



First Alert Thermostats

Crestron Home™ Driver

Base Model: HVAC

Device Type: Platform Extensions

Version: 1.0.0

Notes & Recommendations

This driver controls First Alert thermostats. Initially, pair the thermostat with the First Alert app by following its instruction manual. As this driver utilizes a cloud-based connection, an active internet connection is required. Additionally, you must register a free Resideo developer account due to manufacturer access limitations. Owners must also authorize thermostat control via a web browser for Crestron integration. Note that the driver polls for feedback approximately every five minutes, in accordance with First Alert API restrictions.

As a cloud-based API, command execution may take several seconds to reflect across devices and applications.

System Requirements and Dependencies

Versions of software used:

- Crestron Home 4.10.260
- An active internet connection to the processor
- Resideo developer account (<https://developer.honeywellhome.com/>)
- First Alert credentials for authorizing thermostats

This driver comes with a 2-hour trial license. You can purchase a full license at <https://digitalautomation.us/product/first-alert-hvac-driver-for-crestron-home/>

For additional information on this driver, please visit the FAQs section on our website

https://digitalautomation.us/product/first-alert-hvac-driver-for-crestron-home/#desc_tab

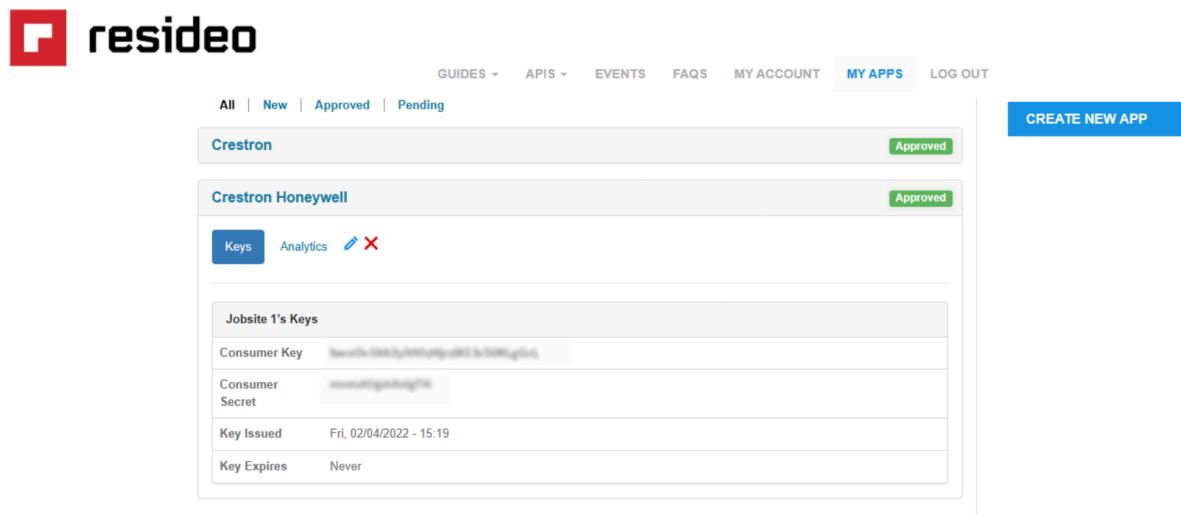
Installation/Upgrade Instructions

First, ensure the thermostat is paired with the First Alert app. Next, create and log in to a Honeywell Resideo developer account

(<https://developer.honeywellhome.com/>).

Navigate to My Apps > Create New App. Set any App Name; for the Callback URL, enter **None** (case-sensitive) and save your changes.

A new entry should appear. If you click inside it, you will retrieve your Consumer Key and Consumer Secret. Copy both down, as you will need to provide this information to the driver.



Generate Authorization Code

Open a web browser and enter the appropriate URL below, replacing the bracketed placeholders ({ }) with your specific values:

- **First Alert URL:**
`https://api.honeywell.com/oauth2/authorize?response_type=code&client_id={apikey}&redirect_uri={redirectUri}&subSystemId=5`

Instructions for replacing values:

- Replace **{apikey}** with your **Consumer Key**.
- Replace **{redirectUri}** with **None** (note that this is case-sensitive).

