

TECHNICAL BULLETIN

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Subject: Thermostat – Pour-Over Brewers
Applies to: CBS-31P & CBS-31Pap Coffee Brewers

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This bulletin supersedes Technical Bulletin 15.

The analog thermostat used in models CBS-31P and CBS-31Pap pour-over coffee brewers has been replaced by a new digital thermostat. The new thermostat operates the same way as the digital thermostat introduced in Technical Bulletin 14 for several other models. However, these two digital thermostats are not interchangeable.

The new thermostat is interchangeable with the old style analog thermostat, so it can be used as a replacement part in existing equipment. Please note that the LOAD and L1 terminals are in different positions on the new thermostat.

The new thermostat has two temperature probe connections. The blue screw-terminal connection will accept the 2-wire analog temp probe that has been used for many years. The white socket will accept the plug on the new style digital temp probe.

Electrical Config.	Old Part Number / Description	Replaced by
120 VAC USA, Canada	53012 or 53012P thermostat, 120V	K045 digital thermostat, 100-120VAC (Includes thermostat and instructions)
220 VAC Export	53023 or 53023P thermostat, 220V	K046 digital thermostat, 200-240VAC (Includes thermostat and instructions)

Use either temperature probe listed below.

53015 temperature probe, 14" (analog)
102198 digital temp. probe assy., 14"

Thermostat range: 177° F to 208° F.

When power to the brewer is turned on, the readout will display either "An" (analog), or "dl" (digital), for 2 seconds to indicate which type of temp probe is installed. Next, the readout will flash and display the last two digits of the temperature setting for 3 seconds. (Due to space limitations, the readout shows only the last two digits.)

During normal operation, the digital readout displays the last two digits of the actual water temperature. When the adjustment tool is turned, the readout begins flashing to indicate the set point, instead of the actual temperature. After the adjustment tool is released, the readout stops flashing and displays the actual temperature again.

The dots below the numbers indicate the displayed temperature range.

Examples:

0 dots – less than 100° F		= 75°F
1 dot – 100° to 200° F		= 187°F
2 dots – over 200° F		= 203°F

A red LED lights when the power to the thermostat is on. A yellow LED lights when the thermostat is calling for heat.