



# Instruction Sheet

## ZVC404 Zone Valve Control

102-090

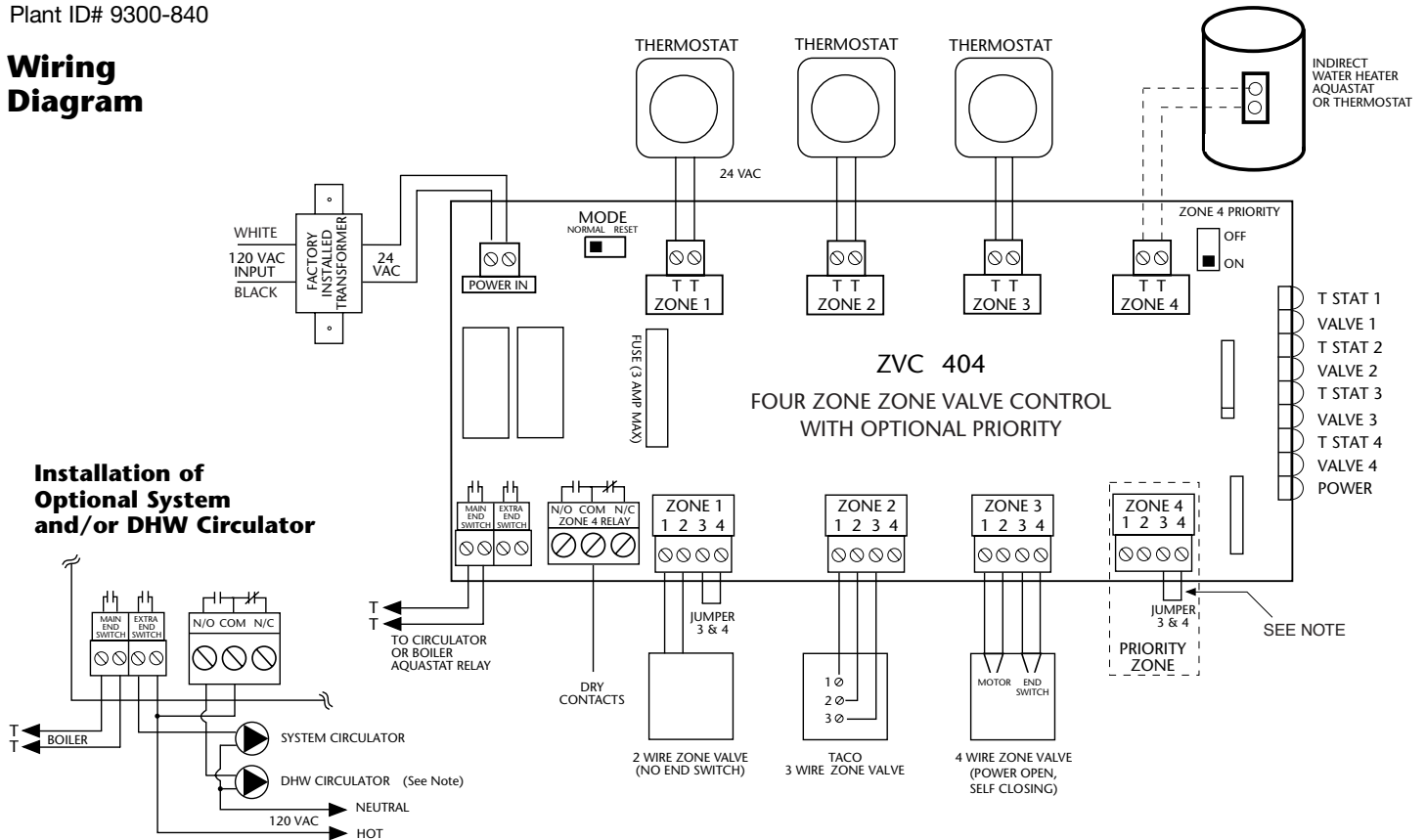
SUPERSEDES: 102-090 December 1, 1999

EFFECTIVE: October 23, 2000

Plant ID# 9300-840

### Wiring Diagram

### Installation of Optional System and/or DHW Circulator



**Operation/External Diagnostics:** When any thermostat calls for heat, the appropriate zone valve is energized and the yellow light goes on. When the zone valve is fully open, the red light goes on and energizes the end switch relay. The green light should always be on, indicating that power is connected.

**Priority Operation:** When zone 4 is switched to the priority setting and is actuated, all other zones will stop operation until zone 4 is satisfied. When zone 4 is not switched to priority, all zones will operate independently. **Note:** When a circulator is used on the priority zone instead of a zone valve, jumper 3 and 4 of the priority zone.

**Mode Operation:** When the mode switch is set to NORMAL, the end switch relay will be energized if any zone is in operation. When the switch is set to RESET, the end switch relay will only be energized if priority zone is in operation.

**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.

### Specifications:

PRODUCT NUMBER	NUMBER OF ZONES	TRANSFORMER VOLTAGE	MAX OUTPUT AT 24 VAC	DIMENSIONS OF ENCLOSURE	WIDTH	HEIGHT	DEPTH
ZVC404	4 with Priority	120 VAC Input	40 VA	10¼"	6¾"	2¾"	

All Zone Valve Controls are relay type DPDT and have a single phase motor rating per zone of 1/8 hp (5A) @ 120 VAC.

- Features:**
- External Indicator Lights
  - Switchable Priority
  - Simplified Wiring
  - Works with 2, 3, or 4-Wire Zone Valves
  - Compact Design
  - Fuse Protected
  - 100% Factory Tested
  - Isolated End Switch
  - Extra Set of Dry Contacts
  - Contractor Friendly PC Board Layout
  - Universal Thermostat Compatibility
  - UL Approved
  - Sturdy Screw Connections
  - Extended 3 Year Warranty
  - Made in the USA

**Warning:** Wiring connections must be made in accordance with all applicable electrical codes. Use copper wire only. Failure to follow this instruction can result in personal injury or death and/or property damage. 10-18 gauge wire recommended for 120 VAC connections with 9 in.lbs. max torque, 12-22 gauge wire for thermostat connections with 9 in.lbs. max torque, and 12-22 gauge wire for 24 VAC source with 5 in.lbs. max torque.

## Do it Once. Do it Right.

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