

NOTE: Default temperature is 77° F

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INSTRUCTIONS – COOLER CONTROLLER Model 7619

WARNING: House Voltage can be lethal. Turn off power before installing Cooler Controller. The installer must be technically qualified for this type of installation. A qualified electrician should check all wiring and circuit breakers and be sure that the cooler is correctly grounded.

CAUTION: Turn the Cooler Controller switch to “off” position before turning power “on”. Read all instructions first before installation.

IMPORTANT: Your Cooler Controller includes a Reset Button (see Figure). When necessary, push button to reset unit. Use included calibration tool (or equivalent) to depress reset button.

INTRODUCTION

Your digital thermostat controls a standard 115vac, 60Hz, residential evaporative cooler with blower motors from 1/3 HP up to 1 HP.

Manual slide switches allow for 5 different cooler settings: Off, Fan Only - High Speed (High Vent), Fan Only - Low Speed (Low Vent), Fan / Pump - High Speed (High Cool) or Fan / Pump - Low Speed (Low Cool).

A Liquid Crystal Display (LCD) constantly displays the room temperature. Once a Set Point Temperature (SPT) is defined, the controller will operate the cooler until it reaches a temperature that is 3 degrees below the SPT. The default SPT is 77 degrees F (for example, during initial set up, and in the event of power failure).

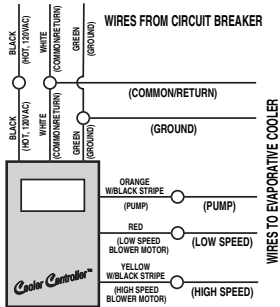
FEATURES

- Electrical Ratings: 115vac, 60Hz, Up To 1 HP Blower Motor @ 13 Amp, 2 speed, 1 Amp Pump
- Room temperature constantly displayed
- Temperature adjustment always accessible
- High impact ABS case
- Case door covers operating control slide switches
- Dual slide switches for cooler operations: OFF, LOW VENT (Fan Only & Low), HIGH VENT (Fan Only & High), LOW COOL (Fan / Pump & Low), HIGH COOL (Fan / Pump & High)
- Power/Pump “ON” green LED indicator light
- “4-Minute Pre-Start Mode”: Includes 4-minute pad pre-wet (pump “on”) or 4-minute system delay (pump “off”)
- Green LED “on” when controller is “on”
- Green LED blinks during “4-Minute Pre-Start Mode”
- Installs in standard single gang electrical junction box
- Two gang wall plate adapter available separately (PN 7616)
- Loss of power default temperature setting of 77 Degrees F
- Reset Button

INSTALLATION

IMPORTANT: TURN OFF ELECTRICITY AT CIRCUIT BREAKER BEFORE WORKING ON COOLER CONTROLLER OR EVAPORATIVE COOLER.

Your Cooler Controller mounts into a standard 2” x 4” single gang electrical junction box. An adapter plate is available separately to mount the Cooler Controller into a two-gang box. For new installations, locate your Cooler Controller so that it senses average house temperatures and is not subject to unusual temperature variations. Avoid positioning it nearby an air conditioning vent or within an immediate area of a heat-generating appliance. Normally a hallway location is ideal.



With circuit breaker turned off, connect the thermostat wires as shown within the Electrical Diagram. Use wire nuts supplied. Position all wiring into junction box. Mount thermostat to junction box using the screws provided.

If replacing a manual, 6 position rotary wall switch with the Cooler Controller: Your old manual, 6 position rotary wall switch has 4 wires connected to it. See table below and follow electrical diagram referenced above for proper wiring connections:

IMPORTANT: In order for your Cooler Controller to function properly, all 6 wires must be connected correctly. Thus, the white wire of the Cooler Controller MUST be connected to the Common (Return) wire of the evaporative cooler. Also, the green wire of the

Cooler Controller MUST be connected to the Ground wire of the cooler. If you cannot locate these two wires (white and green) within your existing junction box, then you MUST install a white and a green wire from your cooler to this Cooler Controller junction box. **WARNING:** House Voltage can be lethal. The installer must be technically qualified for this type of installation.

SET-UP AND OPERATION

Once your Cooler Controller is properly installed, only two other steps need to be performed in order for your digital thermostat to operate as intended. First, position the two slide switches for the desired cooler operating setting. Second, program the Set Point Temperature (SPT).

Turn circuit breaker back “on.” The LCD should be blinking “77F.” Open case door to uncover the two manual slide switches. These two switches allow for 5 different cooler settings: OFF, or Fan Only - High Speed (High Vent), or Fan Only - Low Speed (Low Vent), or Fan / Pump - High Speed (High cool) or Fan / Pump - Low Speed (Low Cool). Position slide switches to desired operating settings. Regardless of the slide switch settings, a “4-Minute Pre-Start Mode” will occur before the Cooler Controller turns on the blower motor. If the top switch is in the “Fan / Pump” position, then the Cooler Controller will pre-wet the pads for

4 minutes. If the top switch is in the “Fan Only” position, then the Cooler Controller will simply delay the starting of the blower motor for 4 minutes. The green LED will blink during this “4-Minute Pre-Start Mode.”

To establish the Set Point Temperature (SPT), simply push the UP or DOWN arrow buttons until the desired SPT value is displayed on the LCD. At this point, the Cooler Controller will flash that value for 10 seconds and will then operate the cooler until it reaches a temperature that is 3 degrees below the SPT. To change the SPT, again simply push the UP or DOWN arrow buttons per above.

TEMPERATURE CALIBRATION

Some installations may require temperature calibration. A display temperature calibration adjustment screw is located above and to the left of the slide switches. A calibration tool is provided. Calibrate unit only after blower motor has been “on” for over 5 continuous minutes. By turning the calibration adjustment screw, the display temperature will change. Adjust the display temperature by only 1 or 2 degrees at a time. Do not calibrate unit more than once per day. Do not calibrate unit by more than 2 degrees at a time. Repeat this calibration step as deemed necessary.

POWER OUTAGES & RESETTING COOLER CONTROLLER

If your Cooler Controller does not respond properly after a power outage, then either an internal component has failed (which is not covered by product warranty), or the unit needs to be reset. To reset unit, push reset button using supplied calibration tool (or equivalent). See Figure. If unit responds properly, then change SPT as desired.

IMPORTANT NOTES

- Not for use with 240VAC, nor low voltage (e.g. 24vac), input power.
- If a power outage occurs, the LCD will reset the SPT to 77 degrees F. The LCD will also display 77 degrees in a blinking fashion.
- One speed blower motors can be used with your digital thermostat. Simply connect the high or low speed wire of the thermostat to the blower motor, cap the unused thermostat wire (low or high) and position the bottom slide switch to the corresponding compatible speed.

LIMITED WARRANTY

1. Cooler Controller is warranted under normal use for 90 days from date of sale to user. In event of defect or failure, replacement is made through your authorized dealer or retailer.
2. Reason for replacement, purchase date, failure date, and sales receipt must accompany Cooler Controller returned for replacement.
3. Warranty is void if Cooler Controller has been abused, altered or improperly installed.
4. We do not pay the cost of a service call at the site of installation to diagnose cause of trouble or the cost of labor or transportation to replace a defective Cooler Controller.
5. We are not responsible for any incidental or consequential damage resulting from any malfunction unless required to do so by law.