**Operation:** When any thermostat calls for heat, the appropriate circulator is energized and the isolated end switch (X and X) will start the boiler.

**Priority Operation:** When zone 3 is switched to the priority setting and is actuated, all other zones will stop operation until zone 3 is satisfied. When zone 3 is not switched to priority, all zones will operate independently.

**Priority Protection Operation:** When the priority switch is set to ON, and if the priority zone calls continuously for more than one hour, power is returned to all the other zones, allowing each zone to function independently. Once the priority zone is satisfied, the control’s autoreset is activated and the priority zone is again allowed to have priority for up to one hour starting from when it calls next.

**Jumper Placement:** The jumper should be placed between terminals ZC and ZR. Connect terminal ZC to ZC on the aquastat control. Connect terminal ZR to ZR on the aquastat control. Confirm polarity is consistent between boiler aquastat and switching relay.

**Power Input:** Connect 120 volt ac power input to terminals N and H. Neutral wire to terminal N. Hot wire to terminal H.

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**Weights and Dimensions:**

- **Product:** SR503-4 Switching Relay
- **Type:** Compact Design
- **Feature:** Universal Thermostat
- **Certification:** UL Approved
- **Compatibility:** Contractor Friendly PC Board
- **Wiring:** 24 volt Power Input or Output
- **Power:** 120 VAC
- **Input:** 120 VAC
- **Output:** 120 VAC

**Specifications:**

<table>
<thead>
<tr>
<th>Product</th>
<th>Number of Zones</th>
<th>Input Voltage</th>
<th>Maximum Load</th>
<th>Type 1 Enclosure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR503-4</td>
<td>3 with Priority</td>
<td>120/60/1 VAC</td>
<td>15 amps</td>
<td></td>
</tr>
</tbody>
</table>

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**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.

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**Features:**

- External Indicator Lights
- Switchable Priority
- Priority Protection
- Simplified Wiring
- Sealed Relays
- Fuse Protected Outputs
- Compact Design
- 100% Factory Tested
- Isolated End Switch
- Contractor Friendly PC Board Layout
- Universal Thermostat Compatibility
- UL Approved
- 24 volt Power Input or Output
- Terminal Extended 3 Year Warranty
- Made in the USA

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**WARNING:** Wiring connections must be made in accordance with all applicable electrical codes. Use copper wire only. 120 VAC wiring must have a minimum temperature rating of 75°C. Failure to follow this instruction can result in personal injury or death and/or property damage. 12-18 gauge wire recommended for 120 VAC connections, 14-22 gauge wire for thermoswitch connections, and 14-22 gauge wire for 24 VAC source connections.

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**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:**

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.
Do it Once. Do it Right.

TACO, INC. will repair or replace without charge (at the company's option) any product or part which is proven defective under normal use within three (3) years from the date of start-up or three (3) years and six (6) months from date of shipment (whichever occurs first).

In order to obtain service under this warranty, it is the responsibility of the purchaser to promptly notify the local Taco stocking distributor or Taco in writing and promptly deliver the subject product or part, delivery prepaid, to the stocking distributor. For assistance on warranty returns, the purchaser may either contact the local Taco stocking distributor or Taco. If the subject product or part contains no defect as covered in this warranty, the purchaser will be billed for parts and labor charges in effect at time of factory examination and repair.

Any Taco product or part not installed or operated in conformity with Taco instructions or which has been subject to misuse, misapplication, the addition of petroleum-based fluids or certain chemical additives to the systems, or other abuse, will not be covered by this warranty.

If in doubt as to whether a particular substance is suitable for use with a Taco product or part, or for any application restrictions, consult the applicable Taco instruction sheets or contact Taco at [401-942-8000].

Taco reserves the right to provide replacement products and parts which are substantially similar in design and functionally equivalent to the defective product or part. Taco reserves the right to make changes in details of design, construction, or arrangement of materials of its products without notification.

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TACO WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS OR ANY INCIDENTAL COSTS OF REMOVING OR REPLACING DEFECTIVE PRODUCTS.

This warranty gives the purchaser specific rights, and the purchaser may have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts or on the exclusion of incidental or consequential damages, so these limitations or exclusions may not apply to you.