Examples of what your final URL should look like:

https://api.honeywell.com/oauth2/authorize?response_type=code&client_id=yourapikeyhere&redirect_uri=None&subSystemId=5

The diagram illustrates the process of replacing placeholders in a URL. At the top, a URL is shown: https://api.honeywell.com/oauth2/authorize?response_type=code&client_id={apikey}&redirect_uri={redirectUri}. Below this, two web interfaces are shown. The first interface, titled "Crestron's Keys", displays a table with the following data:

Crestron's Keys	
Below are keys you can use to access the API products associated with this application (Crestron). The actual keys need to be approved and approved for an API product to be capable of accessing any of the URIs defined in the API product.	
Consumer Key	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Consumer Secret	XXXXXXXXXXXXXXXXXXXX
Key Issued	Tue, 06/07/2022 - 12:52
Key Expires	Never

The second interface, titled "Edit Crestron", shows the "App Name" as "Crestron" and the "Callback URL" as "None". Red arrows indicate the mapping: one arrow points from the "Consumer Key" value in the first interface to the **{apikey}** placeholder in the URL, and another arrow points from the "None" value in the second interface to the **{redirectUri}** placeholder in the URL.

Note:

Do not use the back button on your browser. It could invalidate the authorization code and affect the generation of authorization codes in this browser session! Always use the original URL when you get a new authorization code.

resideo

Sign In

Email

developer@digitalautomation.us

Password

.....

Forgot password?

SIGN IN

New User? Create an Account

Sign In Help

The homeowner must log in and authorize access. Ensure all thermostats intended for Crestron control are selected.

FIRST ALERT[®]
by **resideo**

By selecting Allow, you acknowledge and agree that:

Resideo will share certain information about me and my devices with **Jobsite 1**.

I am giving **Jobsite 1** and/or the program service provider access to the devices that I select.

I will be subject to **Jobsite 1**'s terms of use and privacy statement.

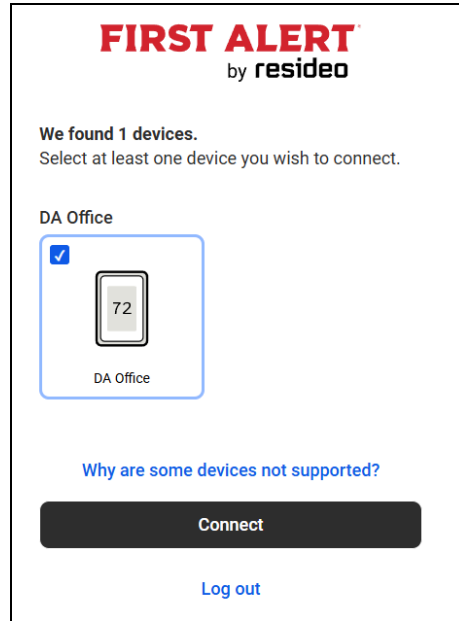
[Resideo Terms of Use](#)

[Resideo Privacy Statement](#)

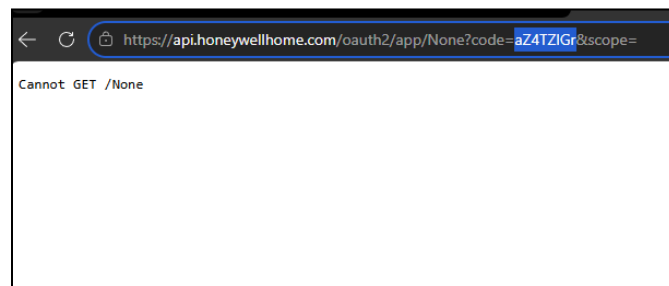
Deny

Allow

[Log out](#)

