

READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR CONNECTING POWER TO THE ACTUATOR. THE ACTUATOR MUST BE INSTALLED, COMMISSIONED, OPERATED AND REPAIRED BY QUALIFIED PERSONNEL. COMPLY WITH ALL APPLICABLE CODES, STANDARDS AND SAFETY REGULATIONS.

STORAGE

Actuators should be stored in a clean, dry environment at all times.

INTRODUCTION

This document provides installation, operation and maintenance instructions for Valworx 5617 series electric on-off actuators. These actuators are typically used to operate quarter-turn valves. Every actuator has been fully tested prior to shipment to ensure trouble free operation.

MOUNTING

The actuator can be mounted in any orientation. Allow enough room around actuator for manual operation as well as any maintenance. Valves can be direct mounted to the actuator using standard ISO5211 international mounting pad.



TEMPERATURE RATING

Operating temperature range of the actuator is -22 to +140°F (-30 to +60°C). Heat from the working medium (fluid) should not allow actuator to exceed these temperature limits. Optional high temperature valve mounting kits are available to increase the allowable media (fluid) working temperature.

ENCLOSURE RATING

The rugged aluminum housing is rated Type 4X and IP67 weatherproof. These general purpose actuators should not be used in explosion proof or hazardous applications.

VISUAL POSITION INDICATOR

Actuators are supplied with a local visual valve position indicator. This indicator is yellow and located on top of the actuator. Indicator will show the open and closed (on-off) position of the quarter-turn actuator (valve).



DUTY CYCLE AND MOTOR PROTECTION

The rugged 5617 series actuators are rated 60% duty cycle. Actuators are equipped with thermal overload protection with automatic reset to help protect the motor.

POSITION CONFIRMATION SWITCHES

On-Off actuators include two auxiliary limit switches used to confirm the actuator (valve) open and closed positions (use of these switches is optional). These switches are preset at the factory and do not need adjusting under normal conditions.

MANUAL OVERRIDE

Valworx 5617 series electric actuators have a manual override for use during setup or loss of electrical power. To operate the manual override, first "REMOVE ALL ELECTRICAL POWER TO THE ACTUATOR" then open the manual override protective cover located on the side of the actuator. Insert a hex wrench (provided) and rotate open (clockwise) or close as required. Do not exert excessive force at end of stroke, this may damage the actuator.



WARNING: Disconnect electrical power prior to operating manual override, removing covers or service.

MAINTENANCE

There are no internal parts that require regular maintenance. The gear drive is pre-lubricated for life. The housing may be cleaned with warm soapy water (no solvents). The actuator should be cycled at least once per month. **DO NOT PRESSURE WASH.**

