

# Submittal

## Switching Relay 301P



Zoning

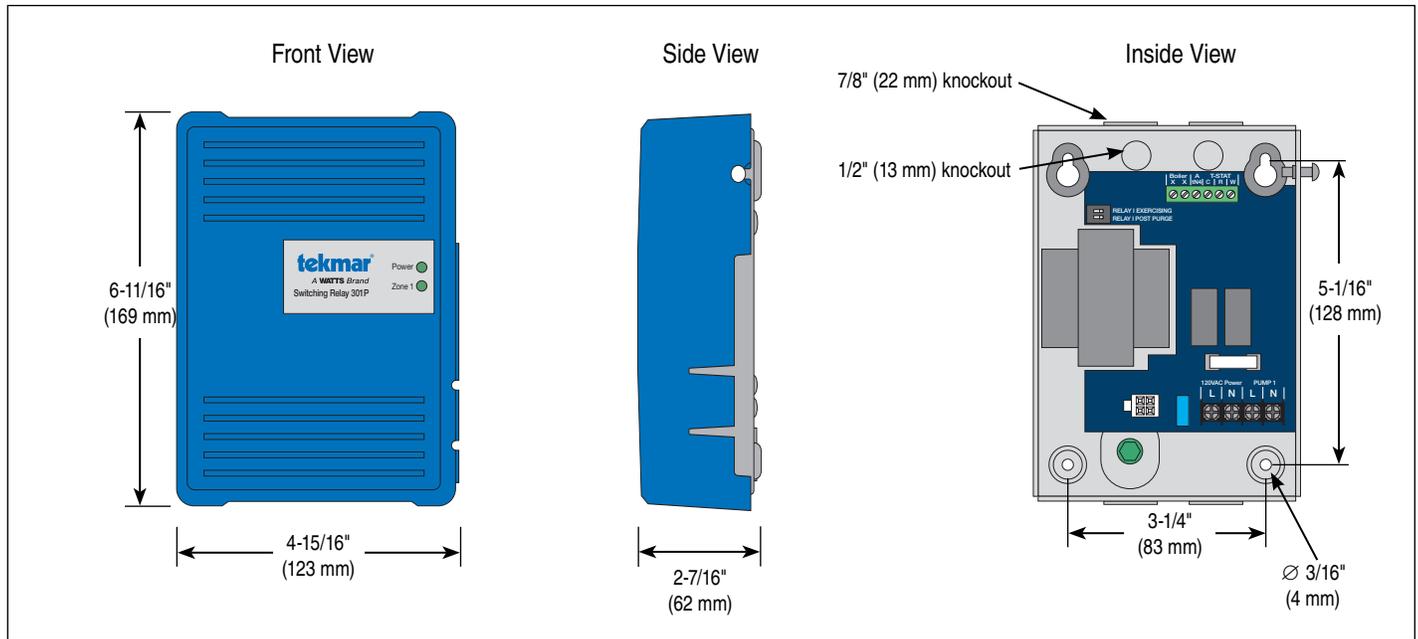
**301P\_C**

02/18

Replaces: New

Job \_\_\_\_\_ Designer \_\_\_\_\_ Contact \_\_\_\_\_

The Switching Relay 301P connects to one thermostat and operates a circulator and boiler to provide heating to a hydronic heating system. The 301P includes optional exercising to prevent circulator seizure when not in use, and optional post purge operation maximize energy savings.



### Specifications

Switching Relay 301P One Zone	
Literature	301P_C, 301P_D
Control	Microprocessor control. This is not a safety (limit) control.
Packaged weight	2.5 lb. (1125 g)
Dimensions	6-11/16" H x 4-15/16" W x 2-7/16" D (169 x 123 x 62 mm)
Enclosure	Cover: ABS plastic, Base: galvanized steel, NEMA type 1
Approvals	CSA C US
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), RH ≤90% non-condensing
Power supply	115 V (ac) ±10%, 60 Hz, 5 A
Transformer	24 V (ac), 20 VA
Control load	7.5 VA
Fuses	T5A, 250 V slow blow, spare fuse included
Pump relay	230 V (ac), 5 A, 1/3 hp
Boiler XX end switch	24 V (ac), 5 A
Warranty	Limited 3 Year (See 301P_D for full warranty)

### Features

- Compatible with all low voltage thermostats
- Pump exercising
- Post purge
- LED for power and zone
- Top, bottom and back conduit knockouts
- Fuse protects pump
- Spare fuse included
- 20 VA transformer
- Thermal circuit breaker protects transformer
- Hinged cover
- CSA approved
- 3-year warranty

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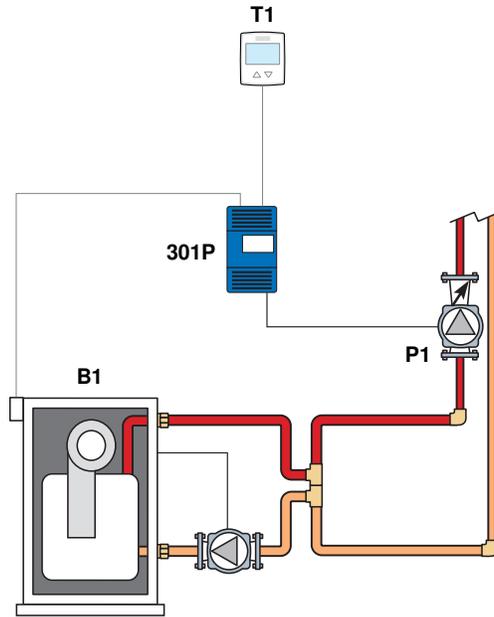
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# Sample Application Drawing

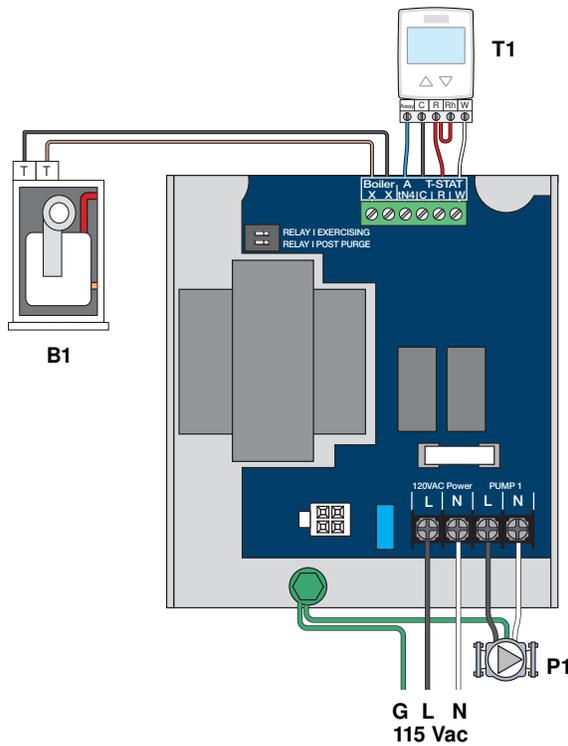
## Sample Mechanical diagram

### Legend

- B1 = Boiler
- P1 = Zone Pump
- T1 = Thermostat



## Sample Electrical diagram



**DIP Switches**  
Exercising On  
Post Purge On

### ⚠ CAUTION

This Submittal is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.



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All specifications are subject to change without notice.

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