Control Programming LLC

Release Notes

CPLLC WeatherFlow Tempest

Version 5.00 · November 17, 2026

Product	CPLLC WeatherFlow Tempest (Crestron Home extension)
Version	5.00
Release date	November 17, 2026
Where to find it	Drivers › Sensor › WeatherFlow › Tempest
Requires	Crestron Home OS 4.12 or later and a WeatherFlow Tempest weather station whose hub is on the same network (subnet) as the processor; for the forecast, a Tempest personal access token and an internet connection
Licensing	A Tempest license key (cpllc.net/product/weatherflow-tempest) or a CPLLC site license key (cpllc.net/product/site-license), entered in the extension's Enter License Key, or a site license key once in the CPLLC License Manager

Overview

The CPLLC WeatherFlow Tempest extension brings a Tempest weather station into Crestron Home. The Tempest's hub broadcasts every reading on the local network, so the extension needs no address, account or cloud to show the weather at the house: the temperature, humidity, wind, rain, pressure, UV, solar radiation, light and lightning, refreshed every minute. Its events start sequences when rain starts or stops, lightning strikes nearby, the wind rises above a limit, or the temperature, humidity, UV or rain pass the limits the installer sets. With a Tempest personal access token it adds the current conditions and a five-day forecast from WeatherFlow.

Capabilities

Capability	What it does
Local readings	Temperature, humidity, wind (average, gusts, direction), rain today and the rain rate, pressure, UV index, solar radiation, light and battery, from the hub's broadcasts every minute; no internet needed.

Capability	What it does
Rain and lightning as they happen	Rain starting and each lightning strike, with its distance, the moment the Tempest reports them.
Units	Temperature Scale picks every unit on the page: Fahrenheit shows °F, mph, inches, inHg and miles; Celsius shows °C, km/h, mm, hPa and km.
Sea-level pressure	The Tempest measures the pressure at its own height; with the station's elevation (the Elevation option, or WeatherFlow's own with a token) the page shows sea-level pressure, as weather reports do.
Forecast	With a personal access token: the current conditions on the tile and the next five days on the page, read every 30 minutes.
Events	Rain Started / Stopped, Lightning Detected (within a distance), Wind Above / Below Limit, and above / below events for the temperature, humidity, UV, heavy rain and the day's rain, each at a limit the installer sets.
PIN code	A PIN can be required before the page opens.
Live changes	Debug output turns on and off while the processor runs.

What's New in 5.00

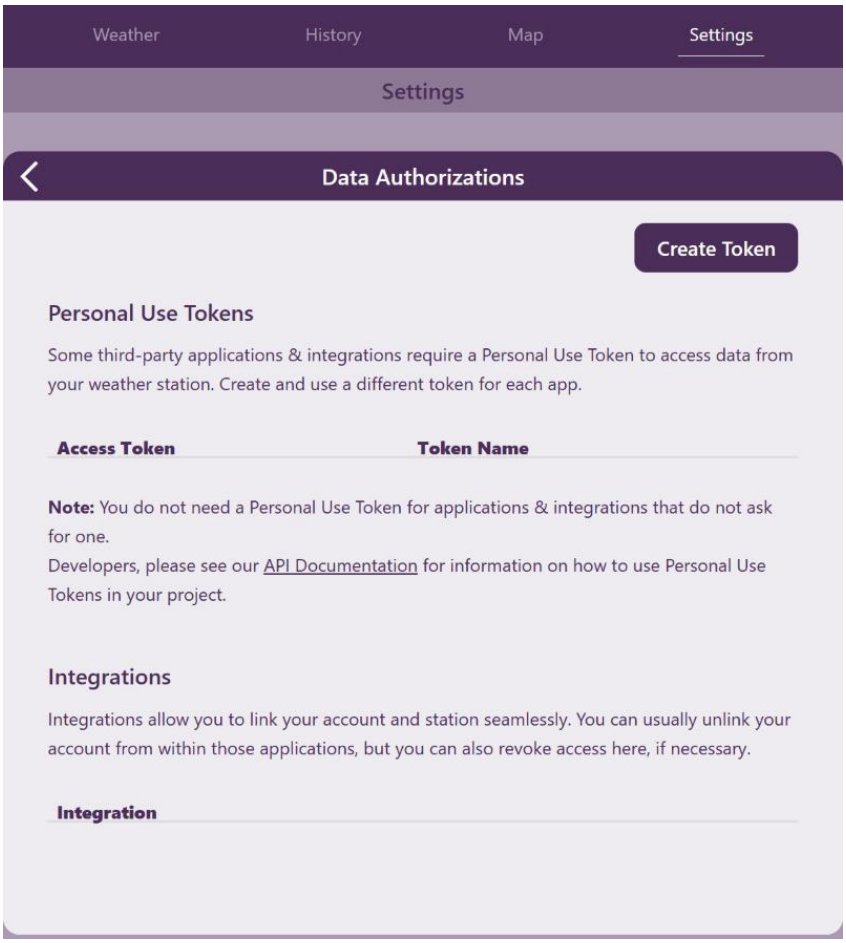
- First release.

