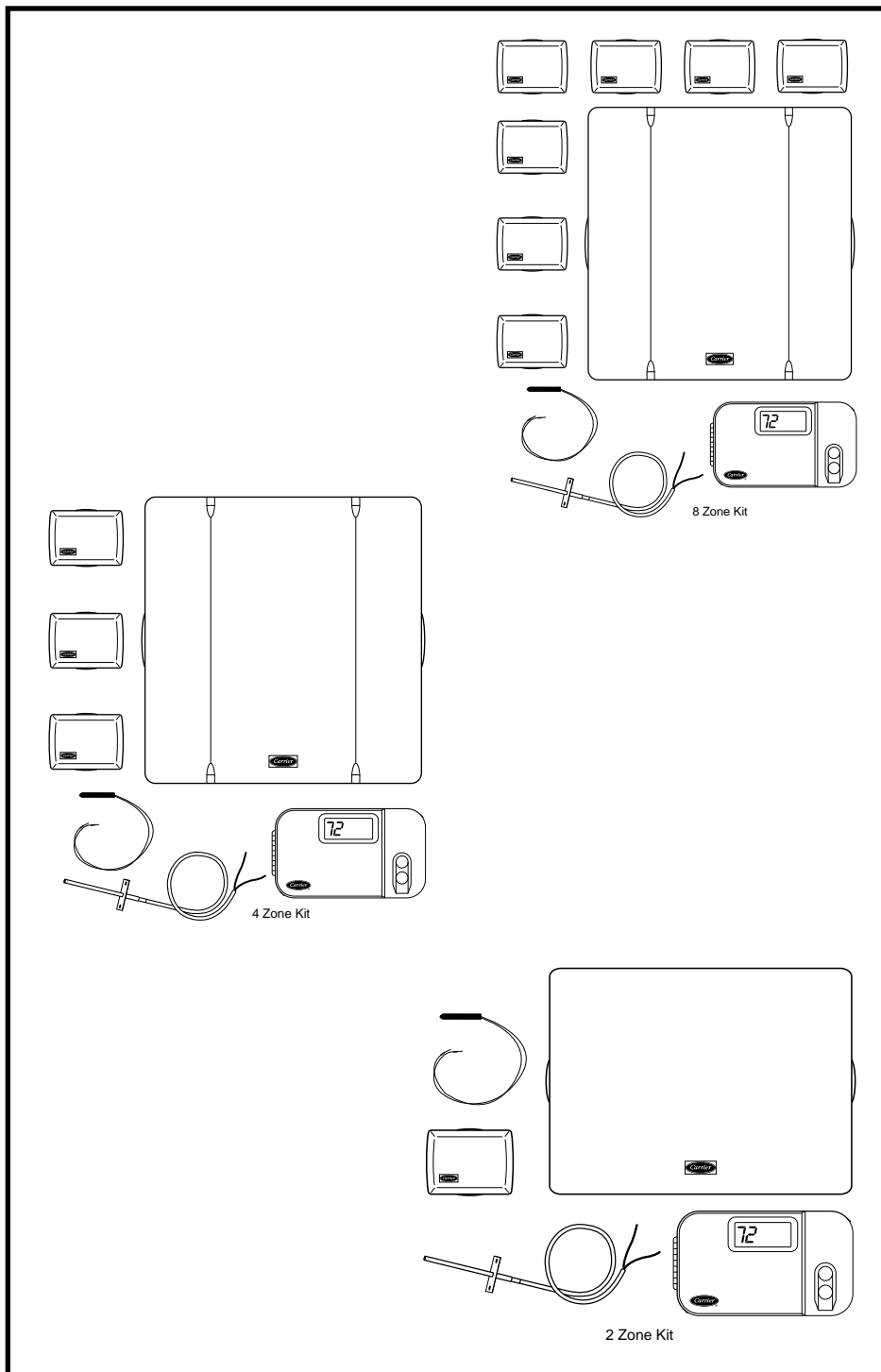




Product Data

ZONECC(2, 4, 8)KIT01-B

Comfort Zone II Zoning System



Comfort Zone II is a zoning system capable of providing zone control requirements for 2, 4, or 8 living or business areas. This system allows the home or business owner to control the living environment in an individualized and energy efficient way. The Comfort Zone II kit includes the User Interface, Equipment Controller, Remote Sensors, an Outdoor Temperature Sensor, and Leaving Air Temperature (LAT) Sensor. Comfort Zone II is the control center for Comfort Heat.

