



**TAD & ASSOCIATES, INC.**

**heat tracing specialists**



# TD-1

## PRESET SNAP-ACTION THERMOSTAT

*Controls*



Actual Size

### Description

The TD-1 is a snap action style thermostat preset at 40°F that can be configured to measure surface temperature or ambient air temperature. The thermostat has two leads that break the L1 conductor on either a self-regulating or constant wattage heater cable while the neutral remains connected to the service lead in the junction box. The TD-1 is ideal for use in freeze protection applications and is intended for use with short circuit lengths not switching more than 80% of the thermostat's registered amperage.

### Construction

- SPST contact which opens on temperature rise.
- Bimetal disc is located at bottom of stainless steel cup for surface mount sensitivity.
- Epoxy seal provides weatherproof seal from -20°F to 221°F.
- The TD-1 provides a high quality, durable, long life temperature control preset to 40°F.
- Style No. 37T21 30907



### Ratings

Resistive Amps	120VAC	240VAC	277VAC
UL Recognized	10.0	5.0	1.0
CSA Certified	8.3	5.0	—

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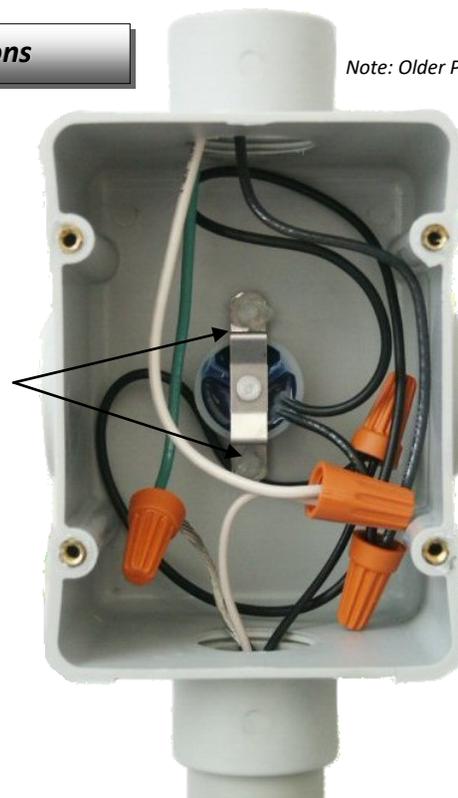
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## TD-1 Installation Options

Note: Older PL box shown.



Silicone



### Line Sensing

- Remove insulation from pipe and attach TD-1 to pipe wall to be heat traced.
- Secure TD-1 to pipe wall by passing tie wire through holes on TD-1 mounting bracket.
- Using a pair of pliers twist both ends of tie wire together until TD-1 is snug against pipe wall.
- Complete electrical connections and secure insulation.

### Ambient Sensing

- Locate two plastic retainers at the back of the PL-1 junction box (sold separately).
- Align both holes of TD-1 mounting bracket with plastic retainers in back of junction box and determine size.
- If needed, use a pair of pliers to gently squeeze edges of plastic retainers to slightly conform to holes on TD-1 mounting bracket.
- Gently apply pressure on both ends of TD-1 mounting bracket and snap onto plastic retainers.
- Ensure snug fit and apply a bead of silicone around plastic retainers and TD-1 mounting bracket.

