



ecobee EMS Si



Compatibility

- Conventional (2H/2C)
- Heat pump (3H/2C)
incl. 1-stage auxiliary heat
- Gas, oil, electric
- Dual fuel

Wire terminals

- | | | |
|-------|----------|---------|
| • R2- | • W2 AUX | • Rc |
| • R2+ | • Y2 | • G |
| • R1- | • C | • W O/B |
| • R1+ | • RH | • Y |

Powering method

24VAC (3VA minimum)

Power consumption

Less than 3.5VA

Connectivity & security

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

- 802.11 b/g/n wireless routers
- WEP 64, WEP 128, WPA and WPA2 encryption methods
- DHCP (dynamic) or Static IP addressing
- 168 bit SSL encryption

Bandwidth

15-20 MB/month

Green

- Recyclable packaging
- Mercury free
- Arsenic free
- PVC free
- ROHS compliant

Temperature range

Set point: 45° to 120°F (7° to 48°C)
 Display: 40° to 100°F (5° to 37°C)
 Sensitivity: +/- 1°F (+/- 0.5°C)
 Operating: 32° to 130°F (0° to 55°C)

Humidity range

Display: 20% to 90% RH
 Sensitivity: +/- 5% RH
 Operating: 5% to 95% RH (non-condensing)

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
- Turn fan on
- Disable auxiliary heat
- Disable all heat

Mechanical specifications

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

What's in the box

- ecobee EMS Si Thermostat
- Installation Manual

Additional features

- Fahrenheit or Celsius display
- 365 day scheduling
- 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

Product Dimensions

Height: 3.25 in / 82.5 mm
 Width: 5.5 in / 139.5 mm
 Depth: 1 in / 25 mm

Warranty

3-year warranty

Languages

English

Display

2.5" full-color LCD non-touch screen
 320 x 240 pixel display

