**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 In The 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.

Get started with SmartBuildings today | 1.888.562.1058 | smartbuildings@ecobee.com | ecobee.com/smартbuildings
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 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

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

SmartBuildings Support
Available 8am-12am (Mon-Fri) and 9am-9pm (Sat-Sun) | 1.833.285.1119 | support@ecobee.com | ecobee.com/smartbuildings