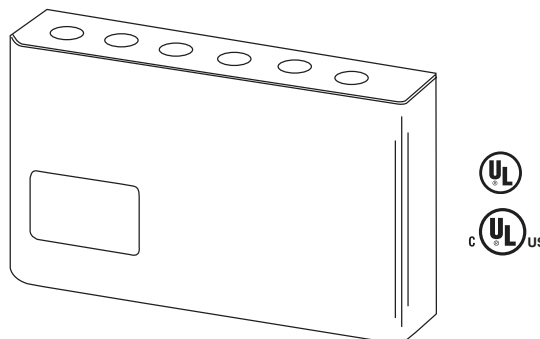


Erie™ Multi-Zone Circulator Control Relay

The SR multiple-zone series control relays incorporate up to six double pole/single throw relays (SR601/601AT) providing control of up to six circulators and a boiler operating control in a multi-zone hydronic heating system. Field selectable priority for zone 1 eliminates the need for additional relays to provide domestic hot water priority.

Features:

- Field selectable priority zone.
- Sealed contact double pole/single throw relays.
- Field replaceable relays.
- High capacity transformer.
- LED status window.
- Zone expansion up to 10 amps of total switched line voltage.
- Common 24 Vac transformer terminal.



Model Chart

Model No	Description	Priority Plus	Dimensions in. (mm)
SR201	2 zone relay with Priority Plus. ^a	Yes	5-18 x 2-15/16 x 12-5/16 (130 x 75 x 312)
SR201B	2 zone relay with Priority. ^b	No	
SR201AT	2 zone relay with auto-test.	Yes	
SR301	3 zone relay with Priority Plus. ^a	Yes	
SR301B	3 zone relay with Priority. ^b	No	
SR301AT	3 zone relay with auto-test and Priority Plus. ^a	Yes	
SR601	4 zone expandable to 6 zone relay with Priority Plus. ^a	Yes	8 x 2-7/8 x 12-3/8 (213 x 73 x 314)
SR601B	4 zone expandable to 6 zone relay with Priority. ^b	No	
SR601AT	4 zone expandable to 6 zone relay with auto-test and Priority Plus. ^a	Yes	

^a In addition to priority only logic, Priority Plus allows non-priority heating zones to be locked out for up to one hour on a call for priority domestic hot water heating.

^b Priority only logic locks out non-priority heating zones indefinitely.

Specifications

Inputs	
Power input	120 Vac @ 50/60 Hz.
Thermostat	Thermostatic anticipator setting: Set to actual current draw of system @ 24 Vac.
Outputs	
Electrical	Relay rating: 1/3 HP @ 120 Vac, Full load: 10.0 amps, Locked rotor: 43.2 amps, Resistive: 10.0 amps.
Environment	
Ambient temperature limits	Operating: maximum of 110°F (43°C).
Humidity	85% non-condensing RH.
Locations	NEMA Type 1.
Dimensions	Refer to Model Chart.
Agency Listing	UL File E9429.
	CUL Canadian Standard C22.2 #23-93.
General Instructions	Refer to F-27019.

Accessories

Model No.	Description
EXP10	Replacement relay.
T155 Series	Thermostats.
T200 Series	Thermostats.
T500 Series	Thermostats.
TA-1xx Series	Thermostats.
TC-1xx Series	Thermostats.