Installing

Set up the Tempest with the Tempest app first, and make sure its hub is on the same network (subnet) as the Crestron Home processor: the hub's broadcasts don't cross routers or VLANs. Then add the extension from Drivers › Sensor › WeatherFlow › Tempest. Nothing about the Tempest needs entering: the extension finds it by listening. Where there is more than one Tempest, enter the serial number of the one to show (ST-…, on the label under the Tempest and in the Tempest app under Settings, Stations, Manage Devices).

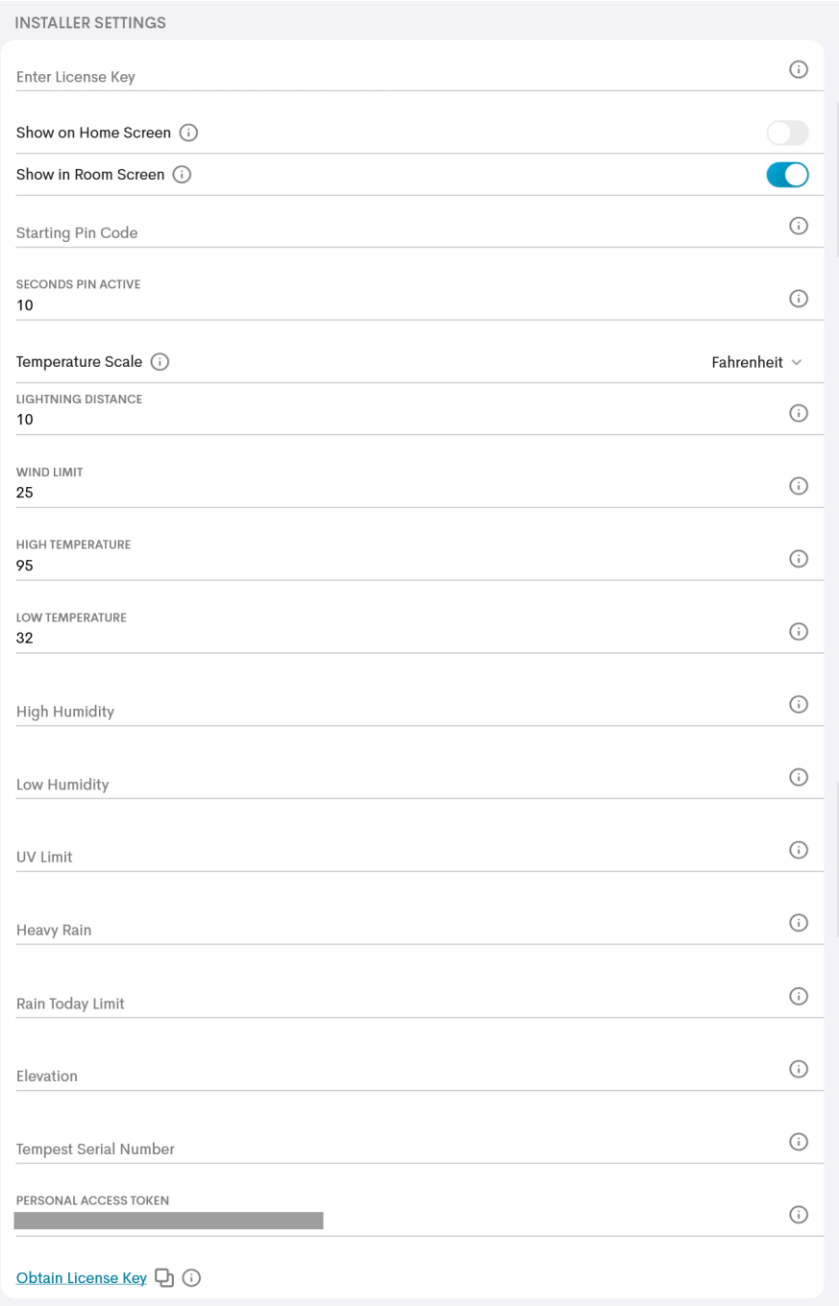
The forecast (optional). The forecast needs a personal access token for the Tempest account the station is registered to:

- Sign in at tempestwx.com with that account.
- Open Settings, then Data Authorizations.
- Choose Create Token, name it (for example Crestron Home), and copy the token it shows.
- Paste it into the extension's Personal Access Token option.



