Octopus Energy Driver For Crestron Home

Revision: 2.0
Date: 27 October 2026

Supported Installation

This is a Crestron Home driver for Crestron Home processors. It will only work on OS 4 and above.

Description

The driver provides information from your Octopus Energy gas or electric meters for display in Crestron Home, including consumption, pricing and cumulative costs for the past day, week, or month. Please note that this information can only be shown for smart meters.

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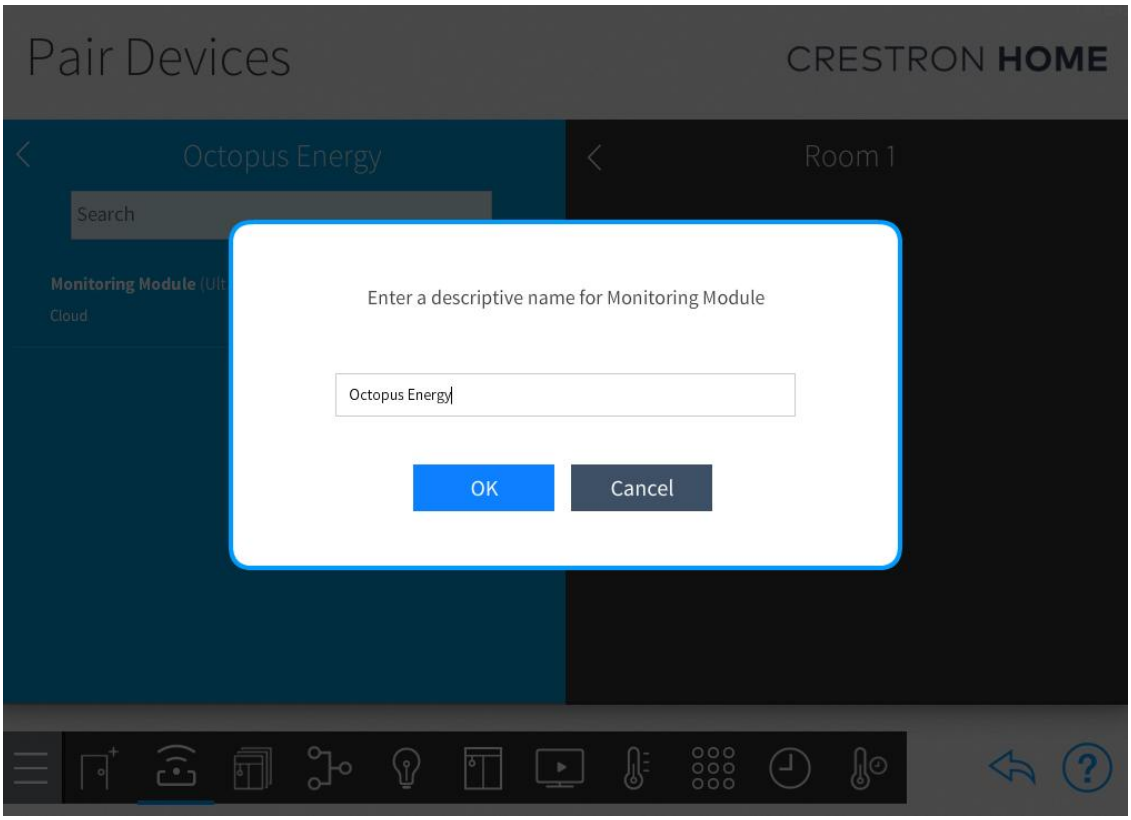
Installation

The driver can be found under:

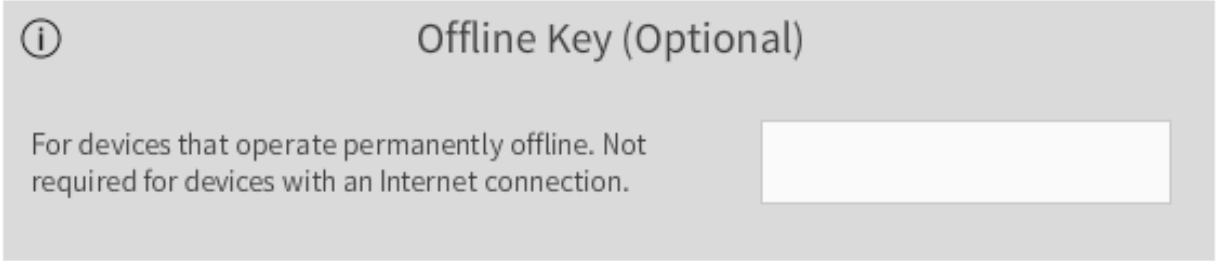
Drivers > Platforms > Octopus Energy

Adding the Driver

Ensure a room is selected, and then click on the '+' against the appropriate device. You will be asked to provide a descriptive name – this can be anything you wish.