Typical Applications

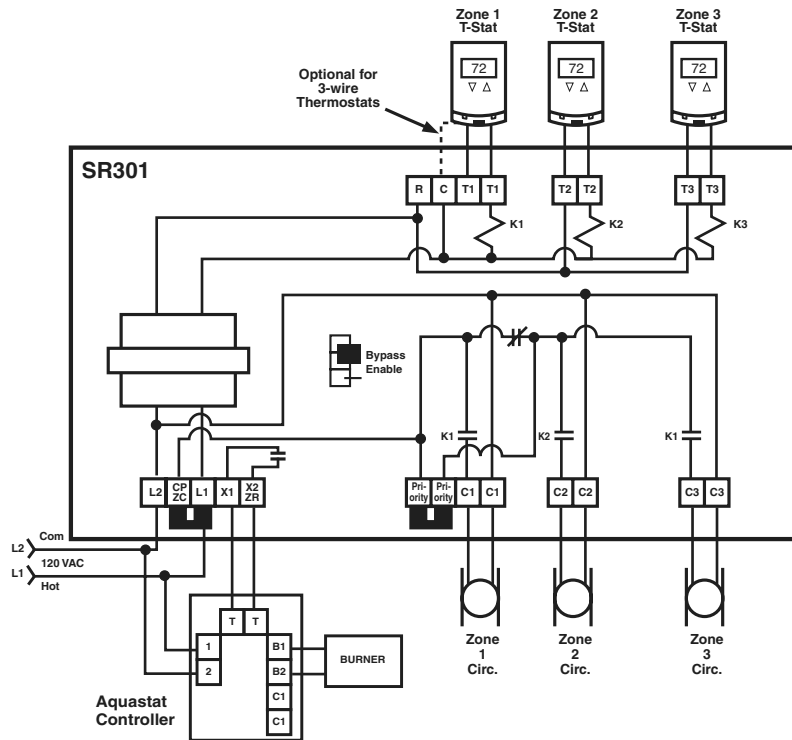


Figure 1 Typical Wiring SR301 - Boiler Controller.

SR201/301/601 Series

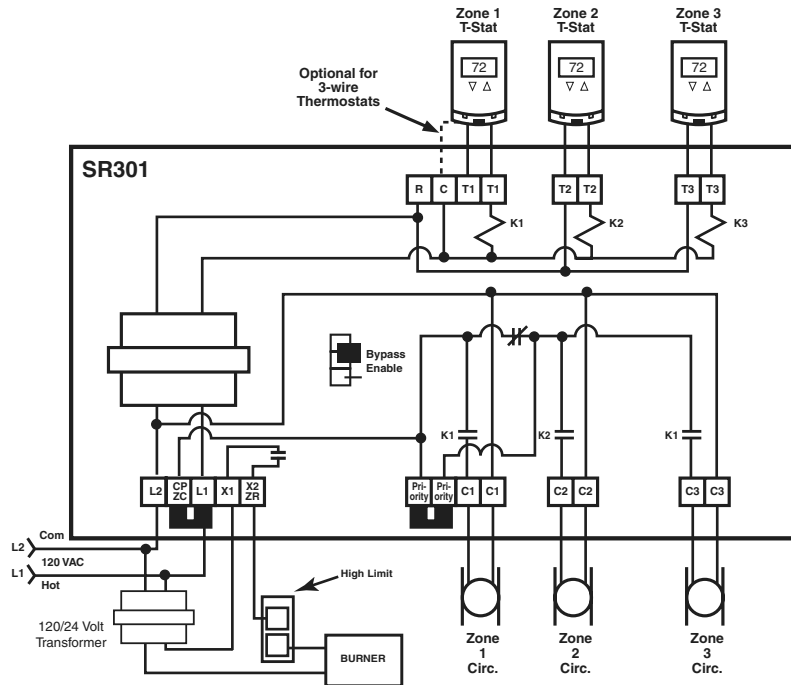
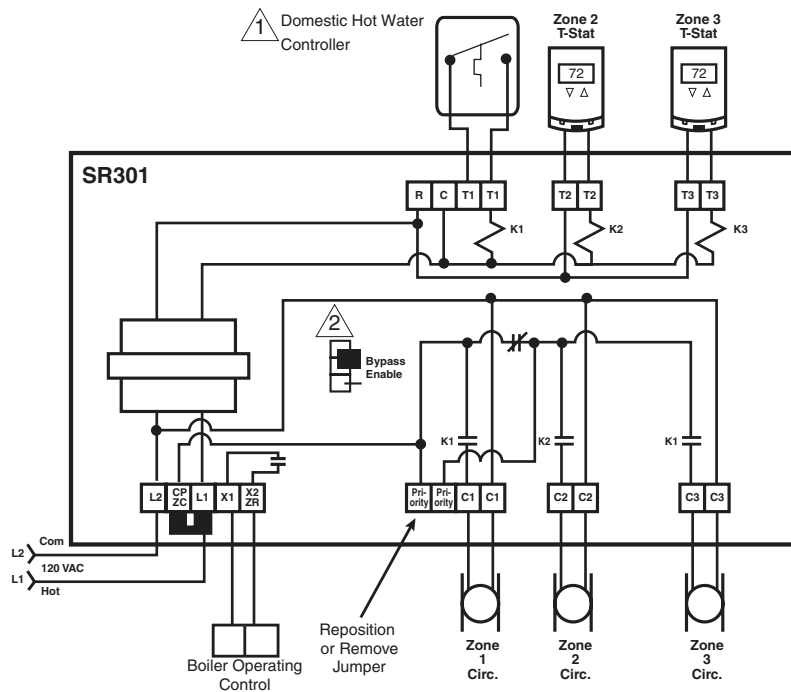


