additional troubleshooting is available through technical support, please make sure to note any symptoms or issues as they occur, including process information, or communicator error readings. Call our Main Line: 800-325-4808

AS™ AUTOMATION SERVICE Since 1956