

Instruction Sheet

ZVC406 Zone Valve Control

102-092

SUPERSEDES: 102-092 December 1, 1999

EFFECTIVE: October 23, 2000

Plant ID# 9300-843



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 6 is switched to the priority setting and is actuated, all other zones will stop operation until zone 6 is satisfied. When zone 6 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	TRANSFORMER	Max output	DIMENSI	ONS OF ENG	CLOSURE
NUMBER	OF ZONES	VOLTAGE	At 24 vac	WIDTH	HEIGHT	DEPTH
ZVC406	6 with Priority	120 VAC Input	80 VA	113⁄4"	7½"	3"

All Zone Valve Controls are relay type DPDT and have a single phase motor rating per zone of \mathcal{V}_6 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.

TACO, INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 FAX: (401) 942-2360. **TACO (Canada), Ltd.**, 6180 Ordan Drive, Mississauga, Ontario L5T 2B3. Telephone: 905/564-9422. FAX: 905/564-9436. Printed in USA Copyright 2000 TACO, Inc.

Visit our web site at: http://www.taco-hvac.com