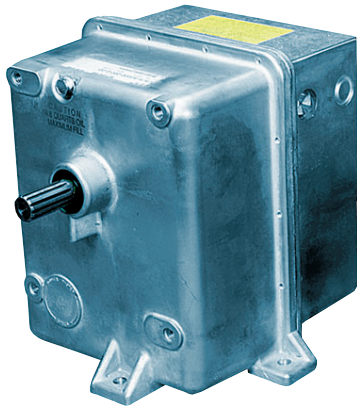


# EA70-A Series Analog Input High Torque Non-Spring Return Rotary Actuators



These workhorses have the brute force to handle the big job such as a heavy damper, globe valve, blast gate or air/gas valve. They can be used for vortex control and hydraulic coupling and will drive a speed changing screw or slide gate requiring a torque proportional actuator. A solenoid brake holds the actuator in position when no movement is required. These actuators stay in position when power is removed. NEMA 4 versions are available. The EA70-A is compatible with the VB-7000 and VB-9000 valves in this catalog.

## Features

- analog input proportional control signal
- 550, 1100 and 1300 in-lbs torque
- oil immersed motor and gear train
- compatible with VB series valves

## Specifications

### Torque:

550, 1100 and 1300 in-lbs

### Dimensions:

9-9/16" H x 9-1/2" W x 10-1/2" D

### Weight:

30 lbs

### Case:

Die cast aluminum with two 1/2" knockouts each side

### Motor and gear train:

Oil immersed

### Ambient temperature:

-40 to 130°F (-40 to 54°C)

### Humidity:

5 to 95% RH, non-condensing

### Power consumption:

190W

### Mounting:

Damper – Upright recommended

Valve – Any upright position with actuator above centerline of valve body

## Ordering codes

| Model Series | Base Model | Control Input | Reserved | Options | Volts/Freq |
|--------------|------------|---------------|----------|---------|------------|
| EA           |            | A             | 0        |         |            |

| Reserved | Feedback Slidewire | Logo/Label | Specials |
|----------|--------------------|------------|----------|
| 00       | 3                  |            | 00       |

| Base Model           |                                   | Options                             |                                                 | Voltage/Frequency |
|----------------------|-----------------------------------|-------------------------------------|-------------------------------------------------|-------------------|
| 72                   | 40 sec. 550 in-lbs torque         | <b>Not NEMA 4 rated</b>             | <b>NEMA 4 rated</b>                             | 0 120Vac, 60Hz    |
| 74                   | 65 sec., 1100 in-lbs torque       | 01 2 aux. SPDT switches             | 41 100Ω rear slidewire and cover, NEMA 4        |                   |
| 76                   | 115 sec., 1300 in-lbs torque      | 02 4 aux. SPDT switches             | 42 Two 100Ω rear slidewires and cover, NEMA 4   | <b>Slidewire</b>  |
|                      |                                   | 03 Rear Shaft                       | 43 Three 100Ω rear slidewires and cover, NEMA 4 | 3 1000Ω           |
|                      |                                   | 04 100Ω rear slidewire, 2 switches  | 37 NEMA 4 cover                                 |                   |
|                      |                                   | 05 100Ω rear slidewire, 2 switches  |                                                 | <b>Logo/Label</b> |
|                      |                                   | 06 1000Ω rear slidewire, 2 switches |                                                 | 0 Barber-Colman   |
|                      |                                   | 07 1000Ω rear slidewire, 2 switches |                                                 | E Eurotherm       |
|                      |                                   |                                     |                                                 | <b>Specials</b>   |
|                      |                                   |                                     |                                                 | 00 None           |
| <b>Control Input</b> |                                   |                                     |                                                 |                   |
| A                    | Analog input proportional control |                                     |                                                 |                   |