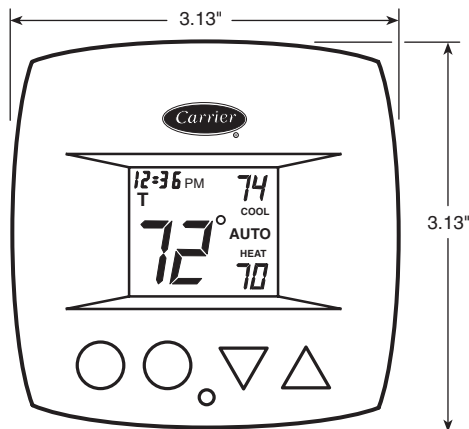




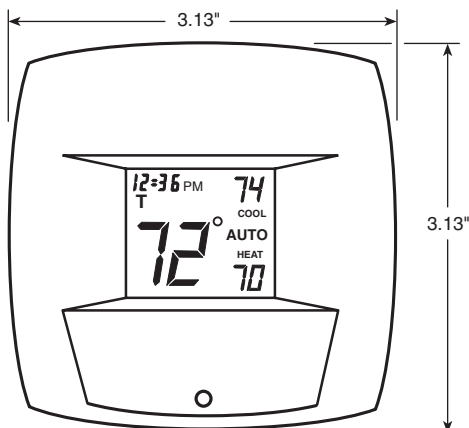
Product Specification

33CS Debonair™ Commercial Programmable Thermostat

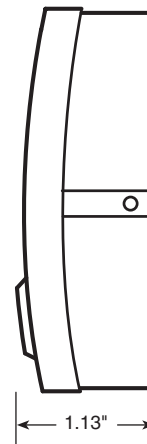
Part No. 33CSSP2-WC



FRONT VIEW WITHOUT LOCKING COVER



FRONT VIEW WITH LOCKING COVER



SIDE VIEW

The Debonair commercial 5+1+1 day programmable thermostat provides the following features and benefits:

- compatible with electric heat, gas heat, and heat pump operation
- common wire not required for operation with gas or electric heating systems
- Monday through Friday (schedule same for every day), Saturday, and Sunday programmable schedule with 4 time periods per day
- easy programming
- large Thermoglow™ display
- heating and cooling operation indicator light
- zone temperature control to 1-degree accuracy
- auto-changeover
- four-hour setback override
- Neverlost™ non-volatile memory (no batteries required)
- energy saving Smart Fan™ operation
- five-minute compressor time guard
- Exact Fit® locking cover (tamper-proof screws with keyed access)
- accessory backplates
- dual heating and cooling set points
- Celsius or Fahrenheit display
- display blanking feature
- Title 24 compliance
- Carrier warranty

Features/Benefits



Carrier's Debonair™ line of commercial programmable thermostats are wall-mounted, low-voltage thermostats that maintain room temperature by controlling operation of an HVAC (Heating, Ventilation, and Air Conditioning) system. Separate heating and cooling set points and auto-changeover capability allow occupied and unoccupied programming for energy savings.

The thermostat can be configured to accept several different equipment configurations, including single-stage heating and cooling, 2 stages of heating and cooling, heat pumps, gas or electric heating, and hydronic systems.

All thermostats allow up to 3 occupied and 1 unoccupied time/temperature settings to be programmed. Batteries are not required. During power interruption, the internal memory stores schedules for an unlimited time while the clock will continue to run for at least 48 hours.

Flexibility for every application

Thermostat can be programmed and configured for use with many different applications including single-stage heating and cooling, 2 stages of heating and cooling, heat pumps, gas or electric heating, and hydronic systems.

A 5+1+1 day clock (Monday-Friday, Saturday, Sunday) is provided with 3 occupied and 1 unoccupied time periods for scheduling of heating and cooling set points. Occupied and unoccupied schedules allow for energy savings by changing set points during time periods when the zone is normally unoccupied.

Reliability for year-round comfort

One-degree control accuracy precisely controls the desired space temperature to within 1 degree of user set point. The thermostat uses a laser-trimmed, solid-state sensor.

Heating and cooling operation LED glows red when unit is in the Heating mode and green when unit is in the Cooling mode.

Four-hour setback override returns the system to occupied set points if heating or cooling is needed during unoccupied hours. The override is adjustable in 30-minute increments and returns the system to unoccupied mode when override expires.

Neverlost™ memory protection on the thermostat eliminates the need to reprogram the thermostat after power outages. Comfort programming and configuration will remain intact indefinitely. Clock and day of the week settings will be retained for a minimum of 48 hours.

Energy saving Smart Fan is configurable for two modes of operation: automatic and continuous. In automatic Smart Fan operation, the fan will only run when the system calls for heating or cooling. In continuous Smart Fan operation, the fan will run continuously in occupied time periods, will only run when the system calls for heating or cooling during unoccupied periods.

Five-minute compressor time guard protects HVAC equipment by preventing compressor short cycling and limits the number of cycles per hour with an adjustable cycle limit.

Carrier warranty ensures peace of mind well after installation.

Ease of programming for quick installation

Thermoglow™ display is large and easy to read. Backlit display allows programming in poorly lit areas and can be configured for button activation or continuous lighting. A single adjustment shows temperature in Celsius or Fahrenheit.

Four time periods per day allow flexibility to create schedules for every application. Start and stop times along with heating and cooling set points are easily entered into the schedule.

Security

Exact Fit® locking cover provides security and sleek design in one. The cover is virtually undetectable, as it appears to be part of the thermostat itself. It comes standard with slotted screws and tamperproof keyed screws.

SPECIFICATIONS

Recommended Wiring	22 AWG (36 ft max) 18 AWG (100 ft max)
Operating Temperature F (C)	41 to 104 (5 to 40)
Storage Temperature F (C)	-40 to 135 (-40 to 57)
Operating Relative Humidity	0 to 95% (non-condensing)
Dimensions (in.)	3.13 x 3.13 x 1.13
Power	5 va at 24 vac, 60 Hz

AWG — American Wire Gage

Agency approvals

Complies with FCC Part 15 rules. Thermostat does not cause harmful interference and accepts all interference received.

UL and UL, Canada approval. These thermostats are considered low voltage devices by UL and do not require UL approval. As an added assurance to the quality of the thermostats, these thermostats are UL listed.

Title 24 compliance. Meets specified requirements of programming capability for all California commercial installations.

Meets European Community (CE) standards. Thermostat conforms to European (CE) requirements and is designed in accordance with IEC (International Electrotechnical Commission) standards.

