



# Ecobee Thermostat Integration Release Notes

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## Introduction

The Ecobee thermostat is a smart thermostat. It has been tested and certified for integration with the ClareHome system. All Ecobee models 2015 and newer are supported with this integration.

By integrating the Ecobee thermostat to a ClareHome control system, your customers can send commands to the thermostat to change modes, cool and heat settings, and fan status from their mobile iOS devices or Android smartphones.

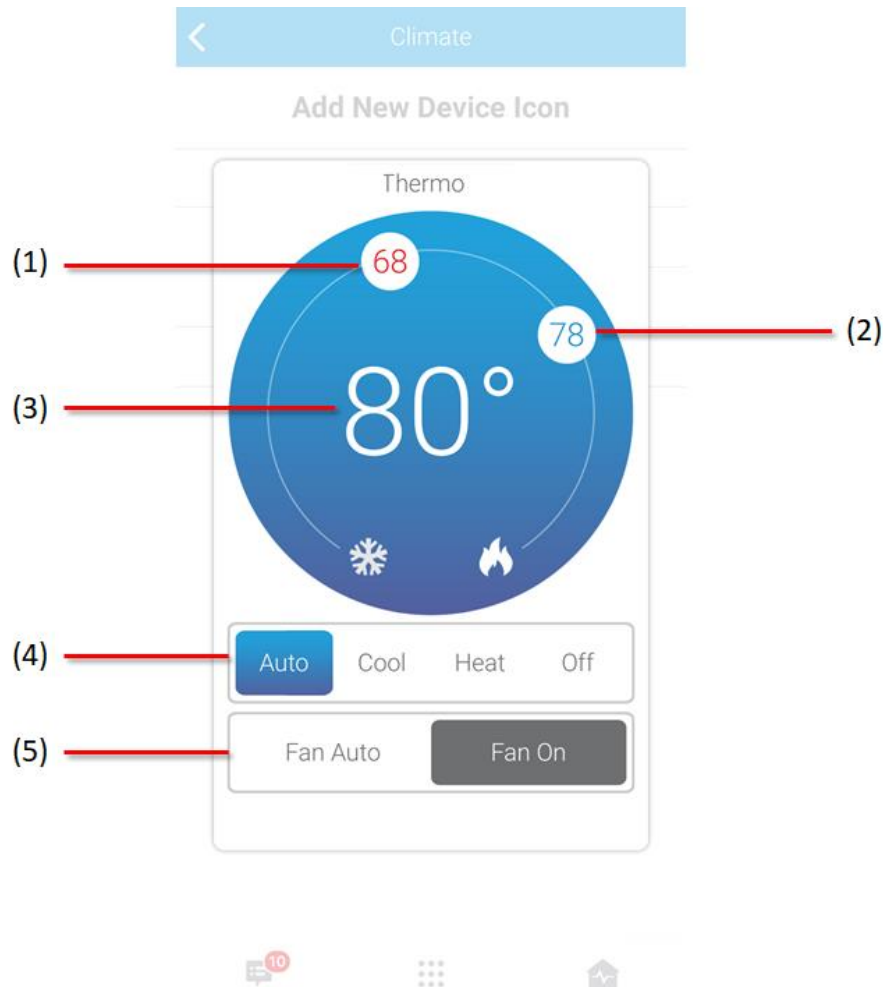
When integrating the Ecobee thermostat into your ClareHome project, no wires or extra connections are necessary. Install the Ecobee according to its documentation, and then connect it directly to Wi-Fi on the home network.

The Ecobee thermostat integrates with the ClareHome system in a way similar to the existing HVAC integrations. All HVAC integrations share a common UI, so that the user experience is consistent.

Temperature settings can be controlled via events. Use Fusion's Scenes and Rules to automate the actions your customers want.

The Following figure shows the Ecobee controls on the ClareHome UI.

**Figure 1: User interface of the Ecobee Wi-Fi thermostat.**



- (1) Change the Heat set point by sliding the indicator around the dial.
- (2) Change the Cool set point by sliding the indicator around the dial.
- (3) Temperature setting displays on the ClareHome UI in Fahrenheit.
- (4) Change the Operation mode using the slider control.
- (5) Change the Fan mode using the slider control.

## Installing the Ecobee thermostat

A qualified installation technician should install the Ecobee thermostat. Refer to the documentation included with your Ecobee devices. Clare Controls does not assume any responsibility for damages caused by improper installation or connection to the network. Register your thermostat with on the Ecobee website before adding and configuring the device in Fusion.

