FLOWSERVE

USER INSTRUCTIONS

Automax Valves
Electric Actuator

AUTO-41 01 – (01/14)

Installation
Operation
Maintenance

Introduction
The use of uninterruptable power supply systems (UPS) has greatly increased in the past few years. The existing use of these devices, combined with the inherent low power consumption of electric valve actuators, makes an ideal combination for fail safe operation.

Features & Benefits
By ordering a specifically wired and fitted electric actuator, a less expensive installation can be obtained. Other manufacturers design special electronic boards and use multiple tiny batteries as their fail safe option, all in an effort to fit the components inside one housing. Further, the size of the batteries requires them to be replaced periodically.

Our actuator design takes advantage of a customer's existing UPS system. A simple relay mounted inside the unit monitors line voltage. When an interruption in power occurs, the relay shifts the signal to the user defined fail safe position (CW or CCW). The customer's UPS then supplies the power to drive the unit in the required direction. Automax can supply units for AC or DC applications. See schematics on reverse. To order actuator for use with an existing UPS system, simply add the letter code "...RFS..." to the part number.

Alternatively to order a UPS system from Automax use part number CB90 (see picture below). Consult factory for sizing requirements.

Example: CE7A2RFS =

CE	-Centura Series Actuator
7	-700 in*lbs torque
A	-120VAC Motor
2	-(2) extra Switches
RFS	-Relay for use with Uninterruptable Power

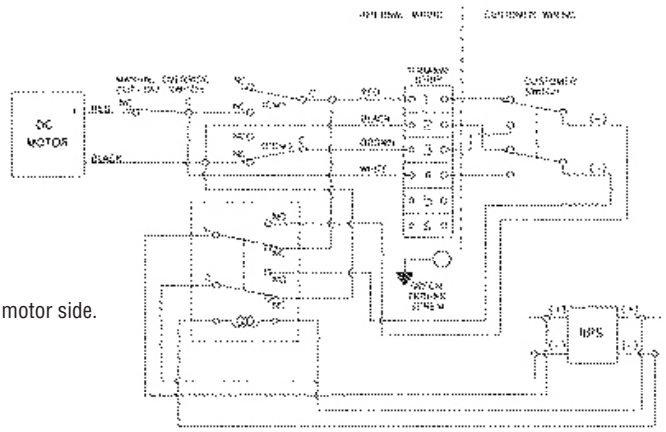
Symbols & Descriptions

1) Red - DC+ (CW)
2) Black - DC- (CW)
3) Brown - DC+ (CCW)
4) White - DC- (CCW)

NO - Normally open.
NC - Normally closed.
C - Common.

Notes:

1. Actuator is shown in the full CW position as viewed from the motor side.
2. Customer switch is shown for illustration only.
3. Route field wiring away from moving parts.



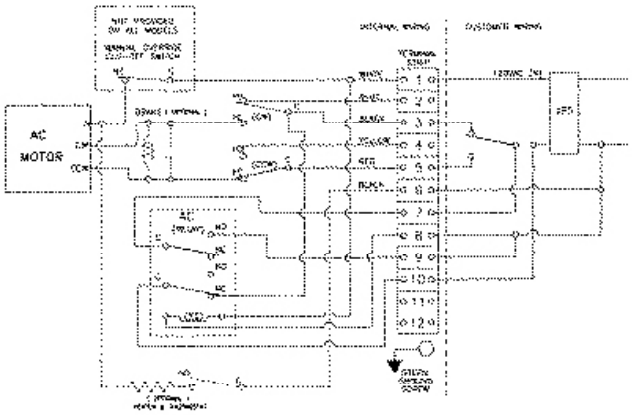
Symbols & Descriptions

1) White- Motor Common.
2) Blue- Full CW position indicator.
3) Black- AC Hi will turn actuator CW.
4) Yellow- Full CCW position indicator.
5) Red- AC Hi will turn actuator CCW.

NO - Normally open.
NC - Normally closed.
C - Common.

Notes:

1. Actuator is shown in the full CW position as viewed from the motor side.
2. Customer switch is shown for illustration only.
3. Route field wiring away from moving parts.



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