



2-year warranty

## Type overview

| Type        | DN |
|-------------|----|
| ZONE315S-35 | 15 |

## Technical data

|                    |                                 |                                        |
|--------------------|---------------------------------|----------------------------------------|
| Functional data    | Valve size [mm]                 | 0.5" [15]                              |
|                    | Fluid                           | chilled or hot water, up to 50% glycol |
|                    | Fluid Temp Range (water)        | 32...212°F [0...100°C]                 |
|                    | Body Pressure Rating            | 300 psi                                |
|                    | Close-off pressure $\Delta p_s$ | 30 psi                                 |
|                    | Flow characteristic             | on/off, diverting                      |
|                    | Flow Pattern                    | 3-way                                  |
|                    | Leakage rate                    | ANSI Class III 0.1%                    |
|                    | Cv                              | 3.5                                    |
| Materials          | Valve body                      | forged brass                           |
|                    | Housing seal                    | EPDM                                   |
|                    | Spindle                         | stainless steel                        |
|                    | Seat                            | EPDM                                   |
|                    | Pipe connection                 | sweat                                  |
| Suitable actuators | Spring                          | ZONE                                   |

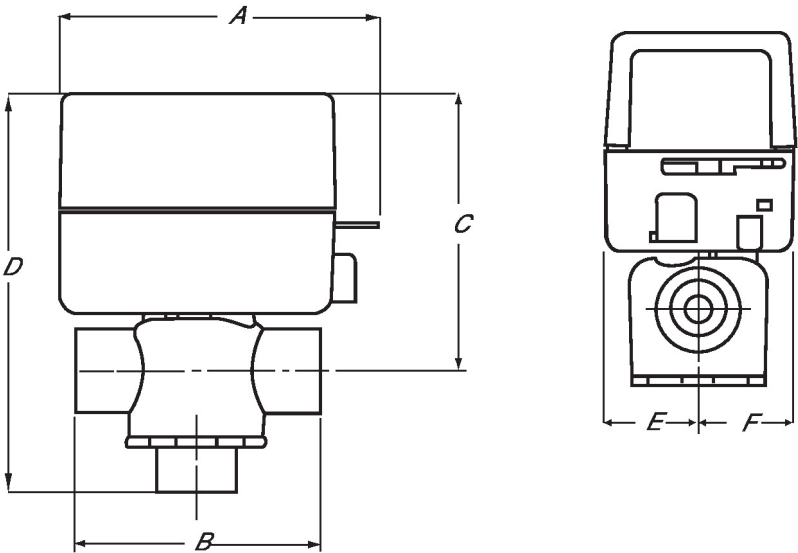
## Product features

**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.

## Dimensions

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|-------------|----|
| ZONE315S-35 | 15 |



| A          | B         | C         | D          | E         | F         |
|------------|-----------|-----------|------------|-----------|-----------|
| 4.0" [102] | 2.8" [70] | 3.5" [89] | 4.8" [122] | 1.2" [30] | 1.2" [31] |



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## Technical data

|                        |                                |                             |
|------------------------|--------------------------------|-----------------------------|
| <b>Electrical data</b> | Nominal voltage                | AC 120 V                    |
|                        | Nominal voltage frequency      | 50/60 Hz                    |
|                        | Power consumption in operation | 6.5 W                       |
|                        | Transformer sizing             | 7 VA (class 2 power source) |
|                        | Electrical Connection          | 6" wire leads               |
| <b>Functional data</b> | Manual override                | hand lever                  |
|                        | Angle of rotation              | 90°                         |
|                        | Running time fail-safe         | <5 s Variable: 2.5...10 s   |
|                        | Noise level, motor             | 35 dB(A)                    |
|                        | Noise level, fail-safe         | 35 dB(A)                    |
|                        | Position indication            | Mechanically (integrated)   |
| <b>Safety data</b>     | Degree of protection IEC/EN    | IP20                        |
|                        | Degree of protection NEMA/UL   | NEMA 1                      |
|                        | Enclosure                      | UL Enclosure Type 1         |
|                        | Agency Listing                 | CE, cULus                   |
|                        | Quality Standard               | ISO 9001                    |
|                        | Ambient temperature            | 32...104 [0...40°C]         |
|                        | Storage temperature            | -40...176°F [-40...80°C]    |
|                        | Ambient humidity               | Max. 95% RH, non-condensing |
|                        | Servicing                      | maintenance-free            |
| <b>Materials</b>       | Housing material               | galvanized steel            |

## Electrical installation



### 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).

**Wiring diagrams**

Built-in Auxiliary Switch (optional) (only on -S models)