Settings › Data Authorizations at tempestwx.com: Create Token

With the token the extension also reads the station's elevation from WeatherFlow, so Elevation can be left blank.



Installer Settings in Configure Pro (the token masked)

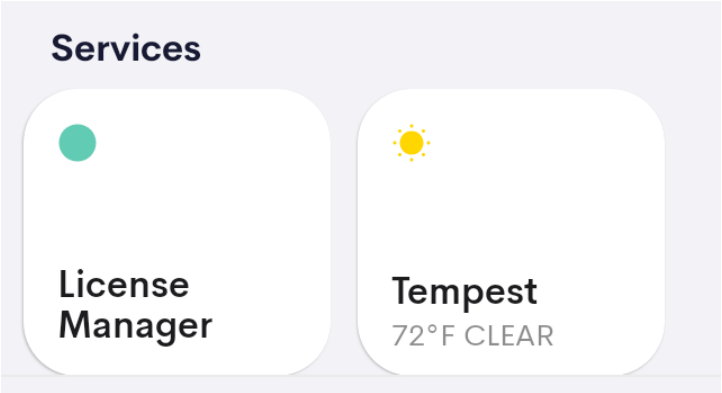
Installer Options

Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Tempest license key. Leave blank when the site has a CPLLC site license.
Show on Home Screen	Shows the tile on the Home screen (default off).
Show in Room Screen	Shows the tile in its room (default on).

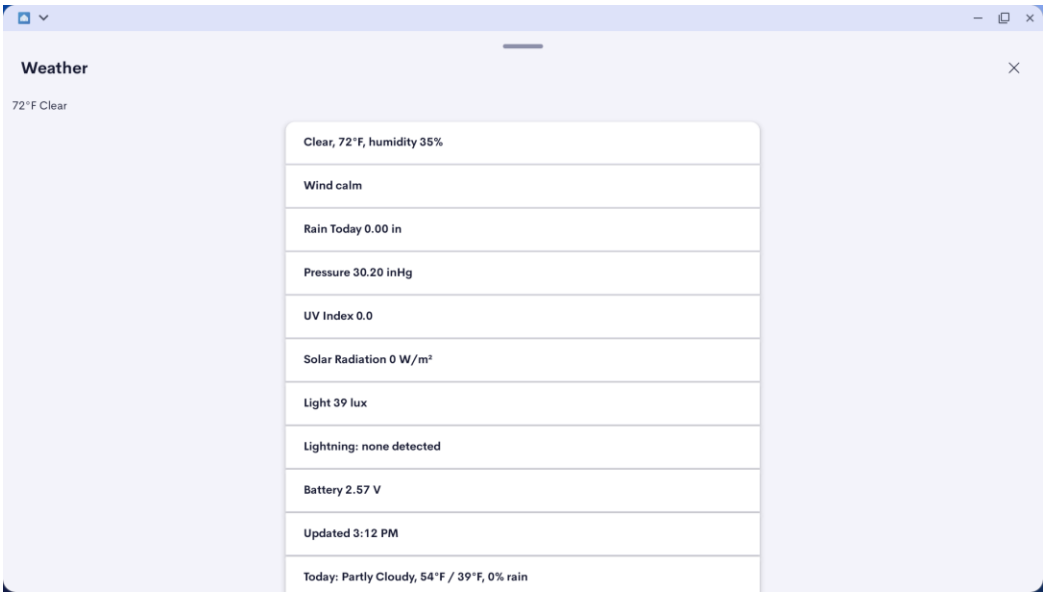
Option	Description
Starting Pin Code	A numeric PIN that must be entered before the page opens. Blank means no PIN (the default).
Seconds Pin Active	How long the page stays unlocked after the last touch (default 10 seconds).
Temperature Scale	The units the page shows: As Reported (the Tempest's metric units), Fahrenheit (°F, mph, inches, inHg, miles) or Celsius (°C, km/h, mm, hPa, km). The limits below are in the same units.
Lightning Distance	Lightning Detected is raised for a strike no farther than this, in miles (Fahrenheit) or km (default 10; 0 for every strike).
Wind Limit	Wind Above Limit is raised when a gust reaches this speed, in mph (Fahrenheit) or km/h, and Wind Below Limit once gusts fall under 80% of it (default 0, none).
High Temperature / Low Temperature	Temperature Above / Below High Limit around the high one, Temperature Below / Above Low Limit around the low one. Blank for none.
High Humidity / Low Humidity	Humidity Above / Below High Limit and Humidity Below / Above Low Limit, in percent. Blank for none.
UV Limit	UV Above / Below Limit around this UV index. Blank for none.
Heavy Rain	Heavy Rain Started when the rain rate per hour rises above this (inches with Fahrenheit, else mm), Heavy Rain Stopped when it falls back. Blank for none.
Rain Today Limit	Rain Today Above Limit when the day's rain passes this, Rain Today Below Limit when the day's count starts again. Blank for none.
Elevation	The station's height above sea level, in feet (Fahrenheit) or metres, so the page shows sea-level pressure. Blank uses WeatherFlow's elevation with a token; with neither, the page shows the station's own pressure.
Tempest Serial Number	The Tempest to show (ST-…), where there is more than one. Blank uses the first one heard.
Personal Access Token	A token from tempestwx.com (Settings, Data Authorizations, Create Token) for the forecast and the station's elevation. Blank for the local readings only.

