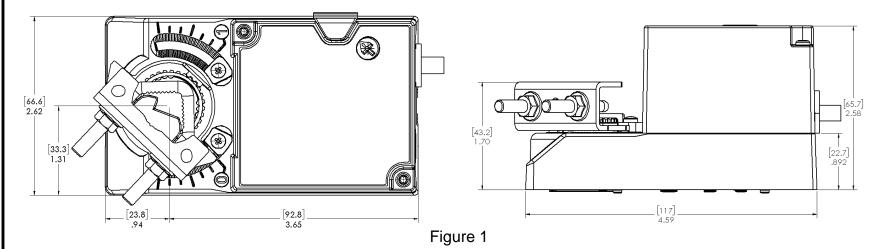
APPLICATION

The 20-0052 actuator is used for AccuValve® applications that require standard-speed response over a control range of 0 to 10 or 2 to 10 volts and will "fail in place" when power is removed.

DIMENSIONS



INSTALLATION

Each factory installed actuator is configured and tested on the AccuValve® prior to shipping from the Accutrol factory. The following instructions are provided as a reference for replacing an actuator in the field.

Parts Required

Tools Required (1) Actuator, PN 20-0052

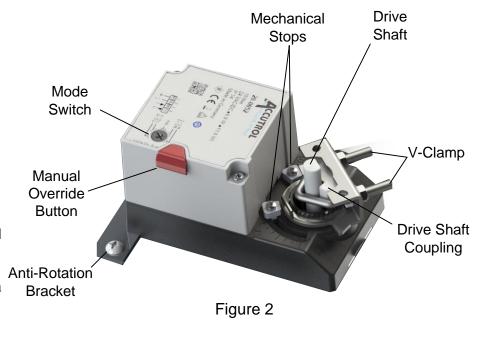
(2) Screws, PN 17-0246 (#8-32 x 5/16)

8mm wrench

#2 Phillips Head Screw Driver

Reference Figure 2

- 1. Slide actuator V-clamp over the AccuValve drive shaft.
- 2. Align the flat of the drive shaft with the flat of the shaft coupling.
- 3. Slide the slot on the back of the actuator over the vertical tab on the anti-rotation bracket so the tab is captured in the slot.
- 4. Secure the actuator coupling to the AccuValve drive shaft by tightening the (2) 8mm nuts on the v-clamp. Secure each nut evenly and torque each nut to 6 to 7 ft-lbs.
- 5. Mechanical stops must be set to proper locations after the actuator is installed on the AccuValve. Depress manual override button and turn shaft until blades are fully closed, set stop. Depress manual override button and turn shaft until blades are fully open, set second stop.
- 6. Apply power to the actuator, adapt by turning the "Mode Switch" arrow to point to Adp. After the Actuator completes a full cycle turn the arrow to factory position of 2-10R.



TECHNICAL DATA

ELECTRICAL

Power Supply 24 VAC +/- 20% 50/60 Hz, or 24 VDC +/- 20%

Power Consumption: 6W Max, 2W Standby

Transformer Sizing: 11 VA (Class 2 power source)

Electrical Connection: Cable, 3' Halogen Free, NEMA 2 (IP 54), 4-Conductor, 18 GA

Electronic, throughout range of rotation Overload Protection: Control Signal: 0 to 10V or 2 to 10V (selectable)

0 to 10V or 2 to 10V (matches control signal) 0.5mA Max Feedback Signal:

Input Impedance: 100K ohm

Resolution: 45mV response to control signal

89mV response to control signal change of direction

MECHANICAL

Angle of Rotation: Limited by mechanical stops (approximately 45°)

Running Time: 10 seconds full stroke

Torque: 90 in-lb (10Nm)

Reversible with switch Direction of Rotation: Manual Override: External push button Weight: 1.2 lbs. (0.54 kg)

< 45 dBA Noise Level: Housing Material: UL94-5V

ENVIRONMENTAL

Humidity: 5 to 95% RH non-condensing (EN 60730)

-22°F to 122°F (-30°C to 50°C) Operating Temperature: Storage Temperature: -40°F to 176°F (-40°C to 80°C) Housing: NEMA 2, IP54, UL enclosure type 2

SAFETY

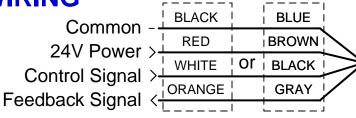
Protection Class: III (safety extra-low voltage) IP 54 (cable downwards) Degree of Protection:

EMC: CE (2014/30/EU) CE (2014/35/EU) LVD: RoHS: CE (2014/65/EU) Mode of Operation: Typ 1 (EN 60730-1) Rated Impulse Voltage: 0.8kV (EN 60730-1) Control Pollution Degree: 3 (EN 60730-1)

SERVICE

No Maintenance Required

WIRING



Actuator comes in two wiring color configurations based on manufacture date



Figure 3

CCUTROL 21 COMMERCE DRIVE DANBURY, CT. 06810 Tel: 203-445-9991 Accutrollic.com

Accutrol Representative:

SUBMITTAL DRAWING

Actuator, Standard-Speed, FLP

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PERMISSION BY ACCUTROL LLC

DWG. NO:	20-0052				
REVISION:	С	ECN:		2861	
REV. DATE:	2-2-23	SHEET:	1	OF	