

## Function Menu

| Code      | Function         | Range                 | Default |
|-----------|------------------|-----------------------|---------|
| <b>HC</b> | Heating/Cooling  | C: Cooling H: Heating | C       |
| <b>d</b>  | Differential     | 1.0°F-80.0°F          | 5.0°F   |
| <b>LS</b> | Low Temp. Alarm  | -58°F - Set Temp.     | -58°F   |
| <b>HS</b> | High Temp. Alarm | Set Temp. - 230°F     | 230°F   |
| <b>CA</b> | Calibration      | -12.0°F - 12.0°F      | 0.0°F   |
| <b>PE</b> | Delay Start      | 0-7min                | 1min    |

## Error Code

| Code        | Fault            | Solution                           |
|-------------|------------------|------------------------------------|
| <b>EE1</b>  | Sensor Error     | Check Wires or Replace Sensor      |
| <b>HH1*</b> | High Temp. Alarm | Service Condensing Unit / Clean    |
| <b>LL1*</b> | Low Temp. Alarm  | Check Probe Accuracy. Service Unit |

\* Disabled by default (Is set to highest and lowest temps for control)

## Indicator Lights

| Indicator Lamp                                                                      | Status   | Description                     |
|-------------------------------------------------------------------------------------|----------|---------------------------------|
|   | ON       | Compressor On (Cooling)         |
|                                                                                     | OFF      | Compressor Off (Cooling)        |
|                                                                                     | Flashing | Delay for set time              |
|  | ON       | Heating On                      |
|                                                                                     | OFF      | Heating Off                     |
|                                                                                     | Flashing | Delay for set time              |
| <b>SET</b>                                                                          | ON       | Settings Menu / Change Settings |
|                                                                                     | OFF      | Normal Operation                |



Beverage Equipment Company  
P: 414-764-2211  
<https://bevequip.com>

## Microcomputer Temperature Control

LED display temperature controller for use in refrigeration/heating heating applications.



Keep away from water, device is not waterproof/water resistant.

## Basic Operation

Keys: Set; Rst; UP; DOWN

|            |                                                                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Set</b> | Press once to adjust temperature.<br>Press and hold to access Function Menu.                                                                                                                                                        |
| <b>Rst</b> | When in settings of either temperature or Function Menu press Rst to save and exit.<br>Resetting to defaults: turn off the Controller hold Rst for 5 seconds and press Rst to turn controller back on and restore default settings. |

Use up and down to cycle through settings.

## Specifications:

Temperature Measuring Range: -58°F - 230°F  
Resolution: 0.1°F  
Accuracy: +/- 2°F  
Input Sensor: NTC  
Output Relay: 30A (3300W 110v)  
Operating Conditions: 0°F - 140°F, 20-80% Humidity  
Power Consumption: <3W  
Cut-out Size: 2.8" x 1.14"

Temperature Calibration:

Adjust the value up or down to satisfy the correction in temperature. Best way to do this is use a cup of ice water and adjust to 32F

Heating / Cooling Mode:

Cooling

Cooling turns on Above (Set Temp. + Differential) and turns off when reaches set temperature.

Heating

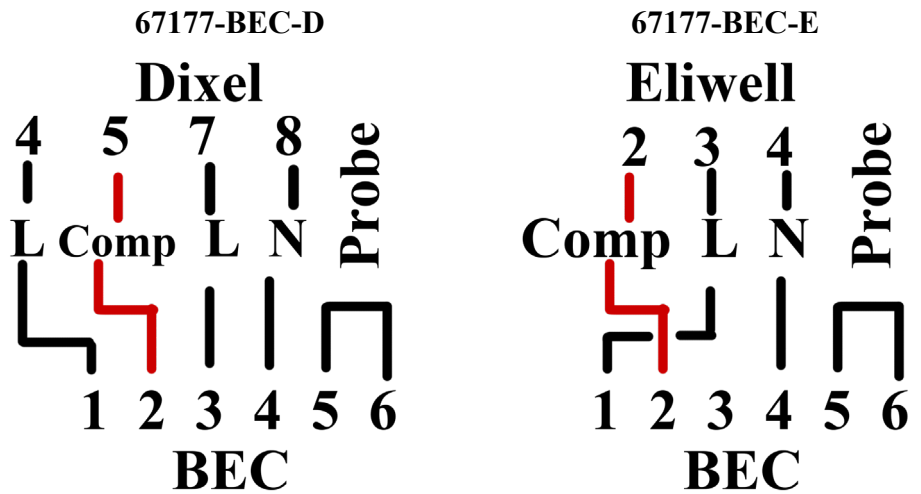
Heating turns on Below (Set Temp. + Differential) and turns off when reaches set temperature.

Delay Time: Refers to the time before the control will start normal operation after powering on.

High and Low Temperatures: are the temperature at which the control will alarm at.

Perlick Replacement

For more accurate sensing keep probe wires away from power wires.



| BEC Control | Dixel | Eliwell | Funtion         |
|-------------|-------|---------|-----------------|
| 1           | 4     | 3       | L               |
| 2           | 5     | 2       | Compressor/Load |
| 3           | 7     |         | L               |
| 4           | 8     | 4       | N               |
| 5           |       |         | Probe           |
| 6           |       |         | Probe           |

Male connectors allow using the wires from the Eliwell control to be connect-  
ed to our digital control.

Place the probe into the top of the bath  
and down into the liquid.

Adjust control to 28F-30F.

The differential can also be adjusted  
down to 3 from 5 if bath temp. ranges  
to greatly.



Scan for more information