

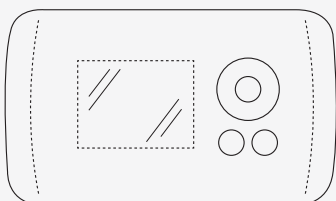


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TECH SPECS - EMS Si THERMOSTAT



Dimensions



Thermostat:
5.5"W x 3.25"H x 1"D
139.5mm W x 82.5mm H x 25mm D

Display

- 2.5" full-color LCD
- 320 x 240 pixel resolution

Power Options

- 24Vac (3VA minimum)
- Battery - CR2032 - 3V lithium coin cell

Temperature Range:

Set point: 45°F - 92°F (7°C - 33°C)
 Display: 40°F - 100°F (5-37°C)
 Sensitivity: +/- 1°F (+/- 0.5°C)
 Operating: 32° - 130°F (0° - 55°C)

Humidity Range

Display: 20-90% R.H
 Sensitivity: +/- 5% R.H
 Operating: 5-95% R.H (non-condensing)

Wiring Specifications

Wire Specifications	18 AWG	20 AWG	22 AWG
Thermostat to HVAC equipment	128ft / 39m	80ft / 24m	50ft / 15m

Equipment Compatibility

- Gas/Oil/Electric conventional heating (up to 2 stages)
- Air to air or Heat Pump with Auxiliary heat (up to 3 stages)
- Dual fuel systems
- Electric cooling (up to 2 stages)

Automation

Two dry contact inputs and/or 10K resistive temp sensors that can be programmed to:

- Adjust the heat and or cool set temperatures
- Switch the system to occupied or unoccupied mode
- Shut down the compressor
- Shut down AC
- Disable auxiliary heart
- Disable all heat
- Turn fan on
- Send Alert
- Update Log
- Shutdown HVAC

Internet Connectivity & Security

The latest encryption technologies to ensures that data is protected both in transmission and network access. The ecobee EMS Si thermostat is designed to support:

- 802.11 b/g/n wireless routers
- WEP 64, WEP 128, WPA and WPA 2 encryption methods
- DHCP (dynamic) or Static IP addressing
- 168 bit SSL encryption



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Mechanical Specifications

- Easy-to-access battery compartment
- Decorative trim plate included
- 94V0 (flame resistant) plastic

Additional Features

- Celsius or Fahrenheit display
- 365-day scheduling
- Occupied and Unoccupied terminology
- Automatic daylight saving time adjustment
- Adjustable Auto change-over dead-band
- Installer programmable options including:
 - *Heat and cool differential temperature*
 - *Minimum compressor off time*
 - *Heat and cool fan dissipation time*
 - *Display temperature offset*
- Outdoor temperature detection (requires internet connection)
- Reminders & alerts on screen or via email