The driver is licensed via the cloud, but an optional "offline" key can be requested under special circumstances. Please FIRST refer to the "Licensing" section below and then contact support@ultamation.com if you REQUIRE offline activation. The same offline key can be used for multiple driver instances in the same system.



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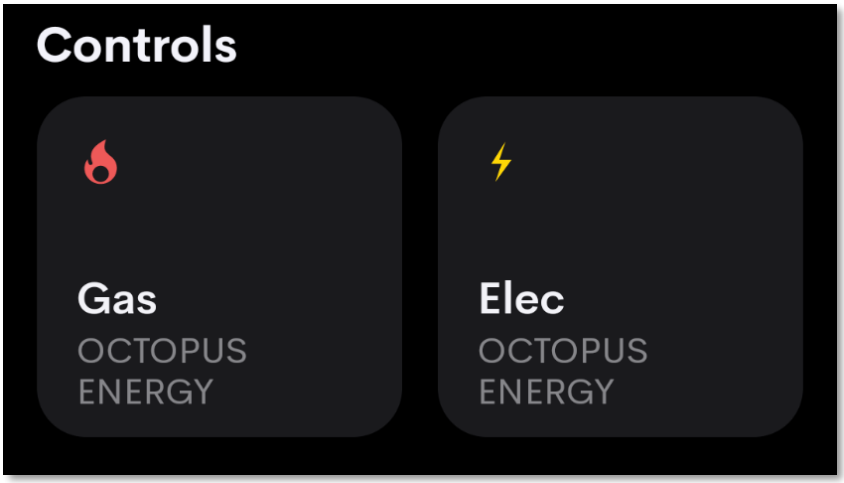
If you do not have a cloud licence and do not enter a valid offline licence key, the system will function for ONE hour and then control will be suspended. The offline licence key can be entered at any time after initial setup without having to reconfigure each tile.

Once added, the driver will query the Octopus Energy API to find meters on your account. When it discovers any, it will add meter objects to the 'Managed Platforms' section of the Crestron Home setup app. You can then press the '+' next to each meter to add them, after which they will be visible on the home screen of Crestron Home. Assuming each meter is a smart meter, the driver will then query the API again and start displaying consumption and pricing data for each smart meter.

User Interface



Each tile is shown on the home screen in Crestron Home. It will show the name you input when adding the device.

You can press this tile to bring up a view displaying data from the meter. This includes a radial gauge with consumption data on, the cost for each half-hour period (along with the start and end times for that period), and the time the data was fetched.

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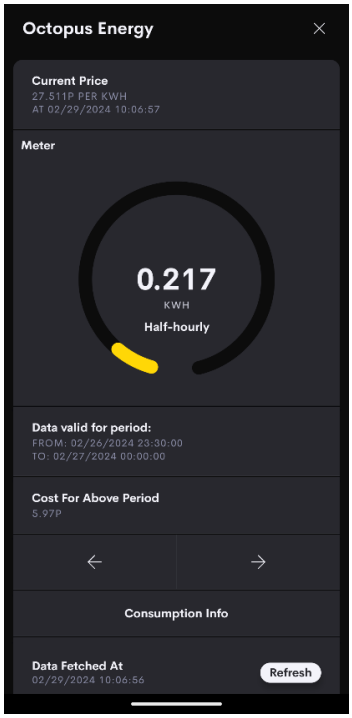
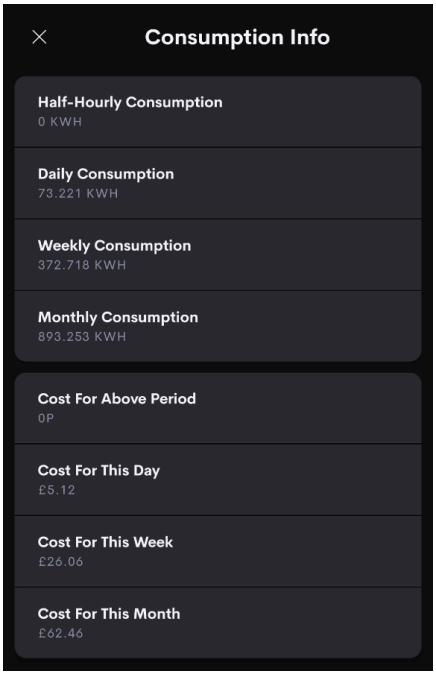


