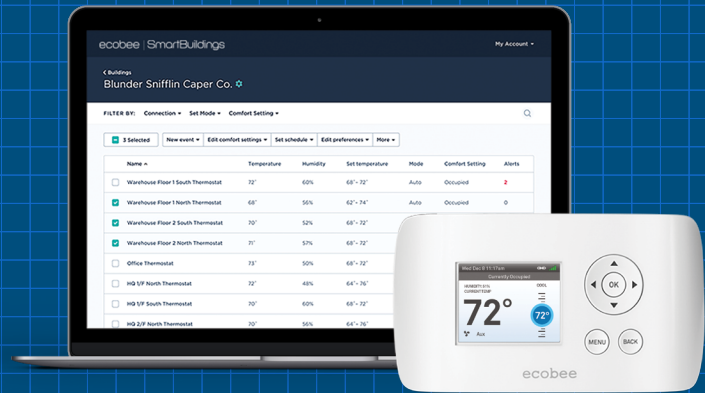


ecobee | EMS Si

ecobee for Pro

The most reliable and practical way to manage your buildings' energy.



### Wired sensors and automation

With two dry contact inputs or resistive temperature sensors, you can automate your buildings' heating and cooling system based on sensor inputs.

- Control the comfort of any room regardless of where thermostat is placed
- Automatically adjusts heating and cooling based on occupancy
- Connects to door sensors to adjust settings when door is open or closed
- Monitor your walk-in freezers and fridges to protect your inventory

“We were able to save about \$10,000-\$15,000 worth of inventory on several occasions by preventing drastic increases in freezer temperature.”

– Sheila Sorber on EMS Si installations at 29 Jack InThe Box locations.

### Manage all your thermostats in one place

EMS Si works with ecobee SmartBuildings, a powerful software solution that lets you manage unlimited thermostats anytime, anywhere.

#### Software features

- Unlimited thermostat management
- Multi-user access
- Bulk scheduling and comfort settings
- Customized alerts and notifications
- Data insights on energy usage
- Passcode protection
- Automatic software updates

### Reliable and compatible

Works with most heating and cooling systems, including conventional (2H/2C), heat pump (3H/2C) including 1-stage auxiliary heat, gas, oil, electric, and dual fuel.

### Easy installation and dedicated support

Install and set it up in under an hour. Need help? EMS Si has a dedicated support team, and includes easy-to-follow installation manuals and simple wiring diagrams.

### Compatibility

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

### Powering method

24VAC (3.5VA minimum)

### Powering consumption

Less than 3.5VA

### Temperature range

Desired temperature: 45° to 92°F (7° to 33°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)

### Connectivity and security

Wi-Fi, IEEE 802.11 b/g/n @ 2.4 GHz  
Wi-Fi Protected Access (WPA/WPA2)  
Wired Equivalent Privacy (WEP)  
DHCP (dynamic) or static IP addressing  
Transport Layer Security (TLS)

### Bandwidth

15+ MB/month

### Display

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

### What's in the box

ecobee EMS Si smart thermostat  
Installation and user manual  
Screws and drywall plugs  
Decorative trimplate

### Software requirement

SmartBuildings software and subscription required for remote access and control.

To learn more, visit [ecobee.com/SmartBuildings](http://ecobee.com/SmartBuildings) or speak to sales specialists at **1.888.562.1058**

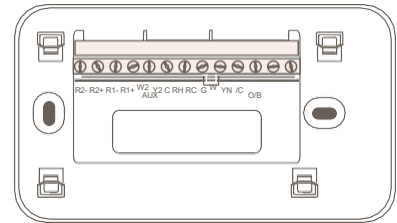
### Product dimensions

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

### Warranty

3-year warranty (PRO Install only)

## Wire Terminals



Terminals	Description	Voltage	Current max
R2-	Input 2-	*Temperature/ dry contact only	
R2+	Input 2+	*Temperature/ dry contact only	
R1-	Input 1-	*Temperature/ dry contact only	
R1+	Input 1+	*Temperature/ dry contact only	
W2 (AUX)	2nd stage heating or 1st stage auxiliary heat	30V AC	3A
Y2	2nd stage compressor	30V AC	3A
C	Common	30V AC	3A
RH	Heat transformer	30V AC	3A
RC	Cool transformer	30V AC	3A
G	Fan	30V AC	3A
W (O/B)	1st stage heating or reversing valve changeover	30V AC	3A
Y	1st stage compressor	30V AC	3A

### SmartBuildings Support

Available 8am-12am (Mon-Fri) and 9am-9pm (Sat-Sun) | **1.833.285.1119** | [support@ecobee.com](mailto:support@ecobee.com) | [ecobee.com/smartbuildings](http://ecobee.com/smartbuildings)