



Type overview		
Туре		DN
ZONE220N-50		20
Technical data		
Functional data	Valve size [mm]	0.75" [20]
	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	25 psi
	Flow characteristic	on/off
	Flow Pattern	2-way
	Leakage rate	ANSI Class III 0.1%
	Cv	5
Materials	Valve body	forged brass
	Housing seal	EPDM
	Spindle	stainless steel
	Seat	EPDM

## **Product features**

**Application** 

Suitable actuators

Pipe connection

Spring

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.

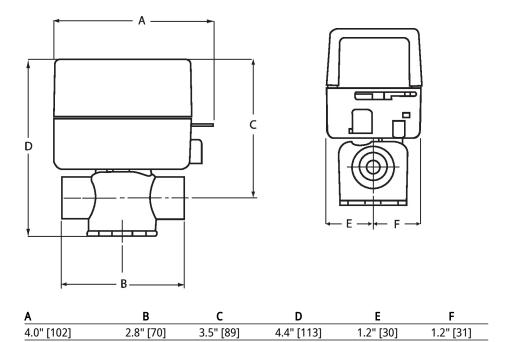
This valve is designed to fit in compact areas where on/off or control is required using 24 VAC or 120 VAC.

NPT female ends

ZONE

Dimensions	
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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**