

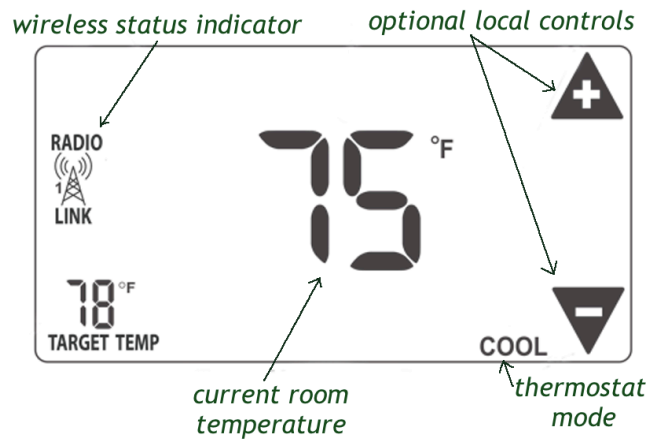


THE INTERNET CONTROLLED THERMOSTAT

Easy to Install • Simple to Use • Immediate Cost Control

SPECIFICATIONS	
Dimensions	4 in x 6 in x 1.4 in (101 mm x 150 mm x 35 mm)
Operating Temperature	35°F to 95°F for temperature targets (0°C to 35°C)
Shock (non-operating)	10 free drops (1 corner, 3 edges, 6 faces) per ISTA-1A
Display	2.9 inches x 1.5 inches LCD, white backlight (74 mm x 40 mm)
Touch Screen	Yes, for local overrides only (programming not enabled)
Ambient Temp. Display Accuracy	± 1°F (.56°C)
Remote Control	Yes, via Internet from anywhere in the world
Local Override	Yes; Admin may define limits for temp targets and duration
Temperature Target Bounds	Yes; Admin can define allowable ranges
Auto-Switching Mode	Yes; can switch between heat and cool modes to keep within desired temperature ranges
Thermostat Screen Lock	Optional; Admin can disable local controls if desired
Status Indicators	Yes; red = acquiring CORIS network, yellow = local user override, green = new server setting being implemented
Power Requirements	12V - 24V AC/DC Backup battery memory only: AA, 3 pieces
Warranty	2 years

COMPATIBLE SYSTEMS	
Heat	Up to 2 stages
Cool	Up to 2 stages
Heat pump	Up to 1 stage
Electric auxiliary heat	Up to 1 stage
Hybrid	yes
Forced air zoned heat	Up to 2 stages
Forced air zoned cool	Up to 2 stages
Milivolt heat	yes
2-wire hydro valves	yes
3-wire hydro valves	yes



THERMOSTAT DISPLAY

CORIS MESH NETWORK	
Profile	implemented using 802.15.4 specifications on frequencies, same as WiFi channels 1, 6, or 11 depending on model of Gateway communications module
Encryption	128 bit AES
Output power	20.45 dBm
Receiver sensitivity	- 97.56 dBm
Max upstream data traffic	.00017 MB/sec
Max downstream data traffic	.000125 MB/sec

RELIABILITY	
Operational Lifetime	15 years
Relays	250,000 cycles
Compressor	8,000/year
Heating	8,000/year
Fan	16,000/year
Contact rating	(@24VAC)
G,W,W2,W3,Y,Y2,DH,H,EX,O/B	2A carry, 5A surge
Power-on time	Continuous
Immunity to Voltage dips	70% 10ms - 40% 50ms
Electrostatic discharge (contact)	8 kV
Electrostatic discharge (air)	20 kV

INSTALLER SETUP OPTIONS

- ▶ HVAC fast setup codes
- ▶ Swing from .5°F to 2°F (.25°C to 1°C)
- ▶ Multiple recovery settings (FAST/ECON)
- ▶ Differential target temperature control
- ▶ UV Bulb replacement indicator

ADMINISTRATOR SETUP OPTIONS

- ▶ Simple screen mode with limited UI
- ▶ Local overrides: duration, temp ranges
- ▶ Local override lockout option