

ZONE220S-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 | sweat |
| Housing | forged brass |
| Housing seal | EPDM |
| Stem | stainless steel |
| Seat | EPDM |
| Body Pressure Rating | 300 psi |
| Close-off pressure Δps | 30 psi |
| Cv | 3.5 |
| Weight | 0.66 lb [0.30 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 |
|-------------|--------|
| ZONE220S-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] |

ZONE24NO Technical Data Sheet



2-year warranty



| Technical Data | |
|--------------------------------|-------------------------------|
| Power Supply | 24 VAC, ±10%, 50/60 Hz |
| Power consumption in operation | 6.5 W |
| Transformer sizing | 7 VA (class 2 power source) |
| Electrical Connection | 18" 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] |

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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).

