

Product Data

EVOLUTION® CONNEX™ CONTROL

Bryant specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential heating and cooling products. The Evolution® Connex™ Control System is the ultimate control center for all of your system components. When you add an Evolution Connex Control to a compatible variable speed furnace or fan coil, you will enjoy longer heating and cooling cycles at lower fan speeds for a more consistent temperature throughout your home. By adding a variable speed or 2-stage outdoor unit, you will enjoy extra benefits which include better humidity and temperature control as well as a more energy efficient comfort system. When paired with Evolution® Zoning controls, the Evolution Connex Control allows you to create up to 8 zones of customized comfort.

The Evolution® Zoning system does not require a bypass damper, leaving air temperature (LAT) sensor, or field-installed power transformer.

INDUSTRY LEADING FEATURES / BENEFITS

Bryant's revolutionary Evolution Connex Control is the smart control of the future. The Evolution Connex Control features a high resolution display, making it easier to read. Intuitive prompts let you program everything from humidity levels to fan speeds, giving you the ultimate control over your home comfort. Other features include:

- 4-wire installation from each component in the system
- Evolution® Zoning
- Intuitive on-screen prompts for ease of installation and service
- Perfect Humidity™ settings are the default no longer requiring increased system setup
- Complete integration of the temperature, humidity and ventilation in every season
- 7-day programmability with Lifestyle Comfort Profiles and Touch-N-Go® features
- Easy timed-override schedule
- Simplified vacation schedules
- Day-at-a-glance programming for simplified ease of use
- Programmable fan by period
- TrueSense™ Dirty Filter Detection
- Indoor Air Quality pop up reminders
- General maintenance reminder messaging
- Wi-Fi remote access capability (SYSTXBECW01)
- Photo, dealer info, and software update USB upload capability

NOTE: NOT compatible with SAM or Small Packaged Products.



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NOTE: Evolution® Connex™ Control compatible with Evolution® rated equipment only.

US Patents: Carrier® U.S. Pat No. 7,243,004, Carrier® U.S. Pat No. 7,775,452, pointSET™ U.S. Pat No. 7,415,102

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12
S	Y	S	T	X	B	B	E	C	W	0	1

Product Type

Evolution® System

Brand

Bryant

Packaged Quantity

01

Model Type

ECW – Evolution Connex Control with Wi-Fi & Wireless
Access Point

ECN – Evolution Connex Control (non-Wi-Fi)

