

Load Display Driver

The Load Display Driver accompanies the EnergyFlow for Tesla driver. Together they enable Control4 to integrate with Tesla energy products.

Configuration

Prerequisites

1. Configure the EnergyFlow for Tesla driver.

Initial configuration

1. Add this display driver to the project.
2. Go to **Connections** and find the EnergyFlow for Tesla driver.
3. Connect this driver to one of the `Load State Out` bindings.

When properly configured, you can view the current load state in the readonly properties, including current power in watts and last updated time.

Properties

- `Cloud Status` Indicates if the license is activated, expired, or if updates are available.
- `Automatic Updates` If 'On', automatically install updates when they become available.
- `Driver Version` Numeric version of the driver.
- `Debug Mode` When 'On', print debug messages to the 'Lua' tab, and also log to the Control4 debug log.
- `Last Updated` The date and time when the load state was last updated. This is the last time the EnergyFlow for Tesla driver sent an update. If this is not updating, ensure the Load Display driver is properly bound to the EnergyFlow for Tesla Load State Out connection.
- `Load Power (Watts)` The current power consumption of the house.

Programming

Conditionals

Conditionals allow you to create advanced programming logic based on household load. Available conditionals include:

- `Load Power in Watts [LOGIC] [VALUE]` - Compare household power consumption using logical operators with a numeric value from 0 to 30000 watts

Example uses: Trigger alerts when household consumption exceeds certain thresholds, automate load shedding when power usage is too high, or create energy efficiency reports based on consumption patterns.

Variables

- `LOAD_POWER_WATTS`
- `LOAD_LAST_UPDATED`

Support

We hope you have a trouble-free experience with this driver. If you encounter problems, please contact Driver Central support as a first step. If they're unable to resolve your problem they will escalate the problem to Blessing Innovations LLC.

If there are additional features you would like to see in this driver, please submit them by creating an issue at <https://gitlab.com/dblessing/c4-energyflow-for-tesla/-/issues>