

AP51

INTEGRATED ELECTRIC VALVE ACTUATOR POSITIONER



Simple to install

Simple to set up

Simple to use

Accurate positioning made
simple

The AP51 is designed specifically to fit within the housing of a quarter and multiturn electric actuators.

The AP51 provides a reliable and accurate positioning system for valve actuators in a compact “fit and forget” format

KEY FEATURES

- Simple operation
- AC or DC supply
- Fit and forget installation
- V or I command signal
- Up to 2A motor load
- Ideal for OEM application

AP51

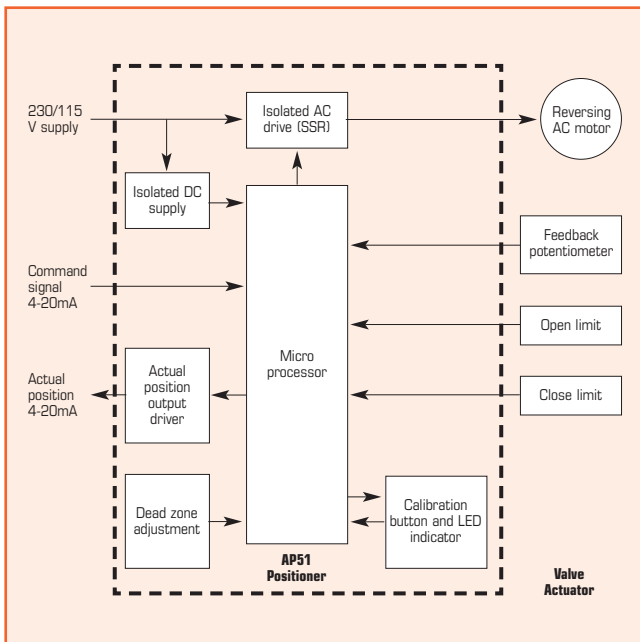
INTEGRATED ELECTRIC VALVE ACTUATOR POSITIONER

“IN-ACTUATOR” POSITIONER

The AP51 is designed specifically to fit within the housing of quarter and multiturn electric actuators. The actuator wiring to motor, limit switches and feedback potentiometer are simplified by the use of flying leads, allowing easy fitting and removal of the unit. The motor drive output circuit is designed to reduce switching transients and can operate motors with up to 2A running currents. The logic level limit switch inputs accept volt free contact closures, reducing the number of live connections within the actuator. Electronic breaking is selectable involving a brief operation of both outputs at the desired position, thus magnetically locking the motor. The unit can be set to freeze at the last healthy position in the event of a break in the command signal; whereas normally, the actuator would close on such a break. The AP51 provides a reliable and accurate positioning system for valve actuators in a compact “fit and forget” format.

MAIN FEATURES

- AC (115/230V) selectable by terminal links
- 24V AC and DC versions available
- Current or voltage command signal
- Three-wire potentiometer feedback signal
- Simple four step calibration sequence
- Actual position 4-20mA current output signal
- End of travel limit switch interlock
- Adjustable control dead zone
- Selectable electronic braking
- Selectable “freeze” position on loss of command signal
- Compact 72 x 68 x 40 with three M3 threaded mountings on base



Typical installation of the AP51 controlling an AC reversing servo

TECHNICAL SPECIFICATIONS

| | |
|------------------------|--------------------------------|
| Power Supply | 110/230vac selectable 24vdc |
| Command Signal | 4-20ma, 0-10v |
| Actual Position Signal | 4-20ma |
| Feedback | 3 wire potentiometer |

ORDERING INFORMATION

AP51-AC for 110/230vac version
AP51-DC for 24vdc version



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