

## 14004908-001 TP973 Setpoint Stops Kit (KIT CONTAINS 10 STOPS FOR 5 THERMOSTATS)

### INSTALLATION INSTRUCTIONS

## INSTALLATION

- ❶ Disassemble TP973 as follows:
  - Use CCT735A Thermostat Tool or small screwdriver to pry off setpoint indicator.
  - Bend scaleplate locking tabs up.
  - Push together mounting posts to release scaleplate.
  - Slide scaleplate out of way.
  - Remove setpoint adjustment assembly.
- ❷ Install setpoint stops as follows:
  - Unscrew setpoint locking screw and remove bushing. Discard washer.
  - Add two setpoint stops underneath bushing.
  - Replace stops, bushing, and screw on setpoint adjustment knob. Note that bushing is keyed. Position stop tabs toward center of thumbwheel.
  - Tighten setpoint locking screw, but leave loose enough to position stops after TP973 reassembly.
- ❸ Reassemble TP973 as follows:
  - Replace setpoint adjustment assembly.
  - Slide scaleplate onto mounting posts and lock into notches to secure in place.  
NOTE: It is not necessary to bend locking tabs back in place.
  - Replace setpoint indicator.

- ❹ Position setpoint stops as follows:
  - Rotate setpoint adjustment knob to minimum setpoint value and position stop against scaleplate.
  - Rotate setpoint adjustment knob to maximum setpoint value and position stop against scaleplate.
  - Verify that stops are positioned properly and tighten setpoint locking screw.
  - After installing this kit, recalibrate the thermostat.

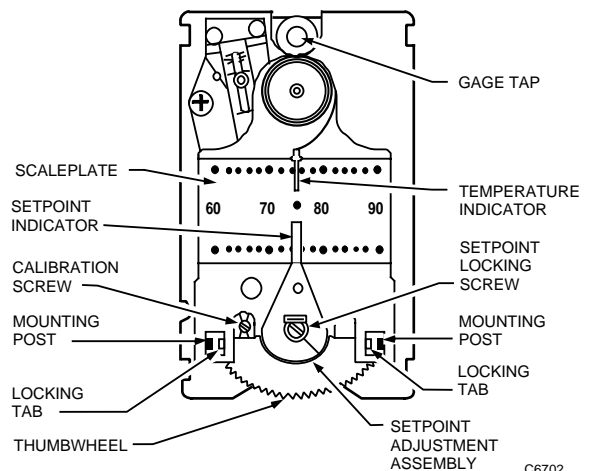


Fig. 1. TP973 Thermostat.



## RECALIBRATION

Set thermostat to desired setpoint and let system operate long enough to stabilize. The length of time for stabilization depends on system response time. Verify that system has stabilized before recalibration.

- ① Check calibration as follows:

Direct-Acting Thermostats	Reverse-Acting Thermostats
Use test thermometer to measure actual space temperature.	
Turn setpoint indicator <i>down</i> to 5°F (2.8°C) below room temperature.	Turn setpoint indicator <i>up</i> to 5°F (2.8°C) above room temperature.
Wait 30 to 60 seconds so thermostat can build branchline pressure.	
Slowly turn <i>up</i> setpoint indicator.	Slowly turn <i>down</i> setpoint indicator.
If thermostat begins to bleed off between 1 and 3°F (0.6 and 1.7 °C) <i>below</i> room temperature, no recalibration is needed.	If thermostat begins to bleed off between 1 and 3°F (0.6 and 1.7 °C) <i>above</i> room temperature, no recalibration is needed.

- ② Recalibrate TP973 as follows:
- Use test thermometer to measure actual temperature of space.
  - Use CCT735A Thermostat Tool to remove thermostat cover.
  - Assemble gage and gage port needle. Insert gage port needle into thermostat gage tap.
  - Turn thumbwheel until setpoint indicator reads measured room temperature.
  - Turn calibration screw until gage reads 0 psi.
  - Turn calibration screw in opposite direction until gage reads 8 psi  $\pm$ 1 psi (56 kPa  $\pm$ 7 kPa).
  - Remove gage. Set thermostat at desired temperature.
  - Replace thermostat cover.

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