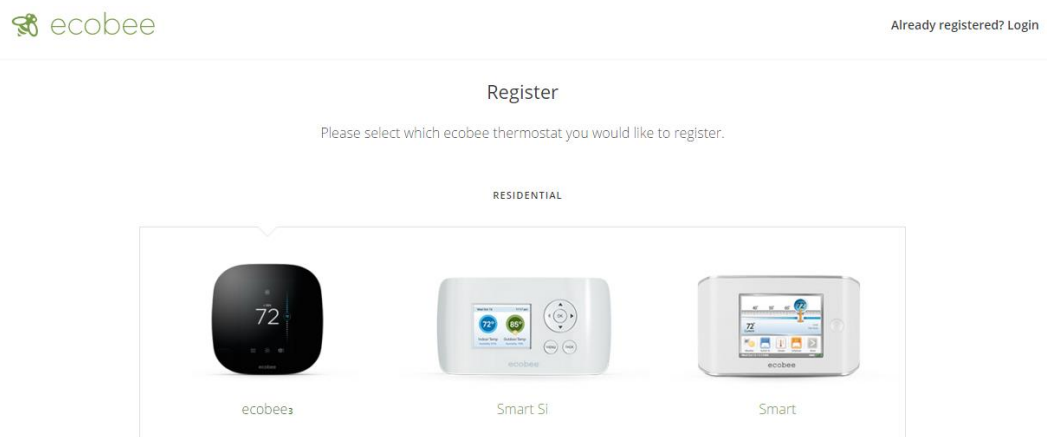
# Connecting the Ecobee thermostat to ClareHome

## Creating an Ecobee account:

After installation, create an Ecobee account, or log onto your customer's existing account. Registering and creating the account allow you to assign a name to the thermostat, and later, obtain an access token. This is required for Fusion configuration and function within the ClareHome system.

## To create an Ecobee account:

1. From your browser, access <https://www.ecobee.com/register/>, and then select your thermostat.



2. Follow the instructions for account creation as prompted.


## Notes

- Make sure that you note the email address, password, and thermostat name used. This information is required for Fusion configuration.
- If a name is not assigned during setup, the thermostat displays its serial number. You must assign a name to the device before adding it to your project.

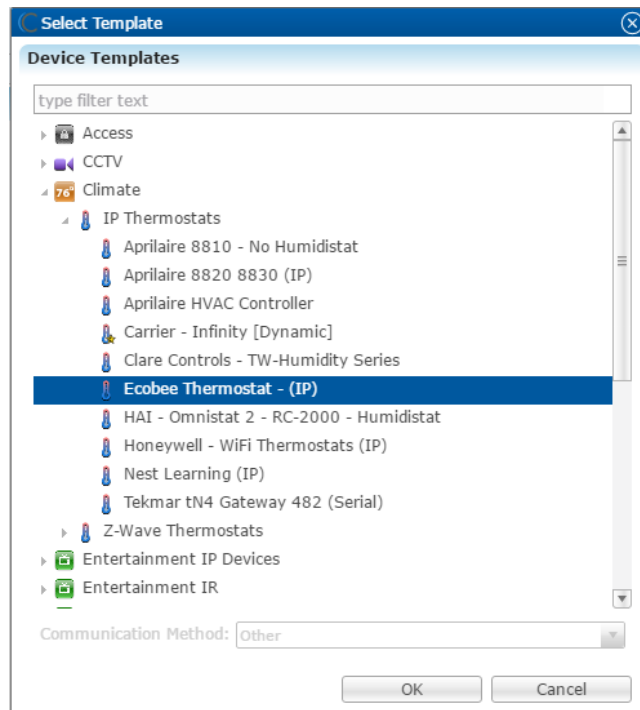
# Configuring Ecobee in Fusion

Once you have installed and registered the Ecobee thermostat, configure it in Fusion.

