

## ZONE220N-35 Technical Data Sheet



### Technical Data

|                                |                                        |
|--------------------------------|----------------------------------------|
| Fluid                          | chilled or hot water, up to 50% glycol |
| Flow characteristic            | on/off                                 |
| Valve Size [mm]                | 0.75" [20]                             |
| Pipe connector                 | NPT female ends                        |
| Housing                        | forged brass                           |
| Housing seal                   | EPDM                                   |
| Stem                           | stainless steel                        |
| Seat                           | EPDM                                   |
| Body Pressure Rating           | 300 psi                                |
| Close-off pressure $\Delta$ ps | 30 psi                                 |
| Cv                             | 3.5                                    |
| Weight                         | 1.32 lb [0.60 kg]                      |
| Fluid Temp Range (water)       | 32...212°F [0...100°C]                 |
| Leakage rate                   | ANSI Class III 0.1%                    |

### Application

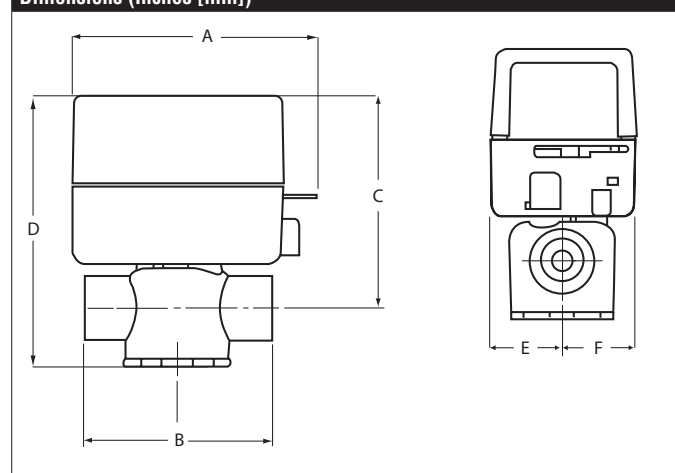
This valve is typically used on fan coil units, baseboards or other hydronic applications where fail safe operation on 2-wire control is required. This valve is suitable for use in a hydronic system with variable or constant flow.

This valve is designed to fit in compact areas where on/off or control is required using 24 VAC or 120 VAC.

### Suitable Actuators

|             | Spring |
|-------------|--------|
| ZONE220N-35 | ZONE   |

### Dimensions (Inches [mm])



| A          | B         | C         | D          | E         | F         |
|------------|-----------|-----------|------------|-----------|-----------|
| 4.0" [102] | 2.8" [70] | 3.5" [89] | 4.4" [113] | 1.2" [30] | 1.2" [31] |

# ZONE120NO Technical Data Sheet



2-year warranty



| Technical Data                 |                                |
|--------------------------------|--------------------------------|
| Power Supply                   | 120 VAC, $\pm 10\%$ , 50/60 Hz |
| Power consumption in operation | 6.5 W                          |
| Transformer sizing             | 7 VA (class 2 power source)    |
| Electrical Connection          | 6" wire leads                  |
| Angle of rotation              | 90°                            |
| Running time fail-safe         | <5 s Variable: 2.5...10 s      |
| Ambient humidity               | max. 95% r.H., non-condensing  |
| Ambient temperature            | 32...104°F [0...40°C]          |
| Storage temperature            | -40...176°F [-40...80°C]       |
| Degree of Protection           | IP20, NEMA 1                   |
| Housing material               | 1114                           |
| Agency Listing                 | CE, cULus                      |
| Noise level, motor             | 35 dB(A)                       |
| Noise level, fail-safe         | 35 dB(A)                       |
| Servicing                      | maintenance-free               |
| Quality Standard               | ISO 9001                       |
| Weight                         | 0.88 lb [0.40 kg]              |

## Wiring Diagrams



### INSTALLATION NOTES



Meets cULus requirements without the need of an electrical ground connection.



One built-in auxiliary switch, 1x SPST 0.4A @ 24 VAC (resistive and inductive loads).