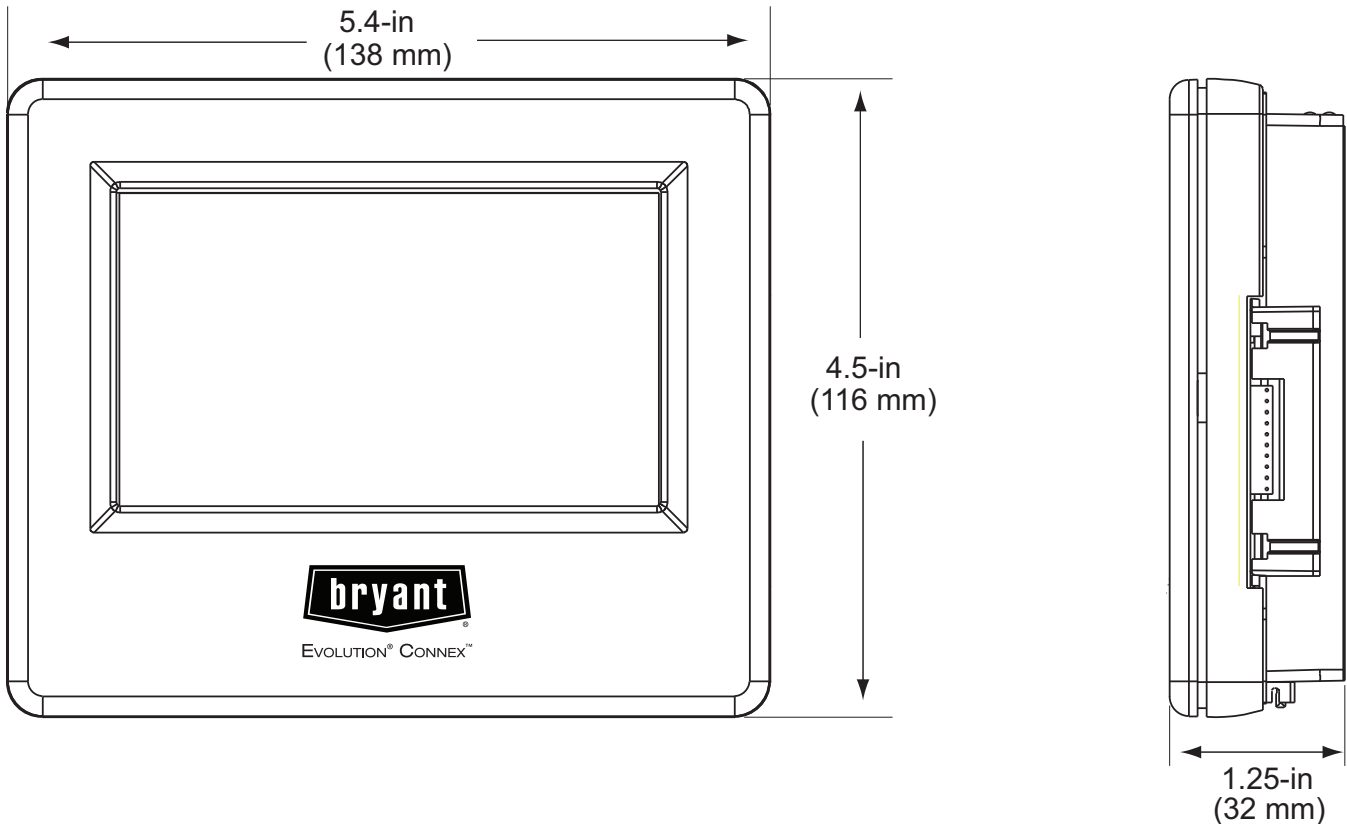


Fig. 1 - Unit Dimensions

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PRODUCT DATA INFORMATION

Compatible Communicating Products

Compatible with most Evolution® System indoor and outdoor equipment built since 2004; see equipment specifications for details

NOT compatible with:

- Evolution® Small Package Products
- Evolution® System Access Modules (SAM)

NOTE: The ability to remotely access and adjust the settings of the Evolution Connex Control with the MyEvolution web and mobile applications is dependent on the compatibility of the user's computer/network or mobile device, the Evolution Connex Control, and/or the MyEvolution web server with, and the availability of, the user's internet service provider or mobile device carrier service. Bryant Heating & Cooling Systems makes no representations or warranties, express or implied, including, to the extent permitted by applicable law, any implied warranty of merchantability or fitness for a particular purpose or use, about the compatibility of the user's computer/network, or mobile device, with the Evolution Connex Control, and/or the MyEvolution web server, with, and the availability of, the user's internet service provider or mobile device carrier service, or that the ability to remotely access and adjust the settings of the Evolution Connex Control will not be negatively affected by the network-related modifications, upgrades, or similar activity of the user's internet service provider or mobile device carrier service.

Physical Characteristics

Dimensions: See drawing

Appearance: Off-white color

Electrical Characteristics/Communication

Input Volt 24VAC

Each device in the Evolution® System has a four-pin connector labeled ABCD. It is recommended that the following color code be used when wiring each device:

- A — Green = Data A
- B — Yellow = Data B
- C — White = 24VAC (Com)
- D — Red = 24VAC (Hot)

Environmental Requirements:

Operating Temperature/Relative Humidity:

User interface and all sensors: 32°F to 104°F / 0°C to 40°C, 95% rh non-condensing

Storage Temperature/Relative Humidity:

User interface: - 40°F to 134°F / -40°C to 56.7°C, 95% rh non-condensing

Feature Specifications:

Temperature set point range: 50°F to 90°F / 4.4°C to 32.2°C

Separate heat and cool setpoints

Programming days: 7 day

Programming periods: Up to 5 periods per day

Smart Setback (with programming)

Touch-N-Go® feature

Non-Programmable

Auto changeover (may be disabled)

Programmable fan (installer selectable)

Humidity Sensor Offsets

Auto Changeover Timer (installer adjustable)

Smart Recovery (in heating and cooling)

Hold function

Copy functions: Copy period, day, zone

Permanent memory

Humidity display and control

Temperature sensor offsets (indoor and outdoor)

TrueSense™ Dirty Filter Detection with compatible indoor equipment

Wiring Requirements:

Power supply: Dedicated 24VAC, 40 va, 60 Hz, via indoor equipment ABCD Connector. Isolated transformer, field supplied.

Wiring material: Standard thermostat wire 18 to 24 gauge.

EQUIPMENT

DESCRIPTION	PART NO.
Evolution Connex Control (non-Wi-Fi)	SYSTXBBECN01
Evolution Connex Control with Wi-Fi Remote Access Capability & Wireless Access Point	SYSTXBBECW01
Evolution® Network Interface Module (NIM)	SYSTXBBNIM01*

* Required for ventilator control

* Required for Hybrid Heat applications with non-communicating heat pumps

* Required for use with 2-stage (non-communicating) AC or HP

OPTIONAL ACCESSORIES

DESCRIPTION	PART NO.
Evolution® Remote Room Sensor (RRS)	SYSTXBBRRS01*
Evolution® Large Decorative Backplate	SYSTXBBDBP01†
10 Pack Replacement – Green Indoor Unit Plug (ABCD Connector)	SYSTXGRPLG10
Outdoor Sensor	TSTATXXSEN01-B

* Not required, but may be used to remote sense indoor room temperature.

† Backplate dimensions – 5.75-in. (146 mm) wide x 6-in. (152 mm) high.