FEATURES/BENEFITS

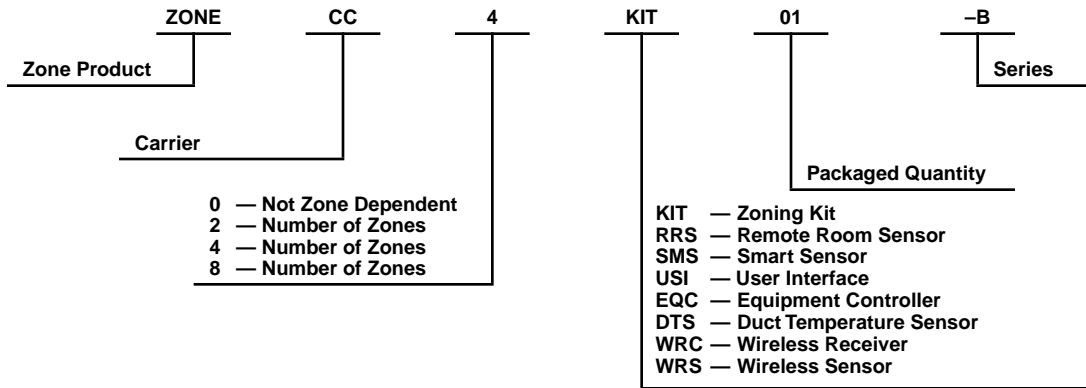
The auto changeover User Interface has a backlit display. The home or business owner has the option of programming all zones over a 7-day period by following a few simple, well defined steps. The program allows for period, day, and zone functions to be copied, allowing for easier programming.

There are 4 program periods: Wake, Day, Eve, and Sleep. The desired temperature range spans from 40°F to 90°F and there are separate heating and cooling set points. Fully modulating dampers respond to the program as set by the home or business owner and provide enhanced comfort.

Along with a diagnostic error display the User Interface informs the home or business owner when the HVAC system needs to have a filter change. The indoor humidity is also displayed so that comfort can be maximized.

The home or business owner can also control their indoor humidity depending upon the components in their HVAC system. Optional Smart Sensors allow users to adjust temperature settings from the zone. Optional Wireless Sensors allow for easy retrofit installations.

