



2-year warranty

## Type overview

| Type        | DN |
|-------------|----|
| ZONE215S-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 Δps   | 30 psi                                 |
|                    | Flow characteristic      | on/off                                 |
|                    | Flow Pattern             | 2-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                                   |

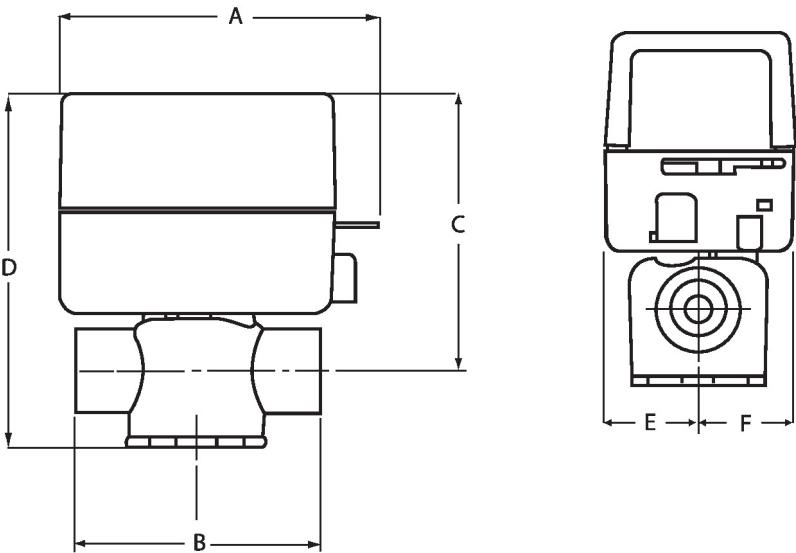
## Product features

**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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|-------------|----|
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| A          | B         | C         | D          | E         | F         |
|------------|-----------|-----------|------------|-----------|-----------|
| 4.0" [102] | 2.8" [70] | 3.5" [89] | 4.3" [110] | 1.2" [30] | 1.2" [31] |



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## Technical data

|                 |                                     |                                                        |
|-----------------|-------------------------------------|--------------------------------------------------------|
| Electrical data | Nominal voltage                     | AC 24 V                                                |
|                 | Nominal voltage frequency           | 50/60 Hz                                               |
|                 | Power consumption in operation      | 6.5 W                                                  |
|                 | Transformer sizing                  | 7 VA (class 2 power source)                            |
|                 | Auxiliary switch                    | 1 x SPST, 0.4 A resistive (0.4 A inductive) @ AC 24 V, |
|                 | Switching capacity auxiliary switch | 0.4 A resistive (0.4 A inductive) @ AC 24 V            |
|                 | Electrical Connection               | 18" wire leads                                         |
| Functional data | 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)                                               |
| Safety data     | 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                            |
| Materials       | Servicing                           | maintenance-free                                       |
|                 | 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)