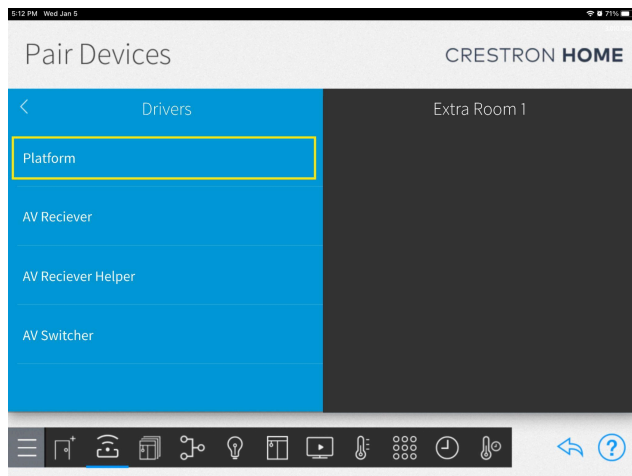


Upon pressing connect, you will be redirected to an error page. Copy the authorization code from the URL (found after *code=* but before the *&*) for entry into the driver settings.

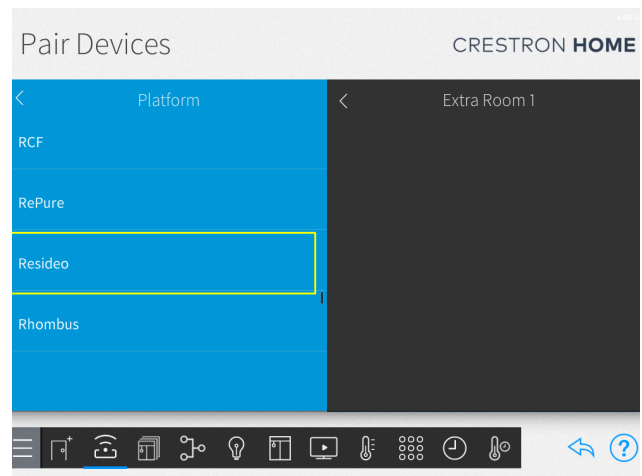


Install the Driver

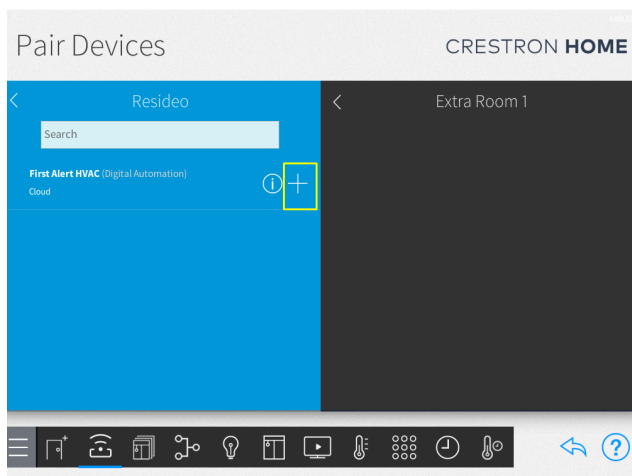
Install the CH driver (Drivers > Platform > Resideo)



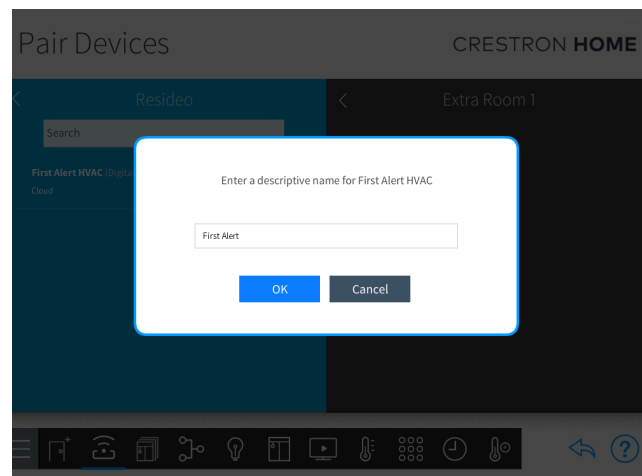
1-Select Platform



2-Select "Resideo"



3-Add driver to Room



4-Add a name for the Thermostat

Enter the authorization code, API Key, and API Secret. Input the location name exactly as it appears in the First Alert app (case-sensitive).

