Bosch Connected Control BCC110 Thermostat

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Overview

- Main Menu
- Wi-Fi / Cloud Access Indicator
- System Mode / Status
- Fan Mode / Status
- Humidity Setup
- Current Space Humidity
- Current Room Temperature
- Set-Points
- Current Schedule
- Adjust Temperature Set-Points
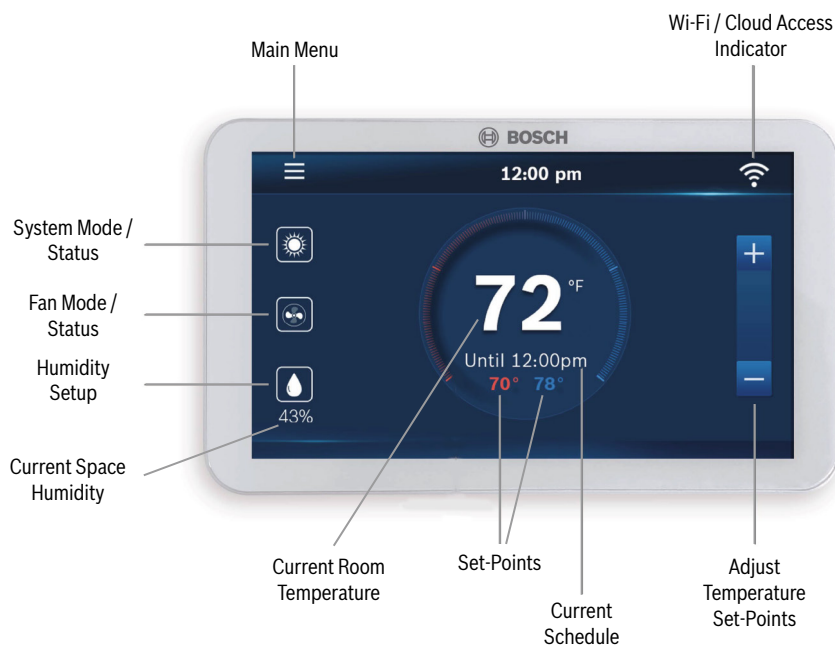
Specifications & Compatibility

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 Dehumidifer (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
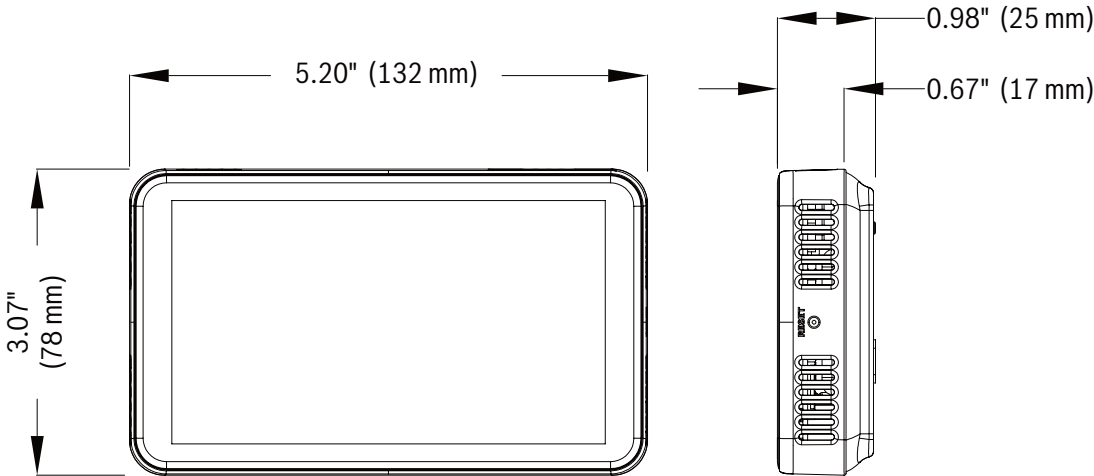
Tel: 1-800-283-3787   www.bosch-homecomfort.us

Models and Part Numbers

Description	Part Number	Heat	Cool	Humidify / Dehumidify*
Bosch Connected Control (BCC110)	7-738-007-442	4	2	Yes

Physical Data

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

* Humidifier and dehumidifier are not provided by Bosch.

Thermostat Dimensions

5.20" (132 mm)

3.07" (78 mm)

0.98" (25 mm)

0.67" (17 mm)

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Wall Plate Dimensions & Terminal Designations

Bosch Thermotechnology Corp.
Watertown, MA • Londonderry, NH • Ft. Lauderdale, FL

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