

## ZONE215N-35, 1/2", Electronic Zone Valve

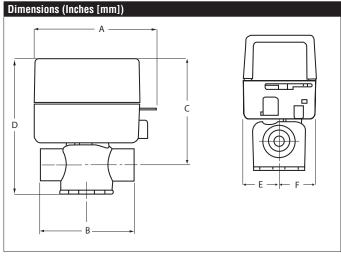


#### Application

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.

	Suitable Actuators
	Spring
ZONE215N-35	ZONE



4" [102] 2.75" [70] 3.5" [89] 4.25" [108] 1.18" [30]	A	В	С	D	E	F
	4" [102]	2.75" [70]	3.5" [89]	4.25" [108]	1.18	" [30]

Technical Data	
Service	chilled or hot water, up to 50% glycol
Flow Characteristic	on/off
Size [mm]	0.5" [15]
End Fitting	NPT female ends
Body	forged brass
Body Seal	EPDM
Stem	stainless steel
Seat	EPDM
Body Pressure Rating [psi]	300
Media Temperature Range	32°F to 212°F [0°C to 100°C]
(Water)	
Close-Off Pressure	30 psi
Cv	3.5
Weight	0.9 lb [0.4 kg]
Leakage	ANSI Class III 0.1%



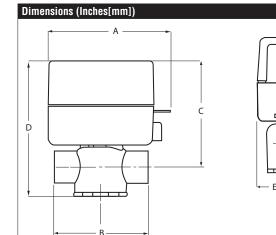
# **ZONE230NC-S**

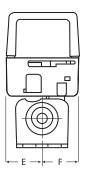






Power Supply230 VAC ± 10%, 50/60 HzPower Consumption Running6.5 WTransformer Sizing7 VA (class 2 power source)Electrical Connection6" wire leadsAngle of Rotation90°Position Indicationintegrated into lever (NC only)Manual Overridemanual leverRunning Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)Servicingmaintenance freeQuality StandardISO 9001Weight0.9 lb [0.4 kg]		
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Transformer Sizing7 VA (class 2 power source)Electrical Connection6" wire leadsAngle of Rotation90°Position Indicationintegrated into lever (NC only)Manual Overridemanual leverRunning Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Power Supply	230 VAC ± 10%, 50/60 Hz
Electrical Connection6" wire leadsAngle of Rotation90°Position Indicationintegrated into lever (NC only)Manual Overridemanual leverRunning Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Power Consumption Running	6.5 W
Angle of Rotation90°Position Indicationintegrated into lever (NC only)Manual Overridemanual leverRunning Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Transformer Sizing	7 VA (class 2 power source)
Position Indicationintegrated into lever (NC only)Manual Overridemanual leverRunning Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Electrical Connection	6" wire leads
Manual Overridemanual leverRunning Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Angle of Rotation	90°
Running Time (Motor)20 to 40 secRunning Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Position Indication	integrated into lever (NC only)
Running Time (Fail-Safe)5 sec (default), variable 2.5 to 10 secHumidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Manual Override	manual lever
Humidity5 to 95% RH non-condensingAmbient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Running Time (Motor)	20 to 40 sec
Ambient Temperature Range32°F to 104°F [0°C to 40°C]Storage Temperature Range-40°F to 176°F [-40°C to 80°C]HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Running Time (Fail-Safe)	5 sec (default), variable 2.5 to 10 sec
Storage Temperature Range   -40°F to 176°F [-40°C to 80°C]     Housing   NEMA type 1 / IP20     Housing Material   UL94-5VB     Agency Listings†   CE, cULus     Noise Level (Motor)   <35 dB (A)	Humidity	5 to 95% RH non-condensing
HousingNEMA type 1 / IP20Housing MaterialUL94-5VBAgency Listings†CE, cULusNoise Level (Motor)<35 dB (A)	Ambient Temperature Range	32°F to 104°F [0°C to 40°C]
Housing Material   UL94-5VB     Agency Listings†   CE, cULus     Noise Level (Motor)   <35 dB (A)	Storage Temperature Range	-40°F to 176°F [-40°C to 80°C]
Agency Listings†   CE, cULus     Noise Level (Motor)   <35 dB (A)	Housing	NEMA type 1 / IP20
Noise Level (Motor)   <35 dB (A)	Housing Material	UL94-5VB
Servicing   maintenance free     Quality Standard   ISO 9001     Weight   0.9 lb [0.4 kg]     Auxiliary Switch   1 x SPST, 5A resistive (5A inductive) @ 230	Agency Listings†	CE, cULus
Quality Standard ISO 9001   Weight 0.9 lb [0.4 kg]   Auxiliary Switch 1 x SPST, 5A resistive (5A inductive) @ 230	Noise Level (Motor)	<35 dB (A)
Weight     0.9 lb [0.4 kg]       Auxiliary Switch     1 x SPST, 5A resistive (5A inductive) @ 230	Servicing	maintenance free
Auxiliary Switch 1 x SPST, 5A resistive (5A inductive) @ 230	Quality Standard	ISO 9001
	Weight	0.9 lb [0.4 kg]
	Auxiliary Switch	







## **ZONE230NC-S**

#### Wiring Diagrams

#### X 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).