To add an Ecobee device in Fusion:

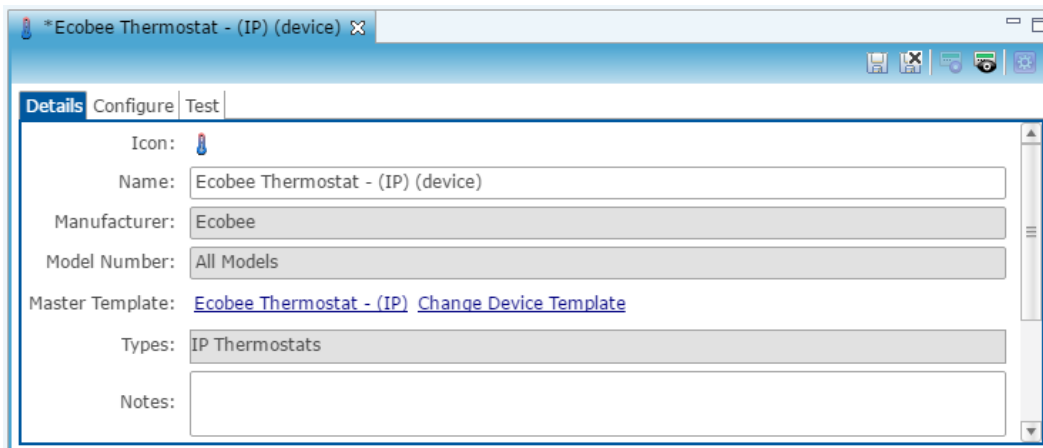
1. Access your project, and then click the **Devices** tab.
2. Click the **New Device** button  to display the Select Template dialog, and then browse to Ecobee.

**Climate > IP Thermostats > Ecobee Thermostat. - (IP)**

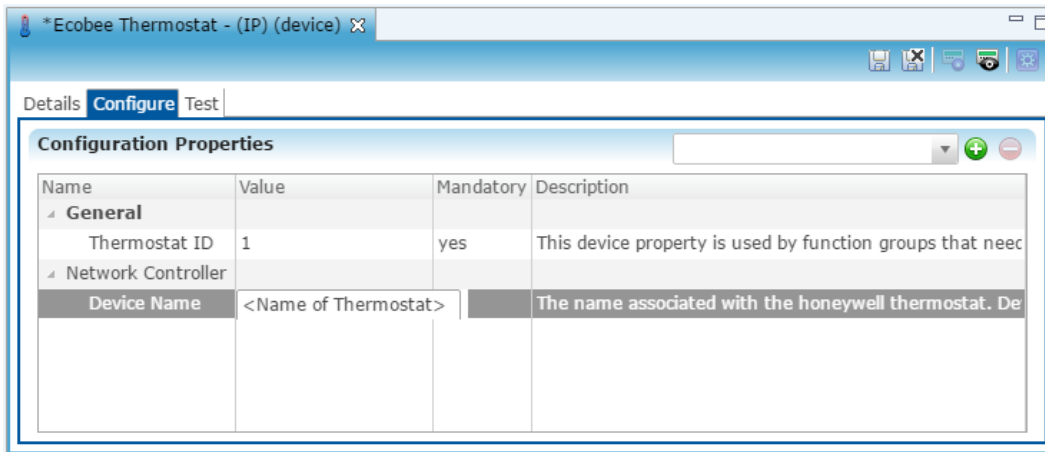



3. Click **OK**.

The **Details** tab displays.

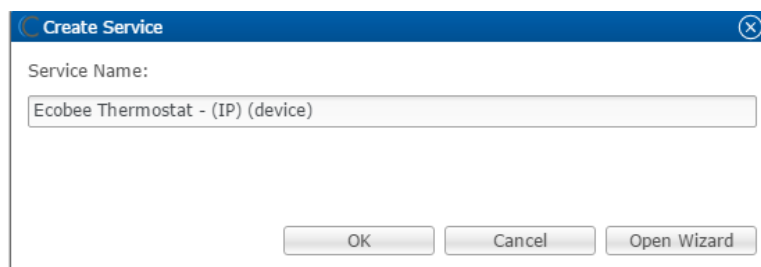


4. Enter a name and notes for the thermostat.
5. Click the **Configure** tab.



6. Enter values in the following fields:
  - **Thermostat ID:** Enter the thermostat number associated with that Ecobee thermostat.  
**Note:** The Thermostat ID is unique. We recommend numbering the thermostat in installation order. For example, the first thermostat installed has the thermostat id of 1, the second thermostat has a thermostat id of 2.
  - **Device Name:** Enter the same name assigned to the Ecobee thermostat in registration.  
**Note:** The device name is case sensitive.
7. Click the **Save** button .

The Create Service dialog displays.



8. Click **OK**, the service is automatically created for you.  
**Note:** You can select Open Wizard to check or change the controls points as needed.
9. Deploy your project. You must pair the thermostat after deploying the project.

