

CT110 COMMUNICATING THERMOSTAT



Radio Thermostat Company of America

- Easy-to-read display
- Over-the-Air Upgradeable
- One Touch Z-Wave provisioning
- 4 stages of Heat and 2 stages of Cool
- True Auto automatically switches to save energy



TECHNICAL SPECIFICATIONS

PHYSICAL SPECS

HEIGHT	3.6in (93mm)
WIDTH	6.25" (159 mm)
THICKNESS	1.2in (30mm)
DISPLAY	2.3" x 1.87" with LCD White Backlight (62x48mm)

OPERATIONAL SPECS

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
SETPOINT ACCURACY	1° F (0.5°C)
AMBIENT TEMPERATURE DISPLAY ACCURACY	0.5° F (0.5°C)
POWER REQUIREMENTS	C-Wire Input: 12V ~ 40V AC or DC Battery Power: AA Battery 4pcs.

COMPATIBLE SYSTEMS

HEAT (FOSSIL OR ELECTRIC)	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
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
POWER-ON TIME	Continuous
IMMUNITY TO VOLTAGE DIPS	70% 10ms, 40% 50ms
ELECTROSTATIC DISCHARGE (CONTACT)	8KV
ELECTROSTATIC DISCHARGE (AIR)	20KV

Z WAVE

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 WIRE)	FLIRS
Z-WAVE CHIPSET	ZM5202

SETUP

INSTALLATION OPTIONS	USER SETTINGS
• HVAC Fast Setup Codes	• Fan On/Auto
• Swing from .5°F ~ 4°F	• True Auto
• Multiple Recovery Settings (FAST/ECON)	
• Differential Temperature Setpoint Control	
• Radio Network Setup	