Figure 2 Typical Wiring SR301 - 24 VAC High Limit and Gas Valve.



1 DHW Controller must provide dry contacts.

2 For Priority Plus, place Bypass/Enable jumper on Enable.

Figure 3 Typical Wiring SR201, SR301, and SR601 - Domestic Hot Water Priority.

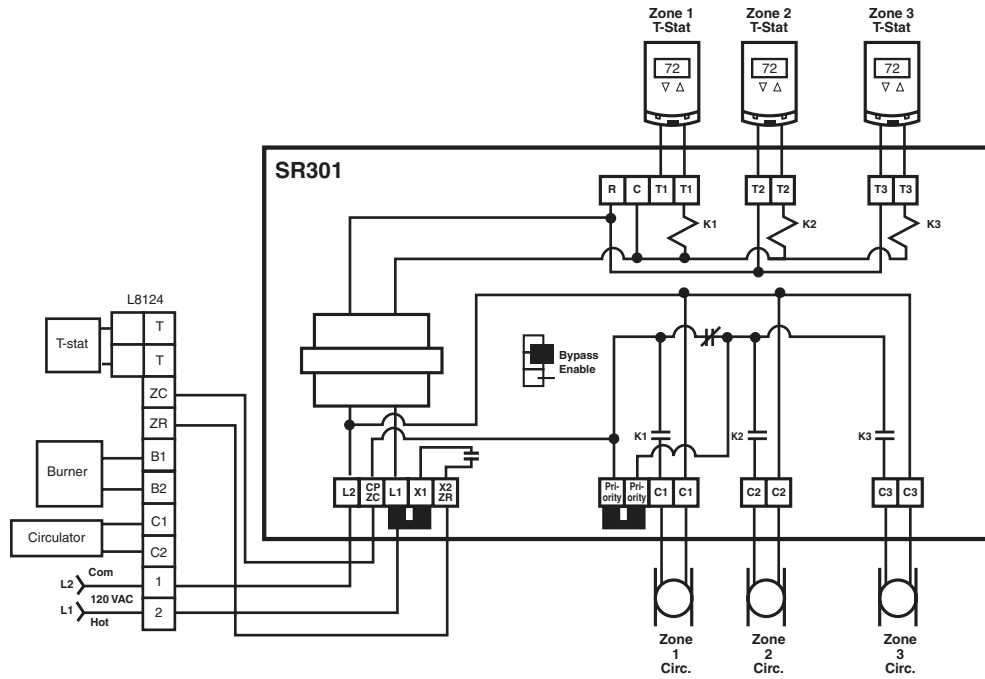


Figure 4 Typical Wiring SR301 - Tankless Coil Application.