End-User Experience

The tile shows the temperature with the current conditions (Raining while it rains, Offline while the Tempest is silent). Its page lists the current weather, the wind, the day's rain, the pressure, UV, solar radiation, light, the last lightning strike, the battery and the time of the last report, then one line per forecast day with a token.



The Tempest tile in a room



The page: the current weather, the readings and the forecast

Without a valid license key or a CPLLC site license, the tile runs for a two-hour grace period after the extension starts; then it shows License Expired. Entering a valid key, or adding a site license, clears it without a restart.

Sequences

The extension's events are under its name in Customize Actions & Events. Each limit's pair of events exists whether or not a limit is set; with the limit blank neither is raised. An event is raised when its condition changes, not for the state the extension starts in.

The actions:

Action	Description
Extension Enable / Extension Disable	Enables or disables the device. A disabled device shows Disabled and raises no events.

The events:

Event	Description
Rain Started / Rain Stopped	The Tempest reported rain starting; no rain for 10 minutes.
Lightning Detected	A lightning strike no farther than Lightning Distance.
Wind Above Limit / Wind Below Limit	A gust reached Wind Limit; gusts fell under 80% of it.
Temperature Above High Limit / Temperature Below High Limit	The temperature rose above High Temperature; fell back under it.
Temperature Below Low Limit / Temperature Above Low Limit	The temperature fell below Low Temperature; rose back above it.
Humidity Above High Limit / Humidity Below High Limit	The humidity rose above High Humidity; fell back under it.
Humidity Below Low Limit / Humidity Above Low Limit	The humidity fell below Low Humidity; rose back above it.
UV Above Limit / UV Below Limit	The UV index rose above UV Limit; fell back under it.
Heavy Rain Started / Heavy Rain Stopped	The rain rate rose above Heavy Rain; fell back under it.
Rain Today Above Limit / Rain Today Below Limit	The day's rain passed Rain Today Limit; the day's count started again.
Extension Enabled / Extension Disabled	The device was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered (with a Starting Pin Code set).

Known Limitations

- The Tempest's hub must be on the processor's own network (subnet): its broadcasts don't cross routers or VLANs.
- Rain Today counts from local midnight, and from when the extension starts: the hub sends no daily total, so after a restart part way through a day the count starts again.
- Tested with a Tempest on a processor running Crestron Home 4.12: the readings, the sea-level pressure and the forecast. Rain, lightning and the limit events have not yet been seen on real weather.
- The forecast is WeatherFlow's, read every 30 minutes, and needs the processor to reach the internet; the local readings don't.

Test Environment

Crestron Home 4.012.0194 on an MC4-R, with a WeatherFlow Tempest; set up with Configure Pro 4.12.

Version History

Date	Version	Changes
2026-11-17	5.00	First release
2026-11-17	5.00	The page’s Updated line names the source (from WeatherFlow)

Support

> **CPLLC Site License**
> A CPLLC site license is one key per processor, entered in the License Manager, that licenses every CPLLC extension and platform on that processor, current and future, so no product needs a key of its own. See the Site License page. Customers who already own CPLLC license keys can upgrade to a site license on the CPLLC website for the difference.

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Product page	https://cpllc.net/product/weatherflow-tempest/

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