

Single Zone Switching Relay

Make the switch! The Taco SR501 Switching Relay's layout makes short work of any job. With its compact design and front mounted diagnostic lights; make any installation a snap. Combined with the complete line of Taco zone controls, 00® circulators, thermostats and zone valves, the circuit for simplified installation and service work is complete.



Submittal Data Information Single Zone Switching Relay

Submittal Data # 101-145 & 102-375
Supersedes: 09/20/13

Effective: 10/15/18

Features

- Front Diagnostic Lights
- Simplified Wiring
- Premium Sealed Relays
- Compact Design
- Fuse Protected (with spare)
- 100% Factory Tested
- Isolated End Switch
- Contractor Friendly PC Board Layout
- Universal Thermostat Compatibility
- 24 Volt Power Output for hard wired thermostats
- Field Replaceable Transformer
- UL Approved
- Extended 3 Year Warranty
- Made in the USA

Additional EXP Features

- One Add-on Power Control Plug
- Input to override Outdoor Boiler Reset if Using PC700, When DHW Calls for Heat
- Interface with all -EXP Multi-Zone Controls

SR501-HC Features

- High Current Switching Capacity
- Capable of Controlling:
 - 1 Circulator (120 VAC) with Boiler Enable or 2 Circulators (120 VAC) without Boiler Enable or 1 Circulator (240 VAC) without Boiler Enable



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.

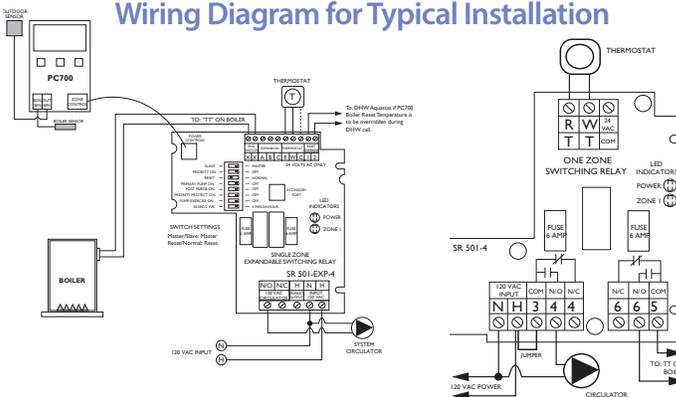
Switching Relays

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. The single zone switching relays are compatible with conventional and programmable thermostats, UL listed and come with a 3 year warranty. External indicator lights provide instant diagnostic feedback, making a snap of service calls or new installation start-ups. The SR501-HC with its high current switching capability, makes it ideal for large residential or light commercial installations.

Taco Expandable Switching Relays

Whether you want to expand up to 120 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	Transformer Voltage	Maximum Combined Load	Dimensions of Enclosure		
				Width	Height	Depth
SR501	1 Zone	120 VAC Input	12 amps	4-7/8"	6-5/8"	2-3/8"
SR501-EXP	1 Zone	120 VAC Input	12 amps	4-7/8"	6-5/8"	2-3/8"
SR501-HC	1 or 2 Zones	120 VAC Input	20 amps	4-7/8"	6-5/8"	2-3/8"

SR501 and SR501-EXP have a single phase motor rating per zone of 1/3 hp (6 A) @ 120 VAC
SR501-HC Relays has a single phase motor rating per zone of 3/4 hp (13.8 A) @ 120 VAC
All relays are rated for 0-240 Volts

Taco SR501 Replacement Cross-Reference

Manufacturer	Model	Connections										
		H	N	3	4	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 N/O	Priority Out N/C	X	X		R/T	W/T	COM
	SR501-HC	H	N	3	4		X2	X2		R/T	w1 & w2	COM
Argo	AR821	1	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	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	---



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