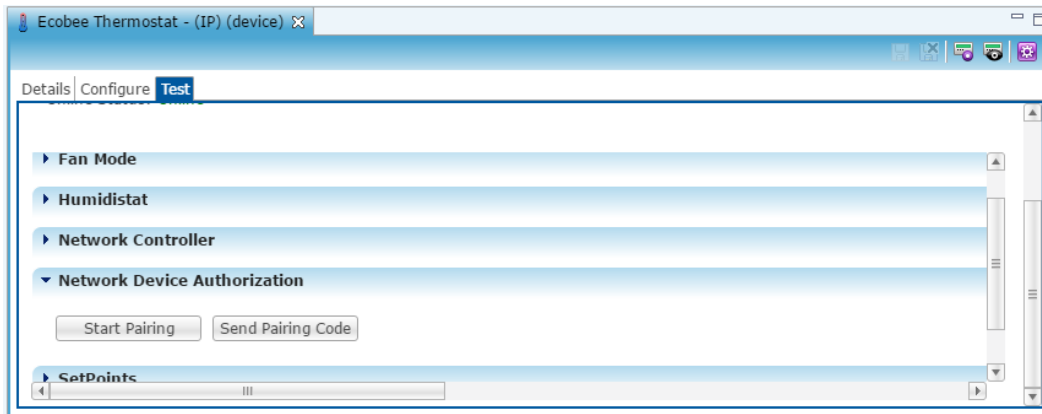
## Pairing the thermostat

**Note:** The device must be deployed before it can be paired.

After you have configured the Ecobee in Fusion and deployed, you must pair the thermostat to the project. You will need access to the Fusion and the Clare Controls Ecobee website.

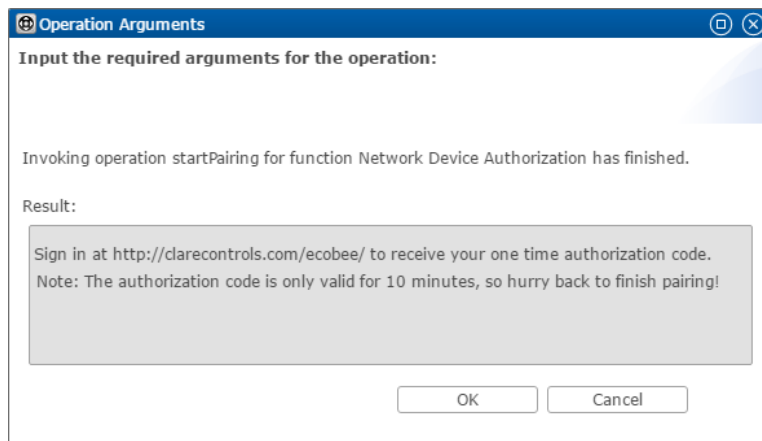
**To pair the thermostat to your project:**

1. Access your Fusion project, and then double click on the Ecobee thermostat.
2. Click the **Test** tab, and then expand **Network Device Authorization**.



3. Click **Start Pairing**.

The Operations Arguments dialog displays.



4. Copy the web address displayed in the dialog (<https://www.clarecontrols.com/ecobee/>), and then click **OK**.

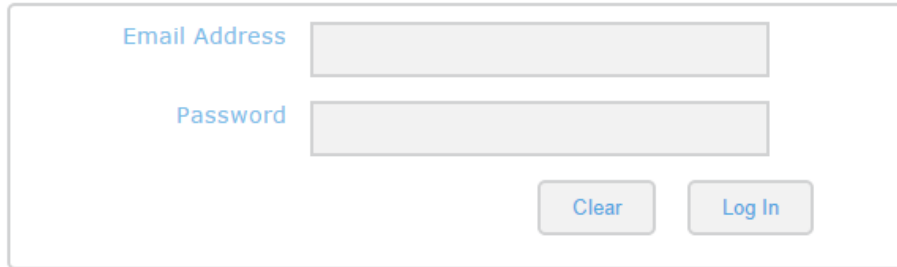
5. Open a new browser tab and browse to the copied url.

The Clare Controls Ecobee landing page displays.

**Note:** If you are currently logged into the Ecobee website, the Authorize App dialog displays. You will not have to log in again.

ecobee

### Log in to Authorize App

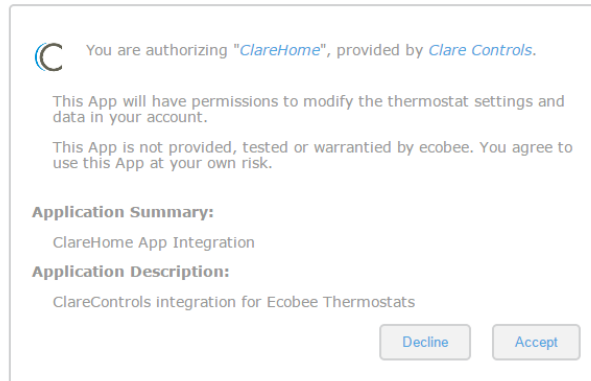


A login form titled "Log in to Authorize App". It contains two input fields: "Email Address" and "Password". Below the fields are two buttons: "Clear" and "Log In".

