

ALD3 and ALD6 Series Electronic-Actuator Position (PNP Normally Open) Sensor Installation Instructions

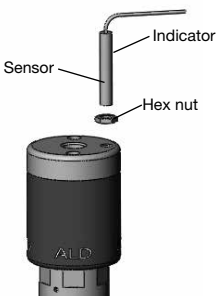
This instruction is for the installation of a normally open electronic-actuator position sensor to a normally closed ALD series actuator.

⚠ WARNING

Before installing the sensor, to avoid personal injury, you must:

- **Depressurize the system**
- **Cycle the valve**
- **Purge the system to remove any residual system media left in the valve.**

1. Ensure the valve is in the open position by applying 90 psig (6.2 bar) to the actuator.
2. Assemble the **hex nut** to the **sensor** to a position slightly below the **indicator** light of the sensor.



3. Carefully thread the sensor clockwise into the actuator until it just contacts the piston. Thread the piston counter-clockwise two turns to relieve that contact.
4. Connect the sensor to 24 V (dc).
5. Turn the sensor clockwise until the yellow “ready” indicator light displays, indicating a closed circuit (light on).
6. Thread the sensor clockwise an additional 1/16 to 1/8 turn.
7. Carefully hold the sensor to prevent it from rotating farther and tighten the hex nut clockwise to 10 in.-lb (1.1 N·m). The yellow “ready” indicator light should still be on.

NOTICE

Do not overtighten the sensor assembly. Damage to the sensor could result.

8. Cycle the actuator five times at the following actuator pressures, in the order listed, to confirm proper indicator function. The indicator light should turn off when there is no actuation pressure.
 - 90 ± 3 psig (6.2 ± 0.20 bar)
 - 60 ± 3 psig (4.1 ± 0.20 bar)
 - 90 ± 3 psig (6.2 ± 0.20 bar)
9. If the “ready” indicator light does not turn on and off properly, remove the sensor and repeat steps 3-8.