

MODEL 420-DC / 420-AC AUTOMATED PILOT CONTROL

KEY FEATURES

- Easily programmable range via USB cable and custom software
- Built in surge suppression and reverse polarity protection
- IP68, 7 ft/24 hours (2.134 m/24 hours)
- High-torque motors increase actuator's operational life
- Downstream pressure follows the control signal within +/- 1 psi / 0.068 bar
- 4 -20 mA setpoint input and 4 - 20mA position feedback



PRODUCT OVERVIEW

The 420DC/AC provides a reliable, simple and cost efficient way to automate today's water systems. A sturdy slow speed 24 VDC motor actuator drive can be installed on a variety of Singer pilots. The motor actuator responds to a 4-20 mA signal, rotating the pilot adjusting screw corresponding to the change in signal. The number of turns is adjustable and may be programmed to suit the pressure changes required for the application. The 420-DC or 420-AC requires less than 2 amps of power to operate, controlled by the 4-20 mA signals from the water distribution SCADA system. The very low power requirement lends itself well to a solar powered self-contained station. Extended power failure would result in relatively steady pressure at the last setting. Optional freeze or default to high or low pressure is available on loss of signal.

IDEAL FOR

- Pressure Management Systems – utilizing pressure reducing pilot to give adjustable pressure settings based on system demand.
- Remote or difficult to reach control valves where adjustments need to be made, and using SCADA is the best option.

ORDERING INSTRUCTIONS

Refer to page 246 for the order form and ordering instructions.

Additionally, include the following information for this product:

1. Application (Singer Valve Model #)
2. Pilot utilized
3. Pilot spring range
4. Required adjustable operating pressure range

