

The T109 is intended for applications that need a rugged, robust design.

Typical Applications:

- ◆ Warehouses
- ◆ Animal Confinement
- ◆ Greenhouses
- ◆ Industrial and Commercial

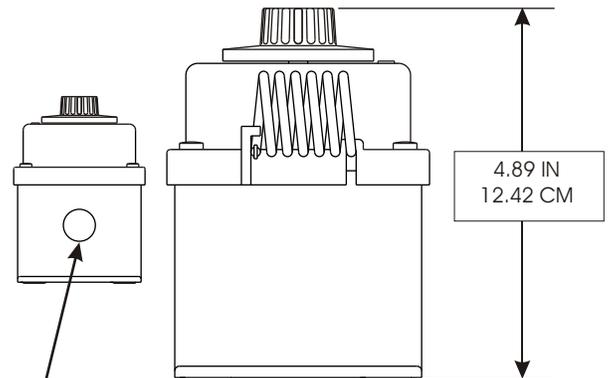
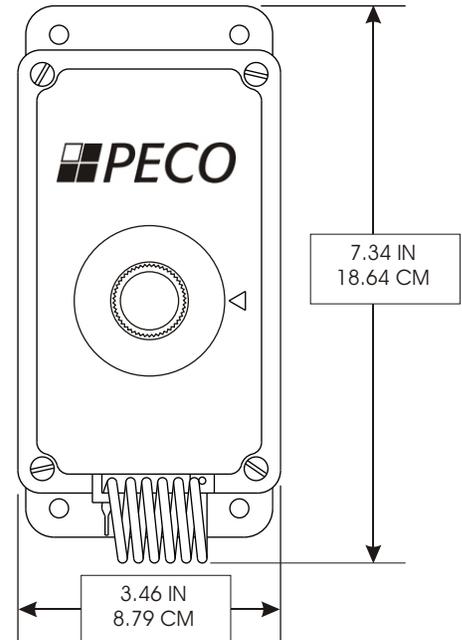
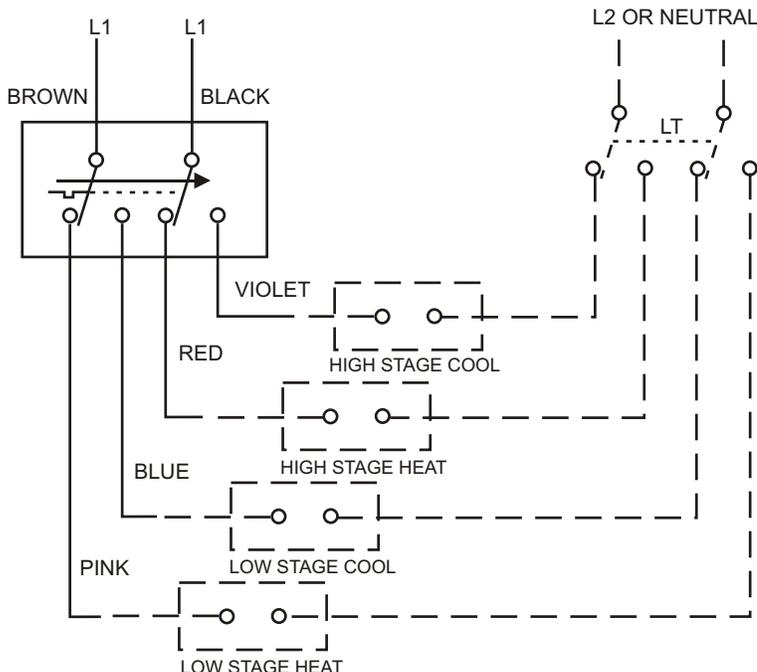
Application Notes:

- ◆ Temperature Range: 40°-100°F (4°-38°C)
- ◆ Max. Ambient Temperature: 140°F (60°C)
- ◆ Thermostat Operation: 2 SPDT switches
- ◆ Stage Separation: 3°F
- ◆ Conduit connection: 1/2" conduit size provides for UL listed rain tight cord seal or conduit hub.
- ◆ Meets: NEMA 4X
NEC Article 547-4
UL and CSA
- ◆ Staging: Brown/Pink switches to Brown/Blue @ set point
Black Red switches to Black/Violet @ 3°F above set point.

The T109 has a 2-piece molded enclosure with all exposed metal parts of stainless steel. When installed with NEMA 4X connectors, this unit provides a rugged and weatherproof construction for harsh indoor or outdoor environments.

TH109-009 Wiring Diagram

See page 2 for specific applications



A 1/2" conduit opening is located on the end of the enclosure. With cover and NEMA 4X conduit fittings (not included) properly installed, this enclosure will meet NEMA 4X raintight ratings.

