Bosch Connected Control
BCC100 Thermostat

Overview

Product Specifications

- 5 Inch Touch Screen 854 x 480 Pixels
- 7 Relay Outputs (Terminals) G, Y1, Y2, W1, W2, O/B, H/dH
- 1 Data Input (Pulse signals from Bosch WSHP)
- Displays Bosch Water Source Heat Pump Fault Messages
- Wi-Fi (802.11a/b/g/n) 2.4GHz (not compatible with 5GHz)
- FCC and IC Certification
- 5 Year Limited Warranty (see website for details)

Product Compatibility

- Conventional (Gas, Oil, Electric): Up to 2 Heat / 2 Cool
- Heat Pump (O/B to energize reversing valve in cool/heat): Up to 4 Heat / 2 Cool
- Supports up to 1 Accessory Unit: Humidifier or Dehumidifier (not provided by Bosch)
- Unit Modes: Heat, Cool, Auto, Off, Emergency Heat
- Fan Modes: Auto, On, Circulate
- Supports 2 Transformer Systems (Rh and Rc)
- C-Wire Required for Installation
- Supports Active and Passive Dehumidification without the need for external relays, such as Bosch Water Source Heat Pump products equipped with a Hot Gas Reheat Coil and/or ECM motor
## Models and Part Numbers

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Heat</th>
<th>Cool</th>
<th>Humidify / Dehumidify*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bosch Connected Control (BCC100)</td>
<td>8-733-948-009</td>
<td>4</td>
<td>2</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## Physical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Rating:</td>
<td>24 VAC (18-30 VAC), 1 amp maximum per output terminal, 7 amp maximum total load</td>
</tr>
<tr>
<td>DC Power:</td>
<td>5 VDC (USB)</td>
</tr>
<tr>
<td>AC Power:</td>
<td>18 - 30 VAC</td>
</tr>
<tr>
<td>Temperature Control Range:</td>
<td>45°F to 99°F (7°C to 37°C) Accuracy: ±1°F (±0.5°C)</td>
</tr>
<tr>
<td>Anti-short Cycle</td>
<td>1 min - 5 min (3 min default)</td>
</tr>
<tr>
<td>Backlight Operations:</td>
<td>Brightness: Low, Medium, High</td>
</tr>
<tr>
<td></td>
<td>Screen Timeout: 20 sec, 60 sec, 180 sec</td>
</tr>
<tr>
<td>Humidity Control Display Range:</td>
<td>0% - 100% RH +/- 5%</td>
</tr>
<tr>
<td>Humidity Control Setpoint Range:</td>
<td>30% - 90% RH</td>
</tr>
</tbody>
</table>

* Humidifier and dehumidifier are not provided by Bosch.

## Thermostat Dimensions

![Thermostat Dimensions Diagram](image)

- 5.20" (132 mm)
- 3.07" (78 mm)
- 0.98" (25 mm)
- 0.67" (17 mm)
Wall Plate Dimensions & Terminal Designations

- 5.10" (130 mm)
- 0.32" (8 mm)
- 0.15" (4 mm)
- 0.43" (11 mm)
- 0.295" (7 mm)
- 2.97" (75 mm)