<https://api.honeywell.com/oauth2/app/none?code=XXXXXXXXXX&scope=>

Installation Settings

①

Authorization code?

Please, enter the authorization code. It is available from the Honeywell page:
<https://developer.honeywellhome.com/authorization-oauth2/apis/get/authorize>

①

User API key?

Please, enter the User API key. It is available from the developer account web page:
<https://developer.honeywellhome.com/>

①

User API Secret key?

Please, enter the user API Secret key. It is available from the developer account web page:
<https://developer.honeywellhome.com/>

①

Site Name?

Please, enter the Site Name.

Family

①

Instance number?

Please, enter the instance number for this driver. The number should be different between driver instances. It helps to save the user thermostat information gotten from Honeywell.

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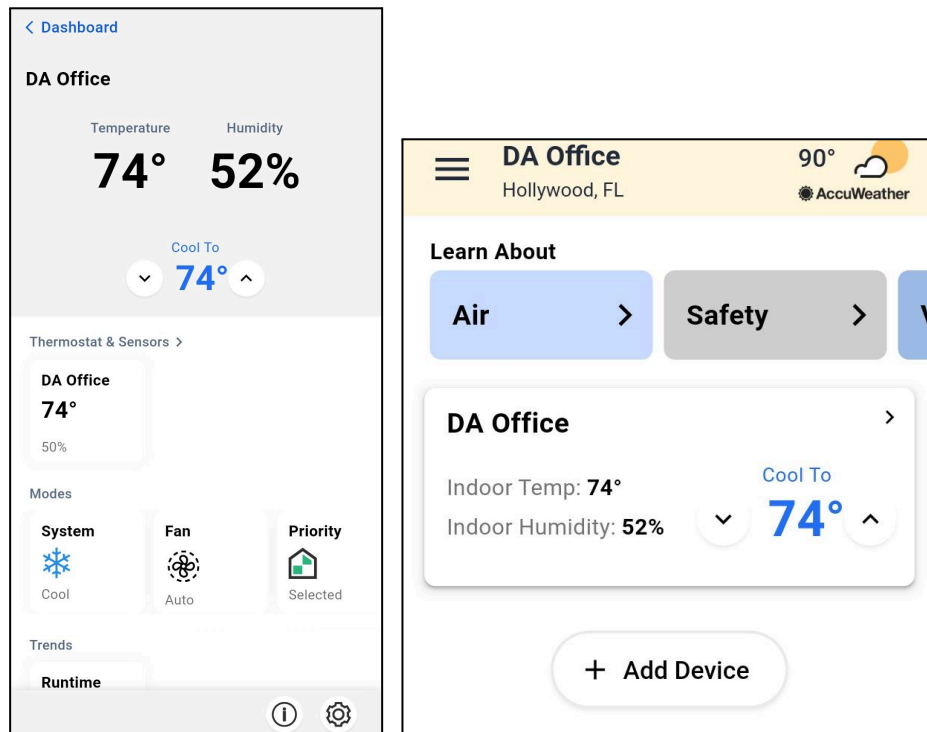
Crestron's Keys

Below are keys you can use to access the API products associated with this application (*Crestron*). The actual keys need to be approved *and* approved for an *API product* to be capable of accessing any of the URIs defined in the API product.