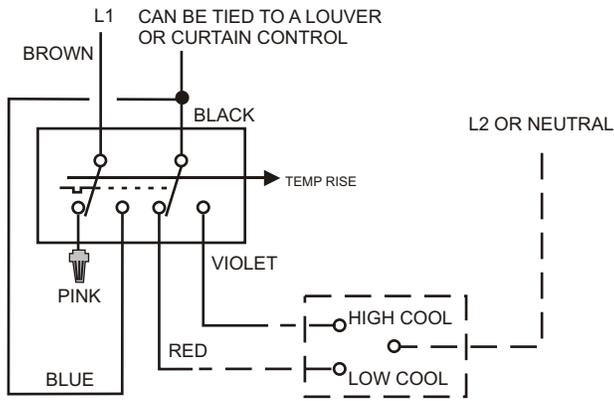
RATINGS

VAC	INDUCTIVE		RESISTIVE AMPS	PILOT DUTY
	FLA	LRA		
120	16.0	80.0	25	125 VA
208	13.2	66.0	25	125 VA
240	12.0	60.0	25	125 VA
277	10.0	50.0	22	125 VA

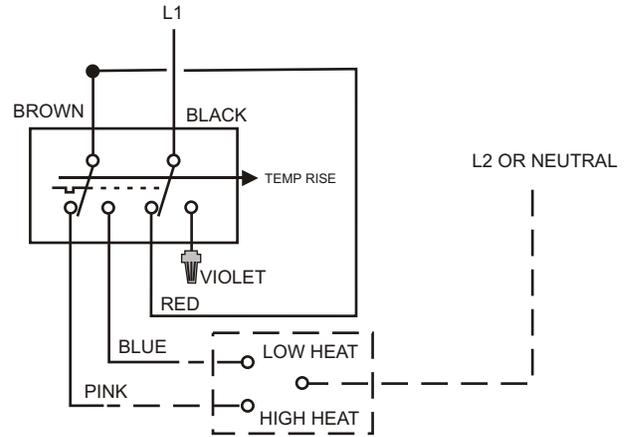
Suitability for 24 VAC Operation



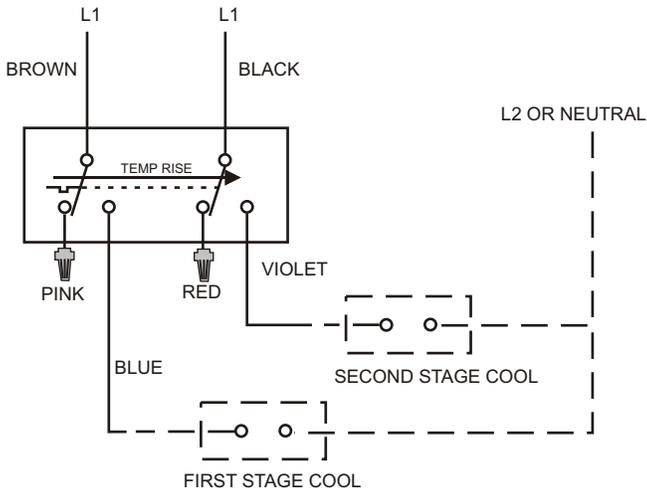
TWO SPEED COOLING EQUIPMENT



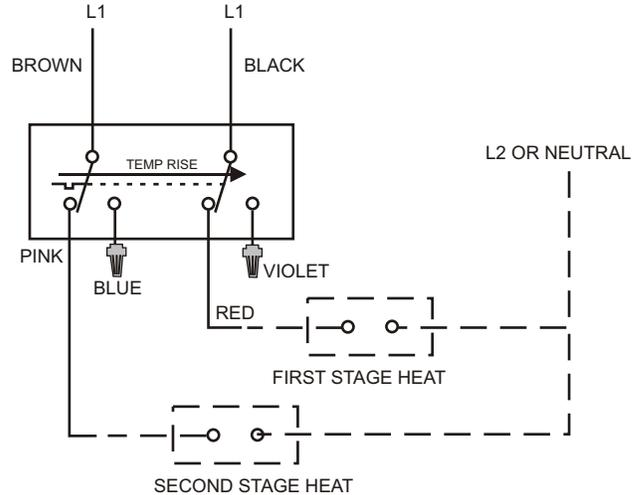
TWO SPEED HEATING EQUIPMENT



TWO STAGE COOLING EQUIPMENT

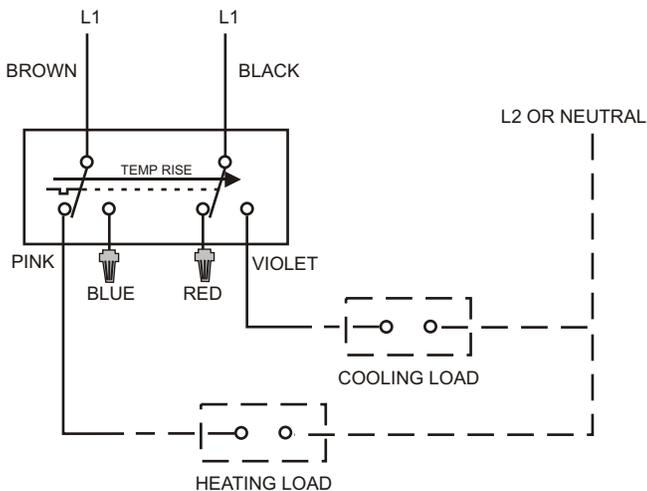


TWO STAGE HEATING EQUIPMENT



AUTO-CHANGEOVER CONTROL

1 Heat / 1 Cool with 3°F dead band



WARNING

- READ THE INSTALLATION INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THIS THERMOSTAT.
- Failure to observe safety information and comply with instructions could result in PERSONAL INJURY, DEATH AND/OR PROPERTY DAMAGE.
- To avoid electrical shock or damage to equipment, disconnect power before installing or servicing.
- To avoid potential fire and/ or explosion do not use in potentially flammable or explosive atmospheres.
- Retain the instructions for future reference. This product, when installed, will be part of an engineered system whose specifications and performance characteristics are not designed or controlled by PECO. You must review your application and national and local codes to assure that your installation will be functional and safe.