

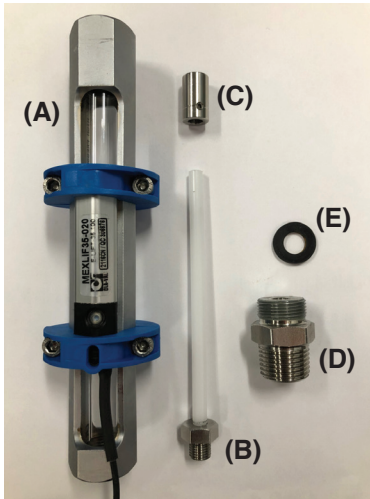


Model e-Lift-35 VALVE POSITION TRANSMITTER

PRODUCT FEATURES

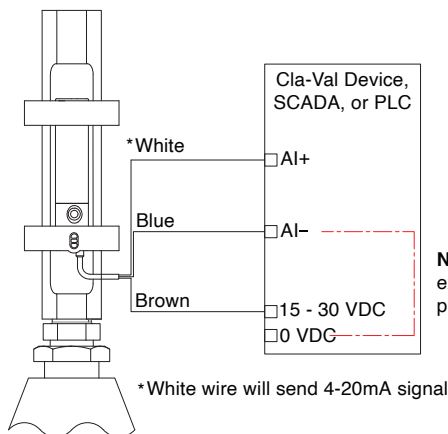
The Cla-Val Model e-Lift-35 Valve Position Transmitter is an accurate monitor of the valve position. Through an industry standard 0-10 VDC output signal, the e-Lift-35 delivers the accuracy required for data logging & Cla-Val flow metering.

COMPONENTS



- A. X101 Visual Indicator with Bracket Mounted Position Sensor Assembly
- B. Position Indicator Stem with Valve Stem Adapter
- C. Sensor Magnet
- D. Valve Cover Adapter
- E. Rubber Gasket

WIRING



See Model X101D for details and dimensions

INSTALLATION

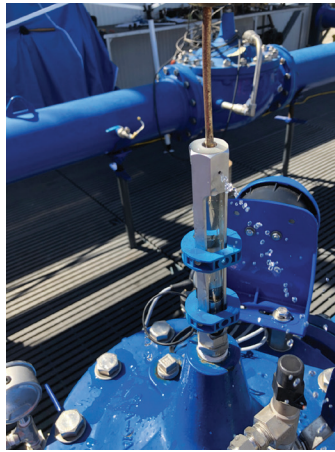


1. Isolate and de-pressurize Cla-Val control valve
2. Screw Position Indicator Stem into Valve Stem
3. Apply Teflon Tape to Threads of Valve Cover Adapter and Install on Cover
4. Place Rubber Gasket on top of Valve Cover Adapter
5. Install Sensor Magnet on top of Position Indicator Stem. Secure by Tightening set Screw



6. Screw X101 Visual Indicator with Bracket Mounted Position Sensor Assembly onto Valve Cover Adapter Ensuring Rubber Gasket stays in Place.
Warning: Do not over Tighten X101 Assembly

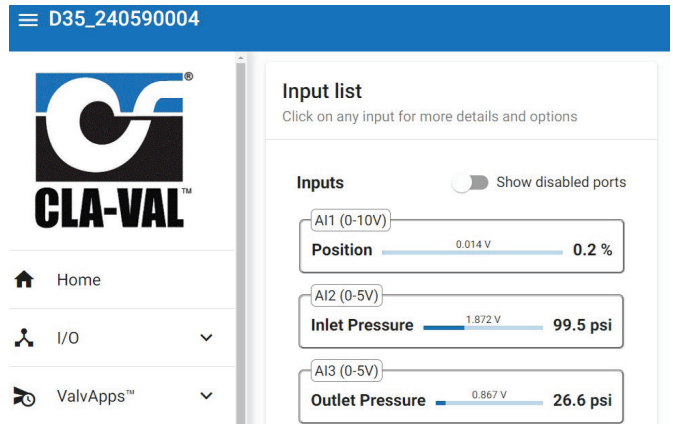
INSTALLATION (continued)



7. De-Isolate and Pressurize Cla-Val control valve
8. Bleed air from Valve cover chamber by loosening screw on top of X101 visual indicator.



9. Wire unit per wiring diagram shown on page #1
10. Ensure unit is powered and Green Sensor LED is on
NOTE: If connected to Cla-Val Data Loggers the LED lights may be flashing as opposed to solid, this is considered standard.
11. Loosen the four Sensor Bracket Screws
12. Begin to slide the Sensor Assembly along the X101 housing until a signal is received by a Multi-Meter, field device or Cla-Val Controller



13. Slide Sensor Assembly till a measurement of approximate 0VDC output with a Multi-Meter, field device or Cla-Val Controller
14. Tighten the four Sensor Bracket Screws
15. Perform zero calibration of Position Sensor signal on receiving device

The screenshot shows the "Custom scaling" interface. It features three input fields: "Scale min (V) *" with a value of 0.01, "Scale max (V) *" with a value of 10.00, and "Scaling offset (%) *" with a value of 0.0. To the right of the first two fields are buttons labeled "ACQUIRE LO" and "ACQUIRE HI".

CALIBRATION

The Cla-Val Model e-Lift-35 Valve Position Sensor is factory calibrated to output a 0-10 VDC signal representing 0 - 100% valve open for a specific Cla-Val valve model number and size. Therefore once the e-Lift-35 is properly installed as per above steps there is no further calibration required.

However if required the valve can be fully opened and step 14 of the installation repeated to measure for a 10VDC output indicating full stroke opening.

If the e-Lift-35 Valve Position Sensor is required to be moved to a different Cla-Val model number or size, contact a Cla-Val factory for assistance.