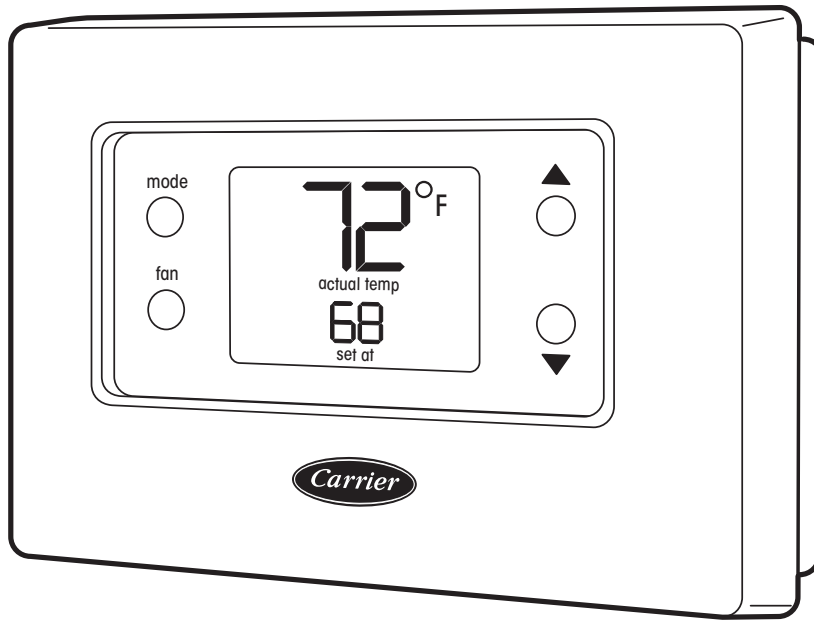




# Product Specification

# Comfort™ Pro Non-Programmable Commercial Thermostat

Part Numbers 33CSCNACHP-01 and 33CSCNACHP-FC



Carrier's Comfort™ Pro commercial non-programmable thermostats offer:

- non-mercury, non-lead based electronic controls built into slim plastic enclosure
- 2-stage heat/2-stage cool with auxiliary heat (air conditioning, heat pump, and water source heat pump units) (P/N 33CSCNACHP-01)
- 2-pipe/4-pipe fan coil with 3-speed fan (2-speed for 2-pipe fan coil with emergency heat, cool only, heat only and automatic changeover) (P/N 33CSCNACHP-FC)
- English/metric unit selection
- proportional integral control of heating and cooling stages
- remote sensing and averaging
- keypad lockout security with passcode protection
- 24 vac or battery powered user-configured settings are stored for an unlimited period of time
- expanded backlit display features mode and equipment status, and outdoor-air temperature
- hospitality mode — display user set point in place of actual temperature
- random start

## Features/Benefits

**Carrier's commercial non-programmable thermostats offer flexibility, quality, and reliability.**

The wall-mounted, low-voltage thermostat maintains room temperature by controlling the operation of an HVAC (heating, cooling and ventilation) system. Separate heating and cooling set points and auto-changeover capability allow for energy savings.

# → Specifications



The thermostat allows separate heating and cooling set points. The thermostat stores installer configurations. In the event of power interruption, the internal memory stores set points for an unlimited time. When 24 vac is not available to power the thermostat, batteries can be added.

The Comfort™ Pro commercial non-programmable thermostat is capable of displaying the outside or supply-air temperature using the remote sensor input.

## Physical characteristics

Dimensions (L x W x D): 5.1-in. (129.54 mm) x 4.1-in. (104.14 mm) x 1.1-in. (27.94 mm)

Appearance: plastic material; white smooth cover

Weight: approx. 1/2 lb (0.23 kg)

Lead-free design

## Power requirement

24 vac 50/60 Hz at 3 va RC/RH compatible

AA alkaline battery power also available (batteries not included)

## Environmental requirements

Operating temperature: 32 to 104 F (0° to 40 C)

Storage: -40 to 135 F (-40 to 57 C)

Humidity: 0 to 95% RH (relative humidity), non-condensing

## Agency approvals

FCC Part 15, Subpart J compliant

CE mark approval

## Electrical characteristics

Inputs: 24 vac, 50/60 Hz, 3 va

Outputs:

Minimum Load = 1000 ohms

Maximum Load = 2.0 A, 50% pf (power factor)

Inductive

Nominal Load Capacity = 1.5 Amps

## Temperature control

The thermostat uses proportional integral calculation to determine the number of stages required for heating or cooling (and fan speed for fan coil units) to provide accurate temperature control.

## Accessories

Remote space sensor (33ZCT55SPT)

Outdoor temperature sensor (33ZCSENOAT)

Supply/return air sensor (33ZCSENSAT)

Changeover sensor for 2-pipe fan coil (33CSWCOFC-01)

# Dimensions

