Zone Valve Control

Simplify the wiring nightmare! Taco Zone Valve Controls easy-to follow PC board layout eliminates the problems caused by incorrect wiring, while the external indicator lights provide instant diagnostic feedback. Combined with Taco Zone Valves and Thermostats, the system's performance and dependability is maximized.





Submittal Data Information Zone Valve Control

Submittal Data # 101-055 & 102-399 Supersedes: 07/11/07

es Zone Valve Controls

Taco Zone Valve Controls work with two-, three-, or four-wire zone valves. Fully fuse protected, they also include two isolated end switches and built-in priority protection. The contractor friendly PC board layout eliminates the problems caused by incorrect wiring and the "unfinished" look of conventional zone valve installations. The sturdy screw connections add additional reliability, while the external indicator lights provide instant diagnostic feedback, reducing installation time. All Taco Zone Valve Controls are UL listed and carry an extended 3 year warranty.

Effective: 07/26/10

Taco Expandable Zone Valve Controls

Whether you want to expand up to 120 zones or utilize the advanced features of the Add-on Power Controls, Taco -EXP controls allow for simple integration of advanced features. Built-in Post Purge and Pump Exercise functions can optimize the operation of any system.

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Zone Valve Controls

Product	Number	Transformer	Transformer	Dimensions of Enclosure		
Number	of Zones	Rating	Voltage	Width	Height	Depth
ZVC403	3 Zone with Priority	40 VA	120 VAC Input	10-1/4"	7"	2-3/4"
ZVC404	4 Zone with Priority	40 VA	120 VAC Input	10-1/4"	7"	2-3/4"
ZVC405	5 Zone with Priority	80 VA	120 VAC Input	12-1/4"	8"	3"
ZVC406	6 Zone with Priority	80 VA	120 VAC Input	12-1/4"	8"	3"

Expandable Zone Valve Controls

Product	Number	Transformer	Transformer	Dimensio	Dimensions of Enclosure		
Number	of Zones	Rating	Voltage	Width	Height	Depth	
ZVC404-EXP	4 Zone with Priority	80 VA	120 VAC Input	12-1/4"	8"	3"	
ZVC406-EXP	6 Zonewith Priority	AV08	120 VAC Input	12-1/4"	8"	3"	

The pump end switches are rated 1/6 hp, 5 amps at 120 VAC. The main and priority end switch connections are rated 24 VAC, 1 amp. All thermostat and zone valve connections supply a 24 VAC class 2 output.

Add-On Power Controls*

PC700	Boiler Reset Control	
PC702	2-Stage Boiler Reset Control	
PC705	Variable Speed Pump Injection Mixing Control	

^{*} For use with -EXP controls



Features

Front Diagnostic Lights Switchable Priority **Built-in Priority Protection** Simplified Wiring Works with 2, 3, or 4-Wire Zone Valves Compact Design **Fuse Protected** 100% Factory Tested Two Pump End Switches can control up to 3 pumps; System, Secondary and DHW Contractor Friendly PC Board Layout Universal Thermostat Compatibility 24 Volt Power Output for hard wired thermostats Field Replaceable Transformer **UL** Approved Extended 3 Year Warranty Made in the USA

Additional -EXP Features

Add-on Power Control Plug
Built-in; Post Purge and Pump
Exercise Functions
Two boiler contacts, utilizes full
functionality of Mod-Con boilers
Expandable to 20 Zoning Panels
(120 zones if all are 6 zone panels)
Interface with -EXP Switching Relays

The Taco Connection

Combine the reliability of the Taco Zone Valves, Priority Zoning Circulators, Thermostats, and the 00° family of circulators with the advanced features of the Taco Zone Controls to achieve total system integration. No matter the application, Taco now provides the products to maximize system performance while simplifying both installation and service.

External Diagnostics

It's no longer necessary to remove the box cover to troubleshoot the system. External visible indicator lights show full functionality of all products wired to the zone valve controls. When the thermostat calls for heat, both the appropriate zone valve and yellow indicator lights are energized. When the zone valve is fully opened, the end switch relay and red indicator light is then energized.