



Technical data sheet



Type overview		
Type ZONE225N-80		DN 25
Technical data		
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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 Δps	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

Product features

Application

Spring

Suitable actuators

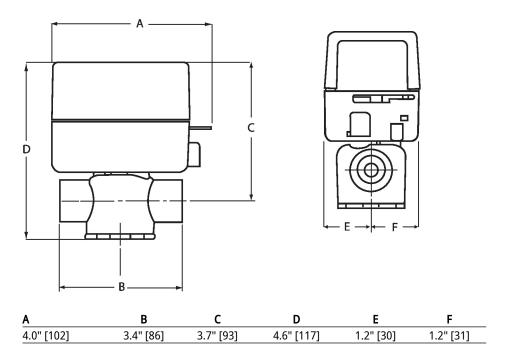
This valve is typically used on fan coil units, baseboards or other hydronic applications where fail safe operation on 2-wire control is required. This valve is suitable for use in a hydronic system with variable or constant flow.

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

ZONE

Dimensions	
Туре	DN
ZONE225N-80	25











2-year warranty



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)
	Electrical Connection	18" wire leads
Functional data	Manual override	hand lever
	Angle of rotation	90°
	Running time fail-safe	<5 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

Electrical installation



Materials

X INSTALLATION NOTES

Housing material

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).

galvanized steel



Wiring diagrams

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

T-STAT

BLACK

BLACK

MOTOR

RED

RED

TO AUXILIARY

CIRCUIT