

VC Valve Actuators

VC Series Two-position Actuators



Control central heating and/or cooling systems, fan coil systems, radiators and convectors. Depending on the model selected, it can be controlled by either a low or line voltage SPST or SPDT controller such as a room thermostat.

- Use with two-way or three-way valves
- Minimal actuator power consumption
- Quick-connect or one meter cable electrical connections available
- Quick and easy replacement of moving parts
- Actuator head installation does not require draining the system
- On/Off models with six second nominal timing
- Use two-position actuators with 1000 Series 2 way and 6000 Series 3-way VC valve bodies only
- All VC Series actuator-valve combinations provide 60 psi close-off

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)

External Auxiliary Switches Available: —

Electrical Protection: Double Insulated

Ingress Protection Rating: IP40

Frequency: 60 Hz

Timing (seconds): Nominal Driving @ 60 Hz: 6 sec.

Manual operation: Lever

Mounting: Direct Coupled

Shaft Adapter Type: Self-alignment

Stroke: 0.4 in. (10 mm)

Maximum Differential Pressure Ratings (Close-off): 60 psid

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: 0.75 lb (0.34 kg)

Approvals

Canadian Standards Association: CSA Certified: LR1322-367

CE: 89/336/ECC, 73/23/EEC

Underwriters Laboratories, Inc: UL Recognized, File# MH11826

Product Number	Control Signal	Type of Internal Auxiliary Switch	Switch Ratings	Power Consumption (Driving)	Supply Voltage	Cable Entry	Electrical Connections			Type of Internal Auxiliary Switch	Number of Internal Auxiliary Switch	Comments	Used With	Includes
							Type	Length						
								(inch)	(m)					
VC2114ZZ11/U	SPDT; Two position	—	—	6 VA	24 Vac	Molded strain relief, conduit clamp	Plenum-rated cable	5 ft.	1.5 m	—	0	—	VC Series Valves, 1000 Series 2-way and 6000 Series 3-way	Flexible conduit adapter
VC2714ZZ11/U	On/Off switch; SPDT	SPDT	2.2A (5 to 110 Vac)/ 1.0A (110 to 277Vac) Inductive; Min. DC switching capability: 5 mA @ 24 Vac.	6 VA	24 Vac	Molded strain relief, conduit clamp	Plenum-rated cable	5 ft.	1.5 m	SPDT	1	—	VC Series Valves, 1000 Series 2-way and 6000 Series 3-way	3/8 in. flex conduit adapter
VC4011ZZ11/U	Two position; SPST	—	—	6 VA	100 to 130V	Molded strain relief	Cable	39 in.	1 m	—	0	—	VC Series Valve	—
VC4013ZZ11/U	Two position; SPST	—	—	6 VA	200 to 240V		Cable	39 in.	1 m	—	0	—	VC Series Valves, 1000 Series 2-way and 6000 Series 3-way	—
VC8111ZZ11/U	Two position; SPST	—	—	6 VA	24 Vac		Cable	39 in.	1 m	—	0	—	VC Series Valves, 1000 Series 2-way and 6000 Series 3-way	—
VC8114ZZ11/U	Two position; SPST	—	—	6 VA	24 Vac	Molded strain relief, conduit clamp	Plenum-rated cable	5 ft.	1.5 m	—	0	—	VC Series Valves, 1000 Series 2-way and 6000 Series 3-way	Flexible conduit adapter

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							Type	Length						
								(inch)	(m)					
VC8711ZZ11/U	Two position ; SPST	SPDT	2.2A (5 to 110 Vac)/ 1.0A (110 to 277Vac)	6 VA	24 Vac	Molded strain relief	Cable	39 in.	1 m	SPDT	1	—	VC Series Valves, 1000 Series	—
VC8714ZZ11/U	Two position ; SPST	SPDT	Inductive; Min. DC switching capability: 5 mA @ 24 Vac.	6 VA	24 Vac	Molded strain relief, conduit clamp	Plenum-rated cable	5 ft.	1.5 m	SPDT	1	—	2-way and 6000 Series 3-way	Flexible conduit adapter
VC8715ZZ11/U	Two position ; SPST	SPST		6 VA, 3W standby for thermostat anticipator	24 Vac	Molded strain relief	Cable	39 in.	1 m	SPST	1	With additional current draw for compatibility with Honeywell power stealing thermostats		—