

A04031



★ As an ENERGY STAR® Partner, Bryant Heating and Cooling Systems has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

**EVOLUTION™**  
**SYSTEM**

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 Zone Control System is the ultimate control center for all of your system components. When you add an Evolution Zone Control to a compatible variable speed furnace or fan coil, and any central air conditioning system or heat pump—you'll enjoy longer heating and cooling cycles at lower fan speeds for a more consistent temperature throughout your home. By adding a 2-speed outdoor unit, your comfort benefits will increase even more.

### FEATURES/BENEFITS

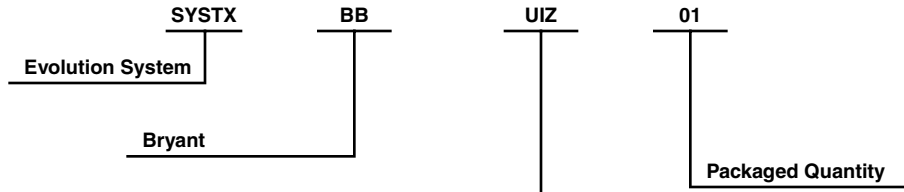
Bryant's revolutionary Evolution Zone Control is the smart control of the future. The Evolution Zone Control features the largest backlit liquid crystal display in the industry, making it easier to read, even at night. Intuitive prompts let you program everything from humidity levels to fan speeds, giving you the ultimate control over your home comfort. Other features include.

- Up to 8 zones of control for added temperature control by zone
- Patented duct assessment design compensates for duct work variability
- Optional Smart Sensors available
- Remote Room Sensors sold separately
- No bypass damper required or recommended
- No LAT or HPT sensors required or recommended
- Fan airflow adjustment by zone
- 4 wire installation from each component in the system
- Intuitive on screen prompts for ease of installation and service
- Perfect Heat 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 2 or 4 periods per day
- 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
- Optional Remote Kit can be added for access to your system from the internet or phone—(coming soon)

### NOTES

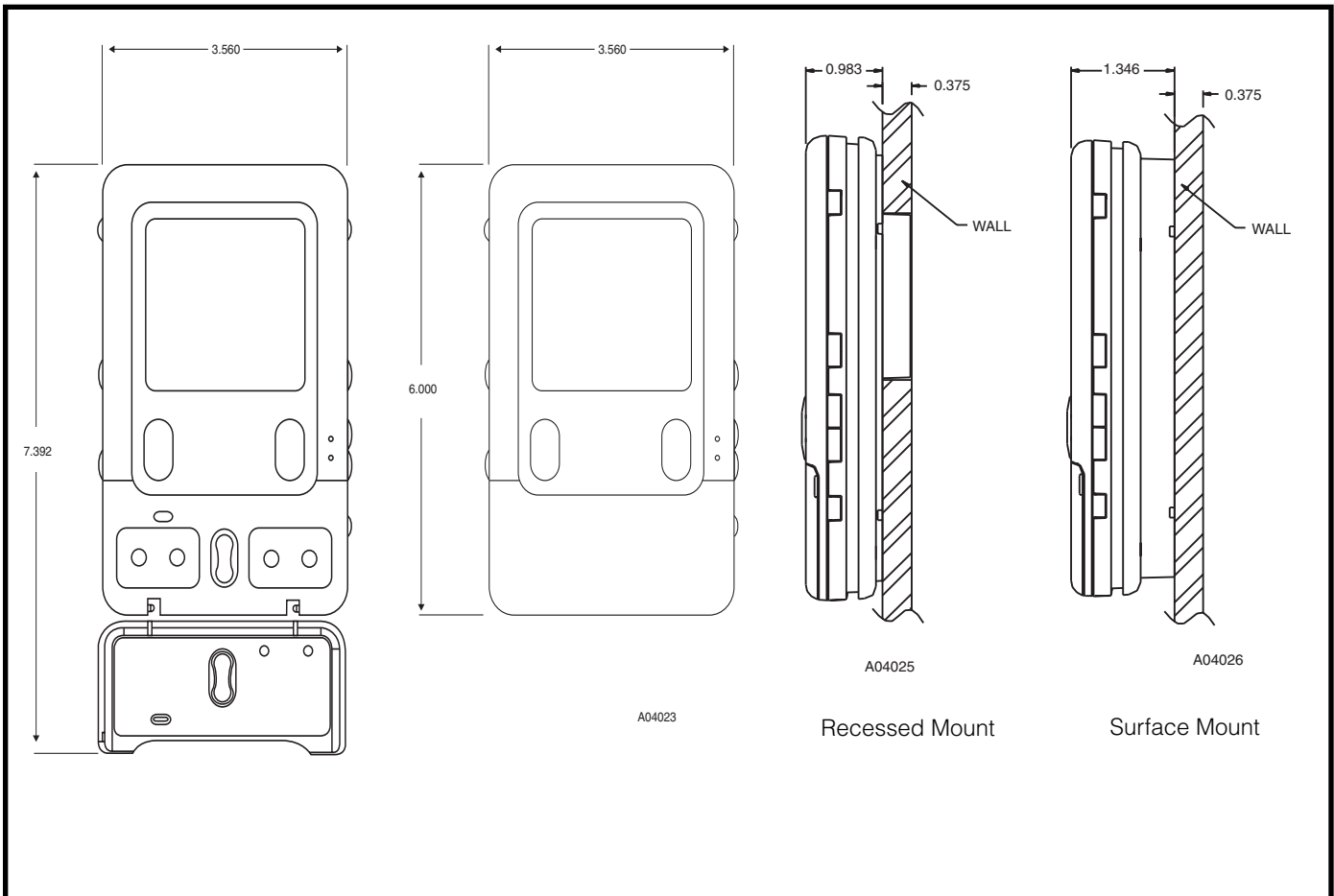
- Evolution Zone Control is compatible with Evolution rated indoor equipment only.

