

VA-7010 Series

# Electric Valve Actuators



**VA-7010 Electric Valve Actuator with VG5000 Series Valve**

## Description

The VA-7010 Series Electric Valve Actuators provide two-position (open/closed) control and can easily be field mounted with a threaded coupling onto VG4000 and VG5000 Series Zone Valves. A lever at the side of the actuator housing can be used to open the mounted valve manually for servicing.

## Features

- low voltage or line voltage models provide application flexibility
- AC stall type motor ensures quiet operation
- manual lever allows manual position mode for servicing

- flat profile design with small side clearance provides mounting close to flat surfaces and saves space
- actuator can be mounted after the valve body is installed, simplifying installation in confined spaces while allowing application flexibility
- actuator can be rotated after mounting, providing easier wiring by locating the wiring conduit entry in any direction

## Repair Parts

Replace unit.

## To Order

Specify the code number from the following Selection Chart.

## Specifications

| VA-7010 Series Electric Valve Actuator |                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Action</b>                          | On/Off                                                                                                           |
| <b>Type of Motor</b>                   | Synchronous Stall                                                                                                |
| <b>Supply Voltage (50/60 Hz)</b>       | VA-7010-8001: 24 VAC, Class 2, ±10%                                                                              |
|                                        | VA-7010-8002: 120 VAC, ±10%                                                                                      |
|                                        | VA-7010-8003: 230 VAC, ±10%                                                                                      |
|                                        | VA-7010-8006: 208 VAC, ±10%                                                                                      |
| <b>Power Consumption</b>               | 7 VA                                                                                                             |
| <b>Minimum Force</b>                   | 20.2 lb (90 N)                                                                                                   |
| <b>Nominal Stroke</b>                  | 0.12 in. (3 mm), Maximum 0.2 in. (5 mm)                                                                          |
| <b>Full Stroke Time On</b>             | Nominal 10 Seconds                                                                                               |
| <b>Full Stroke Time Off</b>            | Nominal 5 Seconds                                                                                                |
| <b>Protection</b>                      | IP40, NEMA 1                                                                                                     |
| <b>Ambient Operating Conditions</b>    | 35 to 122°F (2 to 50°C), Non-Condensing                                                                          |
| <b>Ambient Storage Conditions</b>      | -4 to 149°F (-20 to 65°C), Non-Condensing                                                                        |
| <b>Electrical Connections</b>          | 18 AWG, 20 in. (508 mm) Long Wire Leads                                                                          |
| <b>Shipping Weight</b>                 | 1.1 lb (0.5 kg)                                                                                                  |
| <b>Agency Listings</b>                 | UL 873 Listed, File E27734, Guide XAPX, Plenum Rated<br>CSA C22.2 No. 139 Certified, File LR85083, Class 3221 01 |
| <b>CE Conformity</b>                   | VA-7010-8001:EMC Directive (89/336 EU)                                                                           |

## Selection Chart

| Code Number         | Description                      |
|---------------------|----------------------------------|
| <b>VA-7010-8001</b> | 24 VAC Electric On/Off Actuator  |
| <b>VA-7010-8002</b> | 120 VAC Electric On/Off Actuator |
| <b>VA-7010-8003</b> | 230 VAC Electric On/Off Actuator |
| <b>VA-7010-8006</b> | 208 VAC Electric On/Off Actuator |