BLOOMFIELD

WELLS BLOOMFIELD, LLC

2 ERIK CIRCLE, P. O. Box 280 Verdi, NV 89439 telephone: 775-689-5707 fax: 775-689-5976 *www.wellsbloomfield.com*

PART # 86280 RETROFIT COTHERM THERMOSTAT Standard Brewers

INSTALLATION INSTRUCTIONS

Kit #86280 retrofits existing metal-shell thermostat with new hi-tech resin-bodied thermostat.

PREPARATION:

- 1. Disconnect brewer from electric power and allow to cool. Shut off water supply to brewer.
- 2. Remove top, front and/or back panels as required for access to thermostat.
- 3. Disconnect wiring from old thermostat. Loosen two screws holding thermostat to tank cover.
- 4. Remove thermobulb gland nut from tank cover. Withdraw thermobulb from fitting. Discard thermostat assembly.

INSTALLATION:

- 1. Insert bulb well into fitting on tank cover. Be sure well is fully seated in fitting.
- 2. Insert thermobulb into bulb well. Be sure bulb is inserted to the extreme bottom of the well.
- 3. Carefully insert capillary seal components into tank fitting.

IMPORTANT: Tighten gland nut only enough to prevent leaks. Over-tightening is not necessary.

- 4. Mount thermostat body to tank bracket. Reconnect wiring.
- Reconnect brewer to electrical and water supplies. Test brewer for proper operation. Refer to page 2 for temperature adjustment procedure.

Upon completion, reinstall access panels.



Unplug brewer from electric power before beginning this procedure.

600



Allow brewer to cool before proceeding.



Fig. 1 Thermobulb Installation

PRINTED IN UNITED STATES OF AMERICA



NOTE:

to 96°C).

IMPORTANT:

CAUTION: SHOCK HAZARD

These procedures involve exposed electrical circuits. These procedures are to be performed by qualified technical personnel only.

Optimum brewing temperature range is 195°F to 205°F (90°C

A mechanical thermostat will

maintain temperature within

be adjusted to a maximum

±5°F. To prevent boiling water in the brewer, thermostat should

temperature equal to the local

boiling temperature minus 5°F.

TEMPERATURE ADJUSTMENT

NOTE: This is a typical adjustment procedure for a standard displacement brewer. Your exact procedure may vary depending on the method of adding cold water to the water heater.

- 1. Disconnect brewer from electric power. Remove top panel.
- 2. Pull vent tube out of tank lid and insert a thermometer of known accuracy in vent hole.



Fig. 2 Checking and Adjusting Brew Temperature

- 3. Place an empty container under brew chamber. Reconnect brewer to electrical power. Energize brewer. Press TANK HEATER switch *ON* where applicable.
- 4. Press BREW switch *OR* pour one decanter (64 oz.) of cold water into pour-over opening. When READY TO BREW light glows (or HEAT light goes dark), read temperature displayed on thermometer.
- 5. Adjust thermostat by turning shaft; clockwise increases temperature counter-clockwise decreases temperature.

NOTE: 1/8 turn = approximately 10°F.

Refer to Table 1 below for proper brewing temperature based on altitude.



Table 1 Boiling Temperature by Altitude

6. Upon completion, remove thermometer and reinstall vent tube.

600 76697 Instr Retro Cotherm Thermo