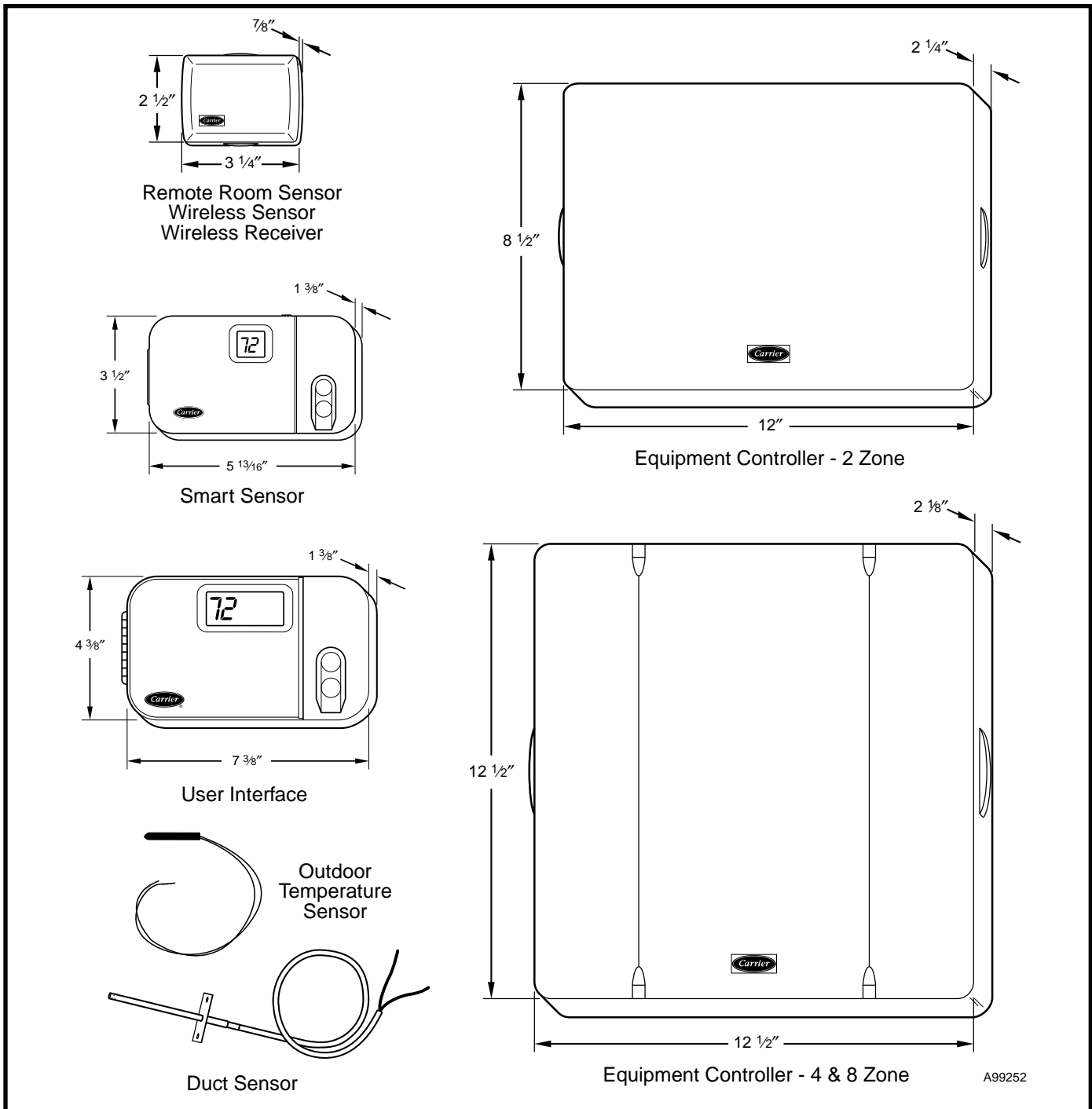
Model number nomenclature



As an ENERGY STAR® Partner, Carrier Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



Dimensions



A99252

Product data information

Physical Characteristics

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

Electrical Characteristics

Input Volts/Amps: 24 vac, Less than 40va

Environmental Requirements:

Operating Temperature/Relative Humidity:
User interface and all sensor types: 32°F to 104°F, 95% rh non-condensing
Equipment Controller and wireless receiver: 32°F to 158°F, 95% rh non-condensing
Storage Temperature/Relative Humidity:
User interface and all sensor types: -40°F to 134°F, 95% rh non-condensing
Equipment Controller and wireless receiver: -40°F to 185°F, 95% rh non-condensing

Communication:

Local: RS-485 communication between system components at 9600 baud.

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: 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)
Clean filter reminder (installer adjustable)
Hold function
Copy functions: Copy period, day and zone
Permanent memory
Humidity display and control
Temperature sensor offsets (indoor and outdoor)

Wiring Requirements:

Power supply: Dedicated 24 vac, 40 va, 60 hz isolated transformer, field supplied.
Wiring material: Standard thermostat wire 18 to 24 gage.
Equipment Controller to User Interface: 4 wires
Equipment Controller to Remote Sensors: 2 wires
Equipment Controller to Smart Sensors: 4 wires
Equipment Controller to Dampers: 3 wires
Equipment Controller to LAT/HPT Sensor: 2 wires
Equipment Controller to Outdoor Temperature Sensor: 2 wires

Comfort Zone II Kit

DESCRIPTION	PART NO.
Equipment controller, user interface, duct sensor, outdoor temperature sensor, 1 room sensor	ZONECC2KIT01-B
Equipment controller, user interface, duct sensor, outdoor temperature sensor, 3 room sensors	ZONECC4KIT01-B
Equipment controller, user interface, duct sensor, outdoor temperature sensor, 7 room sensors	ZONECC8KIT01-B

OPTIONAL ACCESSORIES

DESCRIPTION	PART NO.
Wireless Remote Room Sensor	ZONECC0WRS01
Wireless Receiver (1 required per wireless application)	ZONECC0WRC01
Smart Sensor	ZONECC0SMS01
LAT/HPT Sensor (An additional sensor is required for heat pump applications)	ZONEXX0DTS01
Multi-Damper Enabler*	ZONEMLTDMPEN

* Must be used with earlier style dampers (Series A, B, or C), or if more than 3 dampers are used in a single zone.