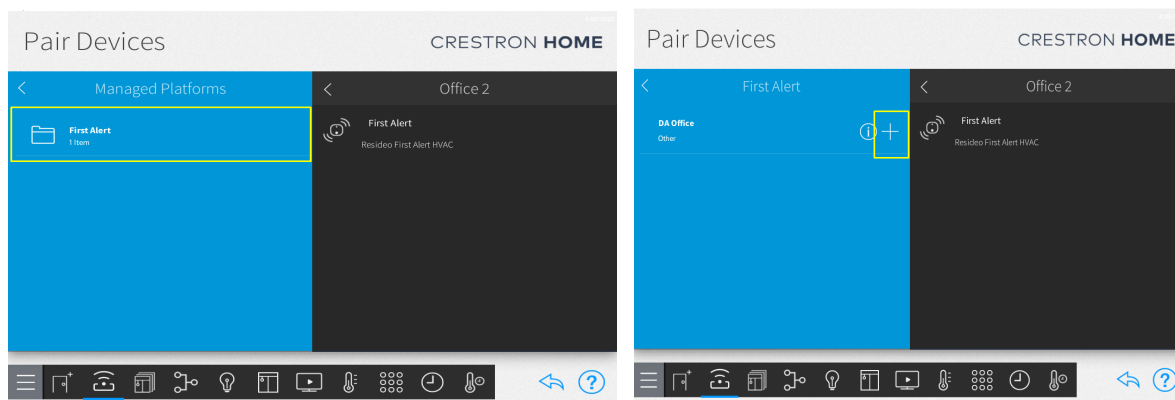
Consumer Key	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
Consumer Secret	XXXXXXXXXXXX
Key Issued	Tue, 06/07/2022 - 12:52
Key Expires	Never

The **site name** is found in the First Alert app or during authorization. Enter this into the "Site Name?" field.

First Alert App:



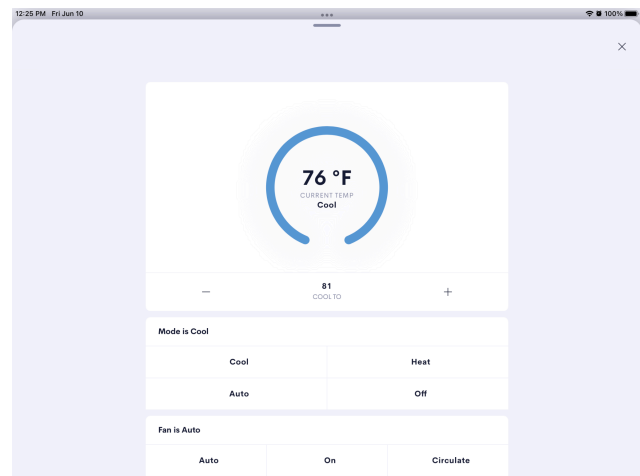
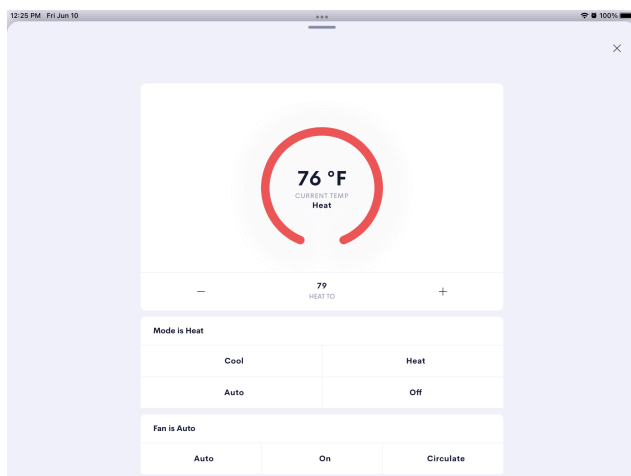
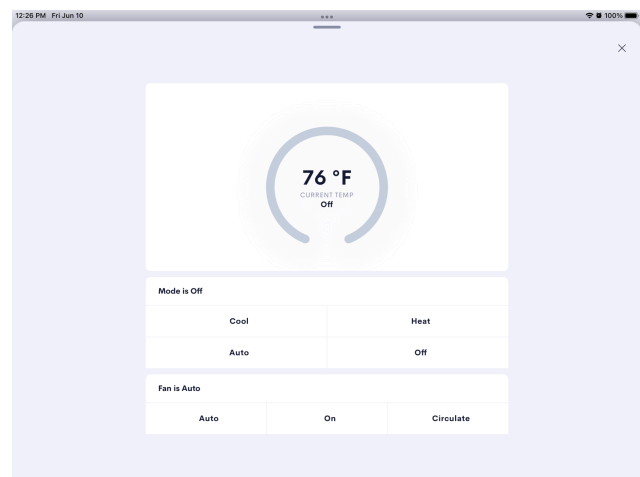
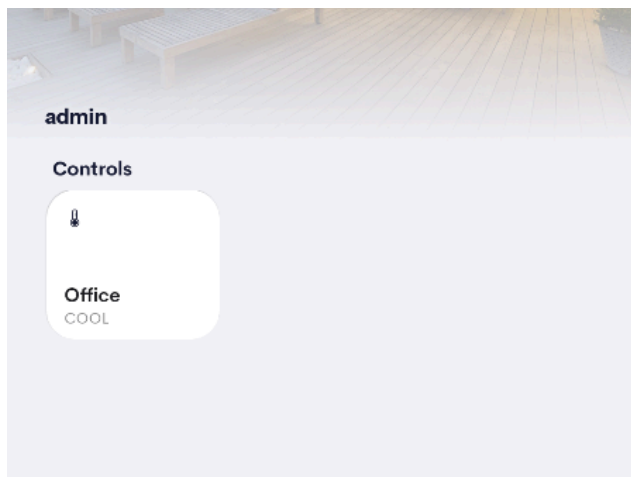
Once complete, select OK. The system will create a folder in **Drivers > Managed Platforms** containing the available thermostats. Assign each to its respective room.