The left and right arrow buttons can be pressed to 'scroll' through data for different half-hour periods: pressing left shifts the data back 30 minutes and right shifts the data forward 30 minutes. Note that, while your meter might show consumption up to the current time, the Octopus Energy API doesn't make this data available until at least the day after. As such, the data you can see may only show up to midnight of the prior day.

There are two subpages that can be accessed from this tile. The first is the 'Consumption Info' page, which looks as follows:



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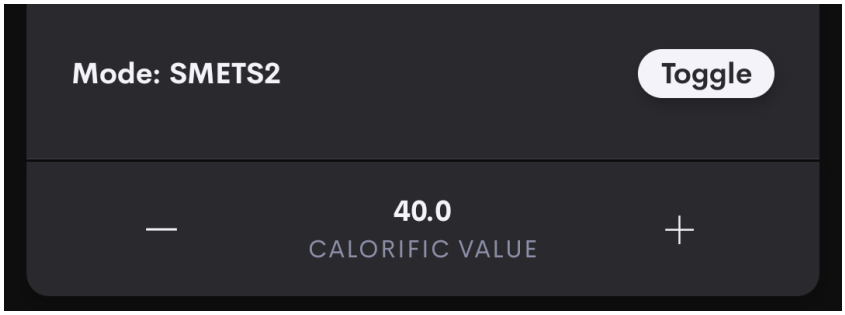
Here you can see half-hourly, daily, weekly and monthly consumption and pricing values. These are from the latest consumption value, for example, if the latest consumption value is from 1pm on 3/4/2024 (Wednesday) it will calculate the daily values from 00:00 that morning to the latest value. For weekly and monthly these sums start from 00:00 on the first day of that week (Monday) or the 1st of that month.

If you scroll down, you'll find the second subpage: the 'Meter Details' page. Here you can see the meter type (gas or electric), the serial number of the meter, the Octopus Energy product name and tariff name, and the MPRN or MPAN for the meter.

If the meter is a gas meter, you will also see a button labelled 'Mode: SMETS1'. Tapping this button toggles between SMETS1 mode and SMETS2 mode, which affects how the consumption (and by extension, pricing) data is calculated. Set this mode to the correct mode for your gas meter to get more accurate data.



When set to SMETS2 mode, you will see an extra raise/lower control, labelled 'Calorific Value'. Calorific value can vary, and is used in the calculation of consumption data, so if this is incorrect you will get inaccurate data. The value defaults to 40, but you can find the correct calorific value on your gas bill. Please note that, due to these complications with calculating gas consumption, the data shown for gas consumption (and, by extension, pricing) may not be 100% accurate, but it is a best estimate.

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Support

If you have any issues with an integration solution please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such as a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

Licensing

This integration solution (including software, images and all other associated assets distributed as part of the purchased download package) is licensed on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The integration solution is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the integration solution's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this integration solution and this will be a separate, purchasable, product.

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Cloud Licence

This integration solution contacts Ultamation's licensing server at startup. If the server finds a matching licence for the integration solution and processor then the integration solution will be licensed. Otherwise, the integration solution will check the offline licence key. If you purchase a licence **after** you have loaded the integration solution, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the integration solution **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the integration solution will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

To request an OFFLINE key, please contact support@ultamation.com with your order details and a brief explanation why you REQUIRE offline activation. Ultamation reserve the right to refuse offline activation.

NOTE: Once an offline key has been issued no further licence changes will be granted. Moving the integration solution to a new processor will require an additional licence purchase.

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