

# Technical data sheet

#### ZONE225N-80



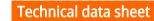


## Type overview

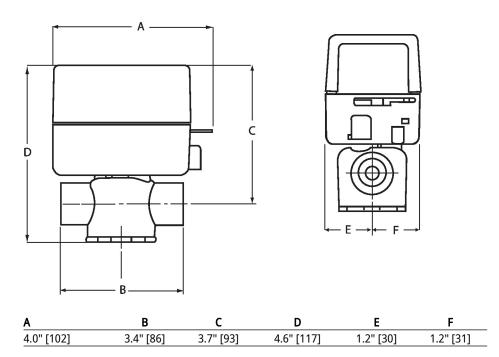
DN
25

### Technical data

Functional data	Valve size [mm]	1" [25]	
	Fluid	chilled or hot water, up to 50% glycol	
	Fluid Temp Range (water)	32212°F [0100°C]	
	Body Pressure Rating	300 psi	
	Close-off pressure ∆ps	20 psi	
	Flow characteristic	on/off	
	Flow Pattern	2-way	
	Leakage rate	ANSI Class III 0.1%	
	Cv	8	
Materials	Valve body	forged brass	
	Housing seal	EPDM	
	Spindle	stainless steel	
	Seat	EPDM	
	Pipe connection	NPT female ends	
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			
Туре		DN	
ZONE225N-80		25	









### **ZONE24NC-S**





#### **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	Manual override	hand lever
	Angle of rotation	90°
	Running time fail-safe	<5 s Variable: 2.510 s
	Noise level, motor	35 dB(A)
	Noise level, fail-safe	35 dB(A)
	Position indication	Mechanically (integrated)
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	32104 [040°C]
	Storage temperature	-40176°F [-4080°C]
	Ambient humidity	Max. 95% RH, non-condensing
	Servicing	maintenance-free
Materials	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)