# MODEL NUMBER NOMENCLATURE



- UIZ — Zone User Interface Deluxe
- 4ZC — Damper Control Module
- NIM — Network Interface Module
- SAM — System Access Module
- RRS — Remote Room Sensor
- LBP — Large Back Plate
- GRP — Green ABCD Connector

# DIMENSIONS



## PRODUCT DATA INFORMATION

### Compatible Products

- 355MAV
- 315(A/J)AV
- FE Fan Coil

### Physical Characteristics

Dimensions: See drawing  
 Appearance: Plastic, white color, textured

### Electrical Characteristics/Communication

Input Volts/Amps 24 vac.  
 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, 95% rh non-condensing  
 Storage Temperature/Relative Humidity:  
 User interface: -40°F to 134°F, 95% rh non-condensing  
 Damper Control Module: -40°F to 185°F, 41% rh non-condensing

### Applications:

Up to 2 stages cool/3 stages heat  
 Dual fuel (Heat pump with gas furnace backup)

### Program Specifications:

Temperature set point range: 40°F to 90°F  
 Separate heat and cool set points  
 Programming days: 7 day  
 Programming periods: 2-Day, Sleep  
 4-Wake, Day, Eve, Sleep  
 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 and zone  
 Permanent memory  
 Humidity display and control  
 Temperature sensor offsets (indoor and outdoor)  
 TrueSense™ Dirty Filter Detection

### Wiring Requirements:

Power supply: Dedicated 24 vac, 40 va, 60 hz, via indoor equipment ABCD Connector. Isolated transformer, field supplied.  
 Wiring material: Standard thermostat wire 18 to 20 AWG.

## EQUIPMENT

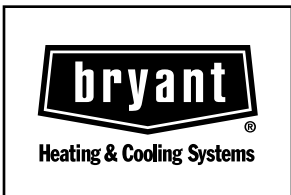
DESCRIPTION	PART NO.
Evolution Zone Control (4-Wire User Interface w/multiple functionality)	SYSTXBBUIZ01
Evolution Network Interface Module (NIM)	SYSTXBBNIM01*

\* Required for ventilator control  
 Required for dual fuel applications with 1-speed (non-communicating) heat pump  
 Required for use with 2-speed (non-communicating) AC or HP (598A/698A)

## OPTIONAL ACCESSORIES

DESCRIPTION	PART NO.
Evolution Remote Room Sensor (RRS)	SYSTXBBRRS01*
Evolution Damper Control Module	SYSTXBB4ZC01
Evolution Large Decorative Back plate	SYSTXX0LBP01†
10 Pack Replacement — Green Indoor Unit Plug (ABCD Connector)	SYSTXGRPLG10
Evolution System Access Module (SAM)	SYSTXBBSAM01

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE  
WITH INSTALLATION INSTRUCTIONS

Form: PDS UIZ.01.1  
Cancels: New