6. Login with the credentials used for the Ecobee website.

You are prompted to authorize ClareHome to access the Ecobee thermostat.

### Authorize App



An "Authorize App" dialog box. It features a circular icon with a 'C' and text stating: "You are authorizing 'ClareHome', provided by Clare Controls." Below this, it lists permissions: "This App will have permissions to modify the thermostat settings and data in your account." and a disclaimer: "This App is not provided, tested or warranted by ecobee. You agree to use this App at your own risk." The dialog includes sections for "Application Summary" (ClareHome App Integration) and "Application Description" (ClareControls integration for Ecobee Thermostats). At the bottom right, there are "Decline" and "Accept" buttons.

7. Click **Accept**.

The Ecobee token displays.

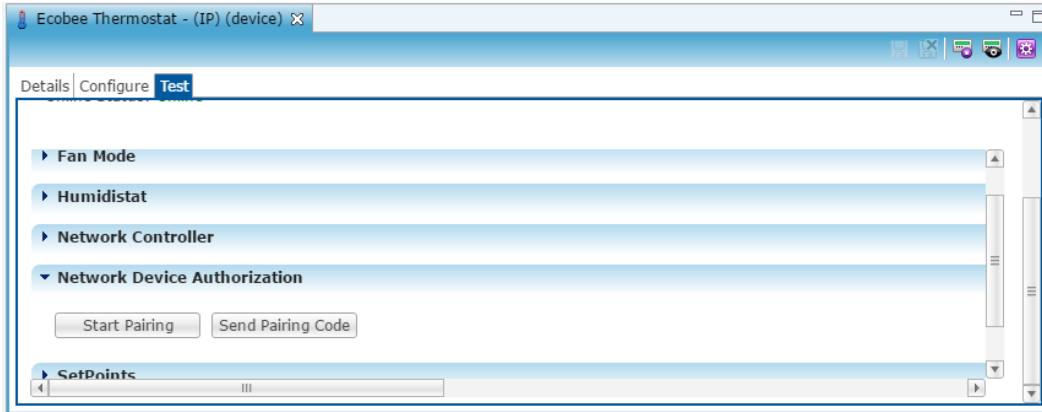
## Your Token

It looks like all went well. Your token is below.

YBj1EacCKyQEtXNe2oZkYTDuvs53A0aA

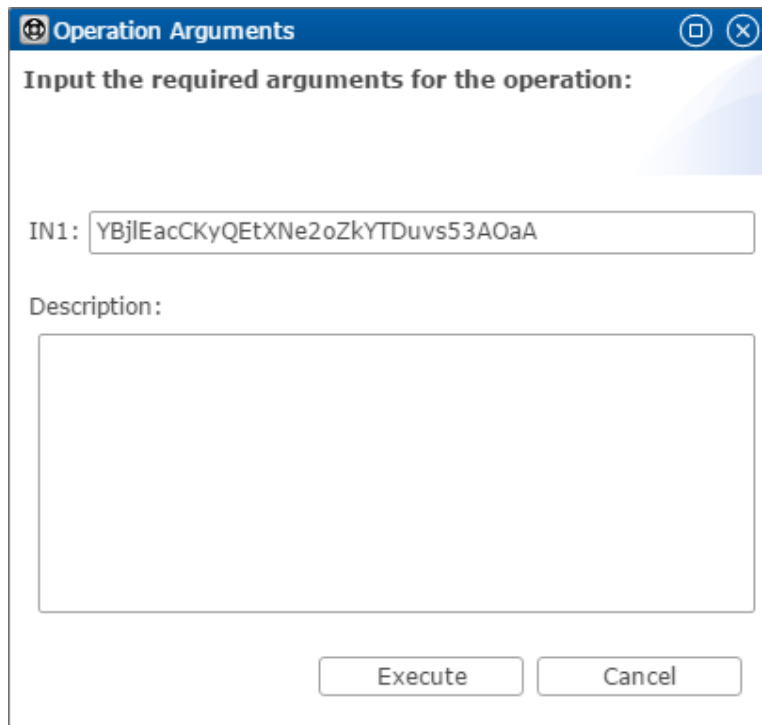
Copy to Clipboard

8. Click **Copy to Clipboard**, and then return to the Fusion browser tab.



9. Click **Send Pairing Code**.

The Operations dialog displays.