REPLACEMENT ACCESSORIES

DESCRIPTION	PART NO.
Remote Room Sensor (wired)	ZONECC0RRS01
Equipment Controller — 2 Zone	ZONECC2EQC01
Equipment Controller — 4 Zone	ZONECC4EQC01
Equipment Controller — 8 Zone	ZONECC8EQC01
User Interface	ZONECC0USI01-B
Outdoor Temperature Sensor*	TSTATXXSEN01-B

*Must be used in dual fuel applications, or if automatically adjusting the humidity set points in humidification applications.

Accessories

DAMPERS*

DESCRIPTION		PART NO.
Round Dampers	6 in.	DAMPRND06INC
	8 in.	DAMPRND08INC
	10 in.	DAMPRND10INC
	12 in.	DAMPRND12INC
	14 in.	DAMPRND14INC
	16 in.	DAMPRND16INC
Rectangular Dampers	8 in. X 10 in.	DAMPREC08X10
	8 in. X 14 in.	DAMPREC08X14
	8 in. X 18 in.	DAMPREC08X18
	8 in. X 24 in.	DAMPREC08X24
	10 in. X 10 in.	DAMPREC10X10
	10 in. X 14 in.	DAMPREC10X14
	10 in. X 18 in.	DAMPREC10X18
	10 in. X 24 in.	DAMPREC10X24
Round Barometric Bypass	8 in.	DAMPBAR08INC
	10 in.	DAMPBAR10INC
	12 in.	DAMPBAR12INC
	14 in.	DAMPBAR14INC
	16 in.	DAMPBAR16INC
Rectangular Barometric Bypass	8 in. X 14 in.	DAMPBAR08X14
	8 in. X 24 in.	DAMPBAR08X24
Slip-In Dampers	Side mount, 8 X 10	DAMP SLS08X10
	Bottom mount, 8 X 10	DAMP SLB08X10
	Side mount, 8 X 12	DAMP SLS08X12
	Bottom mount, 8 X 12	DAMP SLB08X12
	Side mount, 8 X 14	DAMP SLS08X14
	Bottom mount, 8 X 14	DAMP SLB08X14
	Side mount, 8 X 16	DAMP SLS08X16
	Bottom mount, 8 X 16	DAMP SLB08X16
	Side mount, 8 X 18	DAMP SLS08X18
	Bottom mount, 8 X 18	DAMP SLB08X18
	Bottom mount, 8 X 20	DAMP SLB08X20
	Bottom mount, 8 X 22	DAMP SLB08X22
	Bottom mount, 8 X 24	DAMP SLB08X24
	Side mount, 10 X 10	DAMP SLS10X10
	Bottom mount, 10 X 10	DAMP SLB10X10
	Side mount, 10 X 12	DAMP SLS10X12
	Bottom mount, 10 X 12	DAMP SLB10X12
	Side mount, 10 X 14	DAMP SLS10X14
	Bottom mount, 10 X 14	DAMP SLB10X14
	Side mount, 10 X 16	DAMP SLS10X16
	Bottom mount, 10 X 16	DAMP SLB10X16
	Side mount, 10 X 18	DAMP SLS10X18
	Bottom mount, 10 X 18	DAMP SLB10X18
	Bottom mount, 10 X 20	DAMP SLB10X20
	Bottom mount, 10 X 22	DAMP SLB10X22
	Bottom mount, 10 X 24	DAMP SLB10X24
	Bottom mount, 14 X 20	DAMP SLB14X20
	Replacement Actuators	90° for rectangular dampers
45° for round dampers		DAMPACT45DEG

*NOTE: The above dampers are recommended because they use the latest style actuators designed for zoning systems. These actuators are direct-drive and use slightly less power to operate. If using older style dampers with this zoning system (ie., dampers with a crankarm), it is recommended to upgrade the actuator to DAMPACT45DEG, or DAMPACT90DEG.

