

Cync Smart Thermostat and Sensor Specifications



Box Contents



- (1) Thermostat
- (1) Trim Plate
- (2) Mounting Screws
- (2) Drywall Plugs
- (1) Power Extension Kit (PEK)
- (1) Installation Guide
- (1) Quick Start Guide
- (1) Wire Label Sticker Sheet



- (1) Temperature Sensor
- (1) Mounting Screw
- (1) Drywall Plug
- (1) Command Strip
- (1) Installation Guide
- (1) Quick Start Guide

Specifications

Device

Display	Backlight LCD VA segment screen
Screen	Glass Screen with touch buttons
Built-in Sensor	Temperature, Humidity
Compatibility	Conventional: 2H2C Heat Pump: 4H2C
Input Power (Temp. Sensor)	CR2032 Battery
Wifi Outage	User still has local device control and control of HVAC unit, but app cannot control thermostat without WiFi connection.
Power Outage	User does not have local control of thermostat
Remote Sensor	Support Max 6pc

Controls

Compatibility	Cync Products, Google Assistant, Amazon Alexa
Multi-home support	Up to 10 thermostats can operate in each home.
Supported Apps	iOS, Android
Schedules	Supports up to 10 time slots per day.

Certifications

FCC ID	FCC Part 15.247
FCC SDOC	FCC Part 15 Class B
IC	RSS-Gen, RSS-247, ICES-003
RoHS	Compliant
CP65	Compliant

Dimensions and Weight

	Depth	Width	Height
Thermostat	1 in (25 mm)	5.3 in (135 mm)	3.3 in (84.5 mm)
Power Extension Kit (PEK)	1 in (25 mm)	2.8 in (70 mm)	2 in (50 mm)
Temp. Sensor	0.47 in (12 mm)	1.57 in (40 mm)	1.57 in (40 mm)

Electrical

Thermostat Input Voltage	24V AC C wire needed. If no C wire, use Power Extension Kit.
Power Extender Kit (PEK) Input Voltage	20-30V AC
Line Frequency	60Hz
Amp Rating	Max. 1A per terminal
Terminal	10 terminals W1(Aux), W2(E),Y1,Y2,O/B,G,Rc,Rh, C,PEK

Environmental

Environment (Wet, Dry, Damp)	Dry
Operating Temperature	32°F to 105°F (0°C to 40°C)
Storage Temperature	14°F to 140°F (-10°C to 60°C)
Temp. Setting	41°F to 95°F (5°C to 35°C)
Temp. Display	32°F to 99°F (0°C to 37°C)
Operating Humidity	5% to 90% RH (non-condensing)
Storage Humidity	5% to 90% RH (non-condensing)
Temp. Sensitivity (Thermostat)	+/- 2°F (+/- 1°C)
Temp. Sensitivity (Temp. Sensor)	+/- 1°F (0.5°C)
Humidity Sensitivity	+/- 5% RH

Wireless Standards

Wireless Protocol	Wi-Fi and BLE Mesh
Wireless	Wi-Fi 802.11 b/g/n @ 2.4 GHz BLE 4.2











Reliability and Warranty

Warranty	2 Years
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Device Overview

Thermostat Screen Controls



	Fan, ON or AUTO		Demand response period
	Schedule, TEMPORARY, TEMPORARY HOLD, SCHEDULE		Bluetooth indicator
	Change setpoint		Wi-Fi indicator
	Auxiliary heating		Mode Button, COOL, HEAT, or AUTO
	Emergency heating		Heating/Cooling indicator

Thermostat Wiring Diagram

For a wiring diagram of the Cync Thermostat, see the Cync support article [Thermostat Wiring Configuration and Installation Guide](#).