



Job \_\_\_\_\_ Contractor \_\_\_\_\_ Item no. \_\_\_\_\_  
Engineer \_\_\_\_\_ Rep. \_\_\_\_\_ Model no. \_\_\_\_\_

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 Next Generation Zone Valve Controls are UL listed and carry an extended 3 year warranty.

**Wiring Diagram**

120 VAC

Circuit Breaker

Customer Emergency Switch

Thermal Fuse (Fomatic)

Service Switch

Low Water Cutoff

Boiler

DHW

T

CH

T

PWR

N

H

Optional: DHW demand

DHW Aquastat

Thermostats

Optional DHW Recirc Supply Sensor

DP SWITCH SETTINGS

OFF: ON

Master: Supervision

Off: Priority On

Off: Alarm On

Off: Pump On

Off: Pump On

Off: Time Delay 2-W 2V

ZVC406-5

Next Generation Zone Valve Controls

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

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

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- Three Pump End Switches can control up to 3 individual pumps
- Taco Control mobile app (not required for all functions)
- Wireless Update Capabilities
- 4 Programmable Outputs
- DHW Recirculation SmartPlus® Logic
- Diagnostic Lights for all Outputs
- Additional Space for Wiring
- More Space to Write Zone Information
- Easy to Remove Hinged Cover
- Rear Knockouts
- Standard Control Upgradeable to Reset Model
- Modbus Communication

- 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
- 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
- Contractor Friendly PC Board Layout
- Universal Thermostat Compatibility
- 24 Volt Power Output for Hard Wired Thermostats
- Field Replaceable Transformer
- UL Listed
- Extended 3 Year Warranty

- Indoor Reset Control (Load Reset)
- Outdoor Reset Control (Weather Compensation)