

IMPLEMENTATION OF THE VALCO MULTIPOSITION AIR ACTUATOR

Technical Note 426

A 4-way solenoid (Model 410 or V-SV-S52) is recommended for use with multiposition actuators. In this implementation, air is continuously applied to the actuator, which is directed to step or reset by the solenoid. Energizing the solenoid steps the valve to its next position; de-energizing the solenoid resets the mechanically-ratcheted system in the actuator.

CAUTION: We recommend bottled instrument air or nitrogen. If plant air from a compressor must be used, an oil separator and water dryer are required.

PROCEDURE

Requires one external event)

1. Energize solenoid – air through Normally Closed (N.C.) port. The valve is stepped to the next position.
2. De-energize solenoid – air through Normally Open (N.O.) port. The mechanically-ratcheted system in the actuator is reset.

If your solenoid doesn't look like either of the ones shown here, it is likely that you have an older unit, referenced in Technical Note 406.