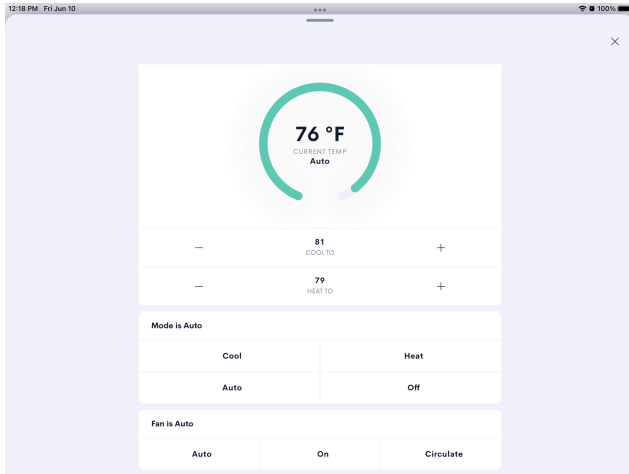


Note:

If the processor reboots without an internet connection, thermostats will reappear once polling resumes, which may take up to one hour.

End-User Experience





Schedule:

The driver displays the current schedule mode.

Updated schedules must be engaged at least once to take effect. If triggered via the thermostat or First Alert app, updates may take up to six minutes to reflect in the driver.

Schedule buttons are only visible when active schedules are defined on the device.

Additional Information:

While a schedule is running, manual setpoint adjustments trigger "Hold Until" mode, which lasts until the next scheduled event.

Schedule buttons:

- **Run Schedule:** Run the current schedule.
- **Permanent Hold:** Hold the setpoint values and ignore the scheduler

Known Issues

- Feedback polling is restricted to five-minute intervals per First Alert API requirements.
 - Thermostats paired via Total Connect Comfort (TCC) or Honeywell Home are unsupported.
 - Temperature data is not displayed if the thermostat is pinned to the Crestron HoneywellHome page due to platform limitations.
 - Following a reboot, thermostats may require at least 20 seconds to initialize, particularly in systems with multiple active drivers.
-

Supported Features

- System Mode Changes (Off, Cool, Heat, Auto). Auto is available if the device supports it.
 - Fan Mode Changes (Auto, On, Circulate)
 - Setpoint Changes (Cool and Heat)
 - Schedule Mode (Run, Permanent Hold)
 - Show the thermostat on the home screen or in the room.
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Test Environment

The following hardware was used for testing:

Crestron hardware:

- CP4R - firmware v4.0010.0260
- Crestron Home (processor) 2.8000.00057
- TSW - firmware 1.006.0046
- Android - 4.10.5+pr
- iOS - 1.21.15

Supported HVAC

- HVAC
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Contact Information

If you have any questions, please contact us at drivers@digitalautomation.us

Version History

1.0.0

06/22/2026

- Initial release
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Licensing and Copyright Information

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Certain Crestron products contain open-source software. For specific information, please visit www.crestron.com/opensource