

SQD Series Electronic Valve Actuators

24 Vac, Floating or 0 to 10 Vdc Control
Non-Spring Return

NEW!



SQD Series Electronic Valve Actuator.

Description

Pressure Independent Control Series SQD Electronic Valve Actuators require a 24 Vac power supply and receive a floating control signal (SQD85.03U) or a proportional 0 to 10 Vdc signal (SQD65U) to control a valve.

These actuators are designed to work with 1-1/2 inch and 2-inch Pressure Independent Control Series Valves with a 1/4-inch (6.5 mm) stroke and a threaded valve bonnet that fits the actuator.

Features

- Floating or 0 to 10 Vdc control
- Non-spring return
- Reversible synchronous motor
- Antilocking gear train
- UL listed for plenum installation
- Direct mounting on valves; no adjustments required
- Visual position indication
- Manual override
- Electromotoric actuator, maintenance-free
- Load-dependent switch-off in stroke limit positions reduces power

Applications

For use in heating and cooling HVAC applications with Pressure Independent Control valves that require up to 90 lbs. (400N) actuator force.

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Valves

SQD Series Electronic Valve Actuator Specifications

Operating Voltage 24 Vac $\pm$ 20%
Frequency 60 Hz
Fusing of Supply Lines Max. 10A Slow
Power Consumption
SQD65U 4.5 VA
SQD85.03U 2 VA
Signal Inputs
Terminals Y1, Y2 (SQD85.03U) 3-Position (Floating)
Terminal Y (SQD65U) 0-10 Vdc, 0.1 mA Maximum
Terminal R (SQD65U) 0 to 1,000 Ohms
Signal Output
Terminal U (SQD65U) 0 to 10 Vdc, 0.5 mA Maximum
Operating Data
Run time 43 Seconds
Positioning force >90 lbs (400 N)
Nominal stroke 6.5 mm
Admissible temperature of medium in the valve 34°F to 248°F
(1°C to 120°C)
Parallel operation of actuators 10 Maximum

Cable Entries 2 Entries for 1/2" Conduit Connection
Agency Approvals
UL UL873
cUL Certified to Canadian Standard C22.2 No. 24-93
Ambient Temperature
Operation 23°F to 122°F (-5°C to 50°C)
Transport -13°F to 158°F (-25°C to 70°C)
Storage 23°F to 122°F (-5°C to 50°C)
Humidity
Operation 5 to 95% rh
Transport <95% rh
Storage 5% to 95% rh

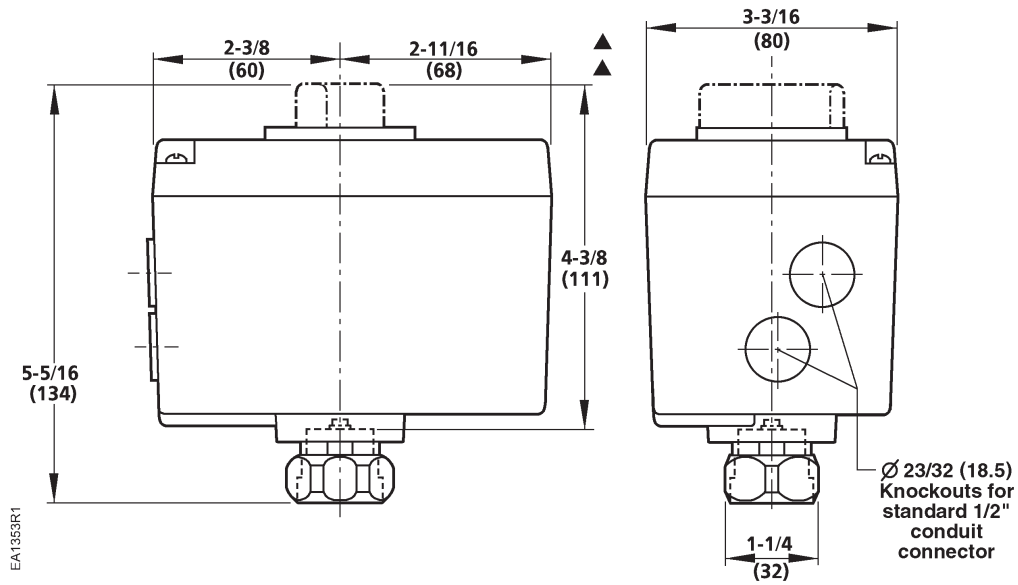
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Valves

SQD Series Actuator Product Ordering

Description	Part No.	Actuator Prefix Code
24 Vac, 3-position, 400N, NSR PICV Actuator	SQD85.03U	234
24 Vac, 0 to 10V, 400N, NSR PICV Actuator	SQD65U	235

Dimensions



Dimensions shown in inches (mm).

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Valves