

THERMOSTAT SET-UP QUICK GUIDE

FOR ALL-ELECTRIC HEAT PUMPS

Supplement to ecobee₃ Installation Guides

The ecobee₃ is a powerful tool that can help save energy and money, while managing energy resources to best serve all cooperative members. To make sure you're getting the most out of your ecobee₃, we have the following suggestions for thermostat set-up specific to your home heating system.

Please note: This information is only for heat pumps with auxiliary electric strip heat. If you heat your home with gas, this information does not apply to your home.

Heating 101

When it starts to get cold outside, your heat pump works like an air conditioner in reverse – it pulls any warmth out of the outside air, puts it through a compressor to heat it further and blows it throughout your home.

Your compressor is the most efficient way to heat your home, but does not always keep your home at a desired temperature when outdoor temperatures drop. At those low outdoor temperatures, auxiliary heat from the heat pump kicks in to maintain your comfort and thermostat settings, but it uses more energy. To maximize your home's comfort and efficiency, you can set your ecobee₃ thermostat to perform best in all circumstances.

Suggested settings to maximize your energy savings

The following key settings on your ecobee₃ can help you achieve your desired indoor temperature and save energy during very cold outdoor temperatures. These settings can be accessed with a few steps from your ecobee₃ thermostat.

Step 1



Menu Icon

Step 2



Settings

Step 3



Installation Settings

Step 4



Equipment

Step 5



Heat Pump

Step 6



Aux Heat Simultaneous Operation

Step 7

Navigate back to the Installation Settings by selecting the back arrow “<” twice.



Thresholds

North Carolina Guides

This guide is one of a series of three guides with key setting recommendations for our North Carolina climate. The three guides and descriptions are as follows:

- Thermostat Set-Up Quick Guide (this guide)
- Thermostat Set-Up Guidelines for Single-Stage Heat Pump (only one outdoor compressor stage/speed).
- Thermostat Set-Up Guidelines for Two-Stage Heat Pump (two outdoor compressor stages/speeds).

Step 8



Compressor Min Outdoor Temperature

Step 9



Aux Heat Maximum Outdoor Temperature

Optimal Savings

These recommendations are based on the existence of a Heat Pump system and thermostat operating per manufacturers' instructions prior to the ecobee₃ thermostat installation.

Optimal Performance

As noted in the ecobee₃ installation guide, the installation and set-up of this thermostat should be performed by a licensed HVAC contractor who is knowledgeable in the operations of your HVAC system.

Step 10



Compressor to Aux Temperature Delta

Step 11



Compressor to Aux Runtime

Step 12



Select **Cancel** to get back to the installation setting menu.

Save energy, save money

As a member-owned electric cooperative, we are committed to customer comfort and member satisfaction. With the right settings, ecobee₃ can help get the job done.

If you need more information or have other questions about the settings on your ecobee₃, please call ecobee customer support at: 877-932-6233.