



Submittal Data Information

101-053

Single Zone Switching Relay

Effective: December 15, 2006

Supersedes: July 15, 2005

Job: _____ Engineer: _____ Contractor: _____ Rep: _____

ITEM NO.	MODEL NO.

Features

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

Additional EXP Features

- One Add-on Power Control Plug
- Premium Sealed Relays
- Interface with all -EXP Multi-Zone Controls

Additional SR501-845RP Features

- 6 Pack of Replacement Boards
- Fast and Economical Field Replacement
- Snaps into Existing Metal Enclosure
- Replaces Honeywell RA89A, RA832A, R845A or Comparable Relay (see chart)

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.

External Diagnostics

It's no longer necessary to open the box to troubleshoot the system. Externally visible 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.

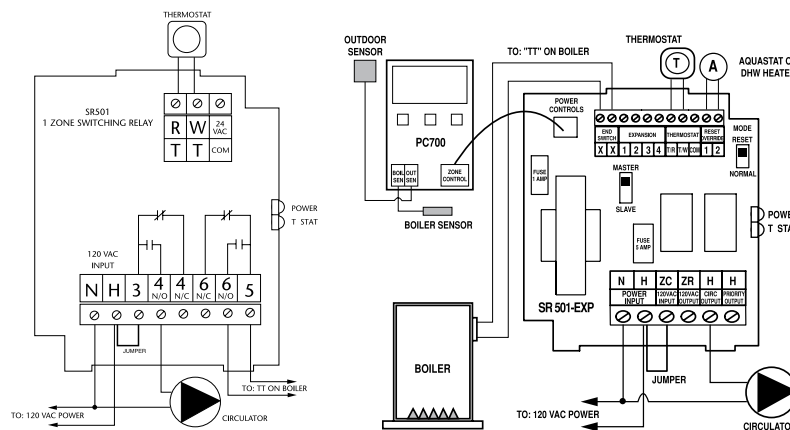
Switching Relays

The single zone switching relay should be standard equipment for every installer. No matter what type of job, our single zone switching relay replaces every brand made by every manufacturer, and will even fit into the existing metal enclosure without rewiring incoming connections. The single zone switching relay is UL and CSA listed, uses a standard "ice cube" replaceable relay and is compatible with conventional and programmable thermostats. External indicator lights provide instant diagnostic feedback, making a snap of service calls or new installation start-ups. Special SR501-845RP contractor multi-packs also available.

Taco Expandable Switching Relays

Whether you want to expand up to 20 zones or utilize the advanced features of the Add-on Power Controls, Taco -EXP controls allow for a simple integration of advanced features. Energy savings and increased comfort can be easily achieved in any new or existing system by plugging a PC700 Outdoor Reset Power Control into the SR501-EXP.

Wiring Diagram for Typical Installation



Switching Relays

Product Number	Number of Zones	Power Control Plugs	Transformer Voltage	Maximum Combined Load	Dimensions of Enclosure
					Width Height Depth
SR501	1 Zone	---	120 VAC Input	5 amps	4 1/4" 5 1/4" 2 3/4"
SR501-EXP	1 Zone	I	120 VAC Input	5 amps	4 1/4" 5 1/4" 2 3/4"
SR501-845RP	1 Zone	---	120 VAC Input	5 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 (5 A) @ 120 VAC. All relay contacts are rated for 0-240 Volts.

Taco SR501 Replacement Cross-Reference

Manufacturer	Model	Connections										
		H	N	3	4 N/O	4 N/C	5	6 N/O	6 N/C	R/T	W/T	COM
Taco	SR501	H	N	3	4 N/O	4 N/C	5	6 N/O	6 N/C	R/T	W/T	COM
	SR501-EXP	H	N	N	Circ. Output	Priority Out	X	X		R/T	W/T	COM
	SR501-845RP	L1	L2	3	4		5	6		R/T	W/T	
Argo	AR821	I	2	3	4		5	6		T	T	
	AR822	L1	L2	3	4 NO	4 NC	5	6 NO	6 NC	R/T	G/T	C
Columbus	MR10	L1	L2	3	4 NO	4 NC	5	6 NO	6 NC	R/T	G/T	C
Erie	SR100	L1	N	3	4 NO	4 NC	5	6 NO	6 NC	R/T	G/T	C
Honeywell	RA89A	I	2	3	4					T	T	
	RA832A	I	2	3	4		X	X		T	T	
	R845A	I	2	3	4		5	6		T	T	
White-Rogers	889-189	I	2	3	4					T	T	
	829-845	I	2	3	4		5	6		T	T	



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