

## CT110 Z-Wave Thermostat



- Designed for Battery Operation
- 2 Stage Heat - 2 Stage Cool
- Firmware Upgradeable
- Cloud Connected

## Technical Specifications

### Physical - Operational Characteristics

Height	3.6in (93mm)
Width	6.5" (159 mm )
Depth	1.2in (30mm)
Operating Temperature	28°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Shock (Non-Operating)	10 free drops (1 corner, 3 edges plus 6 faces) per ISTA-1A
Vibration	14,200 circular impacts per ISTA-1A
Display	2.3" x 1.87" LCD with White Backlight (62x48mm)
Cloud Programming	Yes
Remote Control (Z-Wave)	Yes
Setpoint Accuracy	1° F (0.5°C) Range: 35°-95°F (1.5°C ~ 35°C)
Ambient Temperature Display Accuracy	0.5° F (0.5°C) Range: 28°-99°F (-2°C ~ 37°C)
Power Requirements	C-Wire Input: 12V~25V AC or DC Battery Power: AA Battery 4pcs.

# CT110 Z-Wave Thermostat

## Compatible Systems

Heat	Up to 2 Stages
Cool	Up to 2 Stages
Heat Pump	Up to 2 Stages
Electric Aux Heat	Up to 2 Stages
Hybrid (Fossil Aux Heat)	Up to 2 Stages
Forced Air Zoned Heat	Up to 2 Stages
Forced Air Zoned Cool	Up to 2 Stages
2 Wire Hydro Valves	Yes
3 Wire Hydro Valves	Yes
Millivolt Heat	Yes

## Reliability

Operational Lifetime	15 years
Relays	250,000 cycles
Compressor	8,000/year
Heating	8,000/year
Fan	16,000/year
Contact Rating	2A carry, 5A surge @ 24VAC
C, B, O, W-AUX, W2-AUX2, Y, Y2, RH, RC, G, A	
Power-on Time	Continuous
Immunity to Voltage Dips	70% 10ms, 40% 50ms
Electrostatic Discharge (Contact)	8KV
Electrostatic Discharge (Air)	20KV

## Z-Wave Radio Specifications

Certified Z-Wave Plus	
Frequency (US)	908.42 MHz
Generic Device Type	Thermostat
Specific Device Type	Thermostat General v2
Node Type (C-Wire)	Enhanced Routing Slave
Node Type (Battery)	FLiRS
Z-Wave SDK	v6.51
Z-Wave Chipset	ZM5202

## Z-Wave API

Swing from .5°F ~ 4°F
Multiple Recovery Settings (FAST/ECON)
Differential Temperature Setpoint Control
Multi-Purpose LED Indicators (Red, Yellow, Green)
Remote HOME / AWAY Setpoints
EMER Select (Heat Pump systems)
Thermostat Lock
Calibrate Feature
True Auto
Fan On/Auto

Internet ID		Master Carton Dimensions
Brand	RTCOA	Width 9.8" / 250mm
Model #	CT110	Height 11.73" / 298mm
Color/Finish	White	Length 25.08" / 637mm
Thermostat Type	PCT	Units per carton 20 pcs
SKU#		Carton Weight 20lbs / 9.07kg
UPC		(if 4xAA batteries are included)

Product Dimensions	
Width	6.25in (159mm)
Height	3.6in (93mm)
Depth	1.2in (30mm)

100% compatible with standard residential HVAC system—millivolt, 24V single and 2-stage conventional systems, gas/oil/electric heat, up 2-stage heat pumps with AUX, zoned hot water (2 or 3-wire hot water), zoned forced air, single or 2-stage cooling, and hybrid systems.