



NEXT GENERATION ZONE VALVE CONTROLS

Catalog



Taco® Zone Valve Controls are engineered to deliver greater flexibility, smarter functionality, and simplified installation—making them the ideal solution for today’s advanced zoning systems.

Installers can quickly connect thermostats, zone valves, and circulators with easy-to-access wire terminals. Enhanced LED indicator lights provide clear, real-time diagnostics for faster troubleshooting and system verification.

Designed with the professional in mind, Taco Zone Valve Controls now feature Bluetooth® connectivity via the Taco Control mobile app. This allows for quick setup and full customization to meet job-specific requirements. Whether

using factory default settings or configuring advanced features through the app, the installation process is fast, intuitive, and efficient.

Key features include:

- Quick-Mount Installation and Switchable Control Modes
- Four Programmable Outputs and Three Pump End Switches
- DHW Recirculation with Built-in SmartPlug® Logic
- LED Diagnostics and Mobile App Feedback
- Smart Thermostat Compatibility

The Taco Next Generation Zone Valve Controls are built to maximize comfort, improve energy efficiency, and provide the dependable performance professionals expect.



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 (L1, L2)

Circuit Breaker

Customer Emergency Switch

Thermal Fuse (Fronomatic)

Service Switch

Low Water Cutoff

Boiler

DHW T CH T PWR N H

Optional: DHW demand

Thermostats

DHW Aquastat

Optional DHW Recirc Supply Sensor

DIP SWITCH SETTINGS

OFF ON

Master On

Expansion Priority On

On Off Primary Pump On

On Off Hot Water On

On Off Pump Expansion On

Time Delay 0-2 W 2V

ZVC406-5

ZVC Zone Valve Control 6 ZONE

Optional I/O Board for Indoor & Outdoor Reset

120 VAC 120V/1

AUX PUMP 1 AUX PUMP 2 AUX PUMP 3

N H N H N H N H N H

PRIORITY

ZONE VALVE 1 ZONE VALVE 2 ZONE VALVE 3 ZONE VALVE 4 ZONE VALVE 5 ZONE VALVE 6

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

C WY L L

C-DHW

C-ZV

ZV2 ZV4 ZV6

M

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)