



Instruction Sheet

SR501 Switching Relay

102-081

SUPERSEDES: 102-081 June 1, 2003

EFFECTIVE: October 15, 2005

Plant ID# 9300-821

Features:

- External Indicator Lights
- Universal Replaceability
- Snap-in PC Board
- Simplified Wiring
- Fully Enclosed Snap-Out Relays
- 100% Factory Tested
- Contractor Friendly PC Board Layout
- Universal Thermostat Compatibility
- UL Approved
- Extended 3 Year Warranty
- Made in the USA

Operation:

Connect a thermostat to the "T T" terminals on the switching relay. When the thermostat calls for heat, the relay is energized and power is given to the circulator.

Power Input:

Connect 120 volt ac power to terminals N and H.

Jumper Placement:

The jumper is factory installed between terminals H and 3 to switch power on terminals 4 n/o and 4 n/c.

External Diagnostics:

The External lights show full functionality of the switching relay. The green light should always be on, indicating that power is connected. When the thermostat calls for heat, both the appropriate circulator and red indicating light is energized.

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.

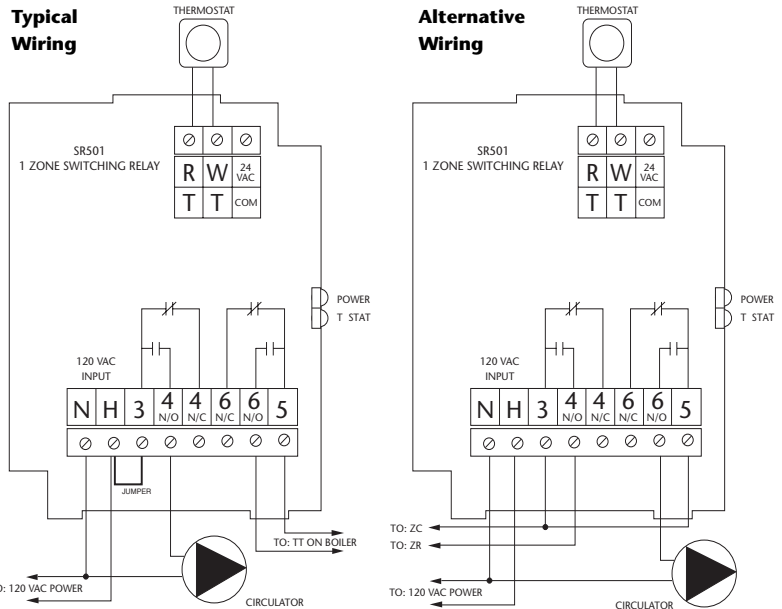
Specifications:

PRODUCT NUMBER	NUMBER OF ZONES	TRANSFORMER VOLTAGE	MAXIMUM COMBINED LOAD	DIMENSIONS OF ENCLOSURE		
				WIDTH	HEIGHT	DEPTH
SR501	1 Zone	120 VAC Input	7.2 amps	4 1/4"	5 1/4"	2 3/4"

All Switching Relays are relay type DPDT, have a thermostat current of .18, and have a single phase motor rating per zone of 1/3 hp (7.2A) @ 120 VAC. All relay contacts are rated for 0-240 volts.

Warning:

Wiring connections must be made in accordance with all applicable electrical codes and these instructions. 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.



Note: When using Alternative Wiring diagram, the boiler operating control's ZC terminal will see the load of the circulator(s).

Warning: When using Alternative Wiring diagram, wiring instructions must be followed so power originates from the boiler aquastat. Failure to follow these wiring instructions may result in a secondary source of power being connected to the boiler that may activate it under certain circumstances, causing injury or death.

Terminal Description:

- T & T Thermostat Connection
- COM Common side of transformer, to power some setback thermostats
- N Neutral wire of power input
- H Hot wire of power input
- 3 Common terminal for 4 n/o and 4 n/c
- 4 n/o Normally open terminal
- 4 n/c Normally closed terminal
- 6 n/c Normally closed terminal
- 6 n/o Normally open terminal
- 5 Common terminal for 6 n/o and 6 n/c

TACO SR501 REPLACEMENT CROSS-REFERENCE										
MANUFACTURER	MODEL	CONNECTIONS								
Taco	SR501	H	N	3	4 NO	4 NC	5	6 NO	6 NC	R/T W/T C
Argo	AR821	1	2	3	4		5	6		T
	AR822	L1	L2	3	4 NO	4 NC	5	6 NO	6 NC	R/T G/T C
Colombus	MR10	L1	L2	3	4 NO	4 NC	5	6 NO	6 NC	R/T G/T C
Erie	SR100	L1	L2	3	4 NO	4 NC	5	6 NO	6 NC	R/T G/T C
Honeywell	RA89A	1	2	3	4					T T
	RA832A	1	2	3	4		X	X		T T
	R845A	1	2	3	4		5	6		T T
White-Rogers	889-189	1	2	3	4					T T
	829-845	1	2	3	4		5	6		T T

Do it Once. Do it Right.®

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