10. Paste the token into the Operation Arguments **IN1** field, and then click **Execute**.

Test the thermostat to ensure that it is connected to ClareHome.

**To test the Ecobee thermostats connection:**

1. Double click the thermostat, and then click the **Test** tab.
2. Expand SetPoints.

The current setpoints are displayed.

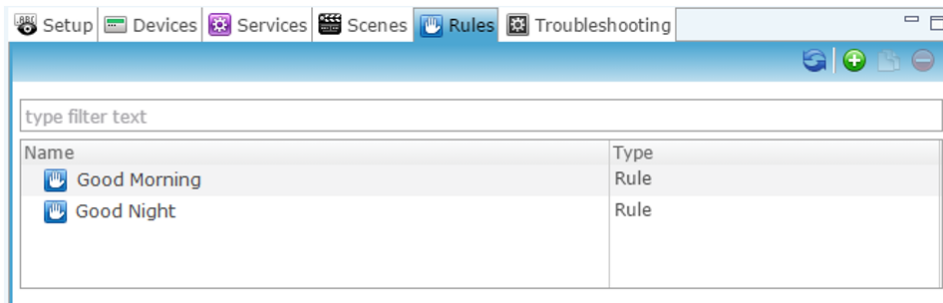



## Configuring rules with the Ecobee thermostats

Configure a rule for your thermostat. The example below shows how to set a rule for alerting the customer of the home's temperature. If the thermostat reaches above 72°F, an email notification is sent.

### To create a rule for the thermostat in Fusion:

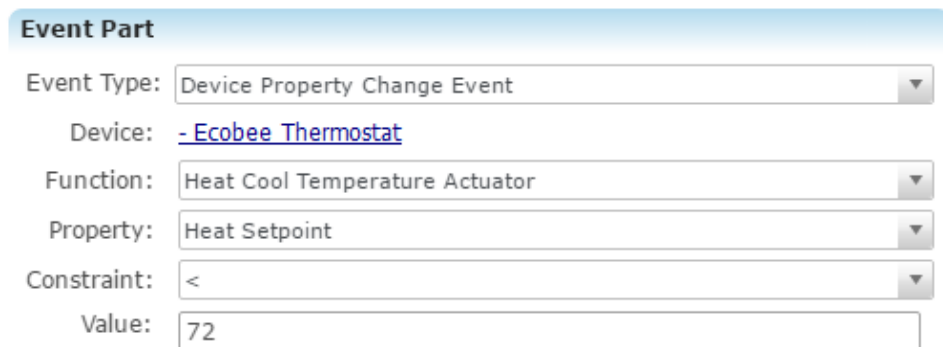
1. Access your project, and then click the **Rules** tab.



2. Click the **New Rule** button .
3. Enter a name for the rule, and then select the Enable Rule checkbox.



4. Configure the Event Part as below.
  - **Event Type:** Device Property Change Event  
**Note:** This event type is replacing the Device Property Change Event.
  - **Device:** Ecobee thermostat
  - **Function:** Heat Cool Temperature Actuator
  - **Property:** Heat Setpoint
  - **Constraint:** <
  - **Value:** 72

A screenshot of the 'Event Part' configuration form. It contains the following fields:

**Event Part**

Event Type: Device Property Change Event

Device: [- Ecobee Thermostat](#)

Function: Heat Cool Temperature Actuator


Property: Heat Setpoint

Constraint: <

Value: 72

5. Configure the Action part as below.

- **Action Type:** Send Email
- **Recipients:** The homeowner's Email address

**Note:** To add an Email address, you must click the green plus icon . Do this for each desired Email recipient.

- **Subject:** The purpose of the alarm
- **Text:** The information included in the email

The screenshot shows a configuration window titled "Action Part". It has a dropdown menu for "Action Type" set to "Send Email". Below it is a "Recipients" section with a list containing "Tivan@gmail.com" and a green plus icon to add more. Underneath are fields for "Subject" (containing "It's getting warm!") and "Text" (containing "The thermostat has reached above 72. You may want to turn on the AC.").

6. Click the **Save** button , and then deploy the project.

## Contact information

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Homeowner Support (ClareCare): 941.315.2273 (CARE)

[help@clarecontrols.com](mailto:help@clarecontrols.com)