

VC Valve Actuators

VC Series Proportional Actuators



Actuator Type: Valve

Fail Safe Mode: Stays in place

Cable Entry: Molded strain relief, conduit clamp

Dimensions, Approximate: 2.8 in. high x 3.7 in. wide x 2.7 in. deep
(70 mm high x 94 mm wide x 68 mm deep)

Electrical Protection: Double Insulated

Ingress Protection Rating: IP40

Frequency: 50 Hz; 60 Hz

Timing (seconds): Nominal Driving @ 60 Hz: 120 sec.

Manual operation: Lever

Mounting: Direct Coupled

Shaft Adapter Type: Self-alignment

Stroke: 0.4 in. (10 mm)

Close-off: 60 psid

Control central heating and/or cooling systems, fan coil systems, radiators and convectors. Depending on the model selected, it can be controlled by a low voltage SPST or SPDT switch, pulse-width modulated 24 Vac signal, or floating input, modulating controller such as a room thermostat, Aquastat control, flow switch or a 0/2 to 10 Vdc controller.

- Use with two-way or three-way valves
- Double insulated actuator
- Five foot plenum-rated cable
- Quick and easy replacement of moving parts
- Actuator head installation does not require draining the system
- Selectable/switchable electronic fail safe normally open or normally closed
- Available with valve bodies with 1000-series 2-way and 6000-series 3-way cartridges for new construction
- All VC Series actuator-valve combinations provide 60 psi close-off

Power Consumption (driving): 6 VA

Supply Voltage: 24 Vac

Materials: Plastic housing

Operating Humidity Range (% RH): 5 to 95% RH, non-condensing

Medium Temperature: 203 F (95 C)

Ambient Temperature Range: 32 F to 150 F (0 C to 65 C)

Temperature Ratings (Shipping): -40 F to +150 F (-40 C to +65 C)

Storage Temperature Range: -40 F to +150 F (-40 C to +65 C)

Weight: 0.84 lb (0.38 kg)

Used With: 3000 Series 2-way and 7000 Series VC valve bodies only

Approvals

Canadian Standards Association: CSA Certified: LR1322-367

Underwriters Laboratories, Inc: Listed 94-5V

Product Number	Control Signal	Type of Internal Auxiliary Switch	Switch Ratings	Cable Entry	Electrical Connections			Number of Internal Auxiliary Switch	Includes
					Type	Length			
						(inch)	(m)		
VC6834ZZ11/U	24 Vac; SP3T (tri-state) Floating	SPDT	2.2A (5 to 110 Vac)/1.0A (110 to 277 Vac) Inductive; Min. DC switching capability: 5 mA @ 24 Vac	Molded strain relief, conduit clamp	Plenum-rated cable	1.5 m	5 ft.	1	Flexible conduit adapter
VC6931ZZ11/U	24 Vac; SP3T (tri-state) Floating	—	—	Molded strain relief	Cable	1 m	39 in.	0	Flexible conduit adapter
VC6934ZZ11/U	24 Vac; SP3T (tri-state) Floating	—	—	Molded strain relief, conduit clamp	Plenum-rated cable	1.5 m	5 ft.	0	Flexible conduit adapter
VC7931ZZ11/U	2 to 10 Vdc	—	—	Molded strain relief	Cable	1 m	39 in.	0	—
VC7934ZZ11/U	2 to 10 Vdc	—	—	Molded strain relief, conduit clamp	Plenum-rated cable	1.5 m	5 ft.	0	Flexible conduit adapter