

GUDE EXPERT POWER DRIVER FOR CRESTRON HOME

Revision: 1.00

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CRESTRON HOME ONLY

This document describes the configuration of the GUDE Expert Power PDU Driver for Crestron Home only. To make use of the Extension drivers the minimum Crestron Home version is **3.003.0035**.

ADDITIONAL READING

Please refer to the Using 3rd Party driver document for instructions on installation and configuration of the driver with Crestron Home.

SUPPORTED INSTALLATION

The driver is designed to integrate GUDE Expert Power PDUs via IP control. The module has been tested against the following models: 8045, 8226, 8291. The module queries the connected device for its capabilities, so the module should adapt to any GUDE Expert Power PDU, though we strongly suggest you test the module against your selected unit to confirm. Issues should be reported to GUDE.

MODULE DESCRIPTION

The driver provides outlet switching control of GUDE Expert Power PDUs via the Crestron Home Extension Device integration. An instance of the module should be added for each PDU to be controlled.

Each instance then queries the PDU to discover the configuration – such as the number of outlets, general power statistics and attached temperature/humidity/pressure sensors. The configuration is dynamic, so removing a sensor will – after a short delay – result in the GUDE device tile updating to reflect the change.

In addition to control of each outlet (on, off, reset) the integration also provides various data to allow you to monitor the power system, energy usage, etc.

Each PDU to be controlled will require a separate definition using the driver, but the same licence key can be used for multiple PDUs on a single processor.

After importing the driver (see the general "How to" document), the PDU will be found under:

Devices > Power > GUDE

Adding the PDU Tile

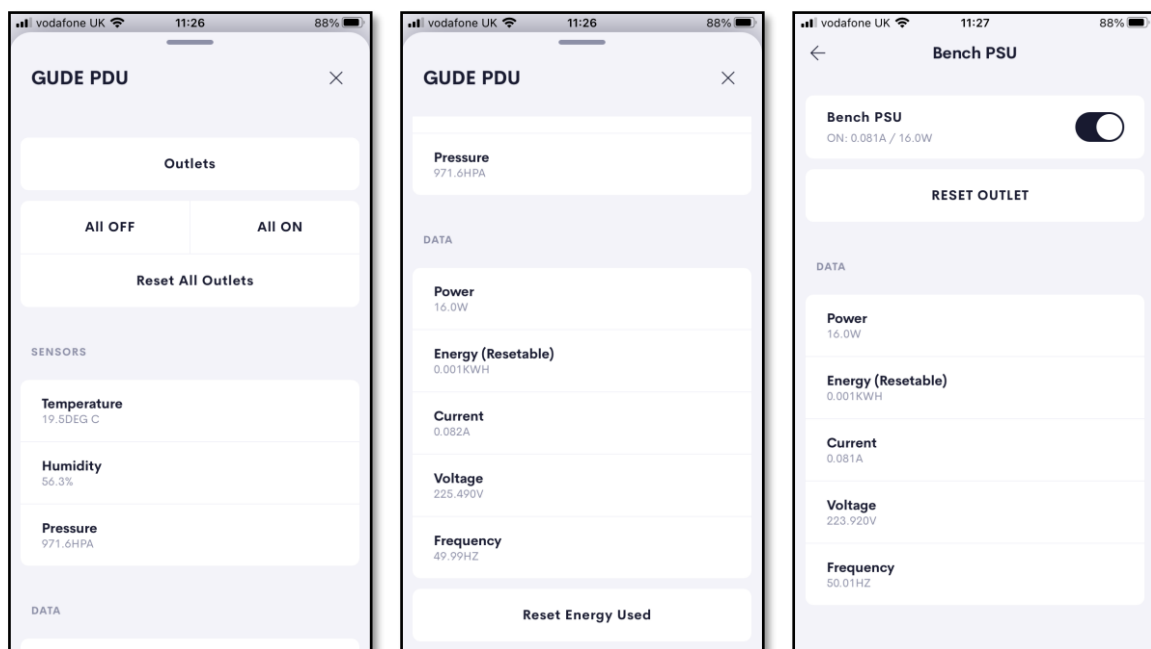
Ensure a room is selected, and then click on the '+' against the appropriate device.

You will be asked to provide a descriptive name for the PDU – this can be anything you wish. You will also need to specify the IP address for the device. The IP control port should be left at 80. Depending on the configuration of your PDU, you may require authentication to allow Crestron Home to connect to the device. This is configured via the PDU web interface, under Configuration -> Ethernet -> HTTP Server.

If you do NOT the HTTP password enabled, you should leave "Requires Authentication" unchecked.

The device will be added to your system.

Once added, the PDU will be available within the designated room under Crestron Home. The images below provide an overview of what is offered by the module – subject to the specific capabilities of your devices.



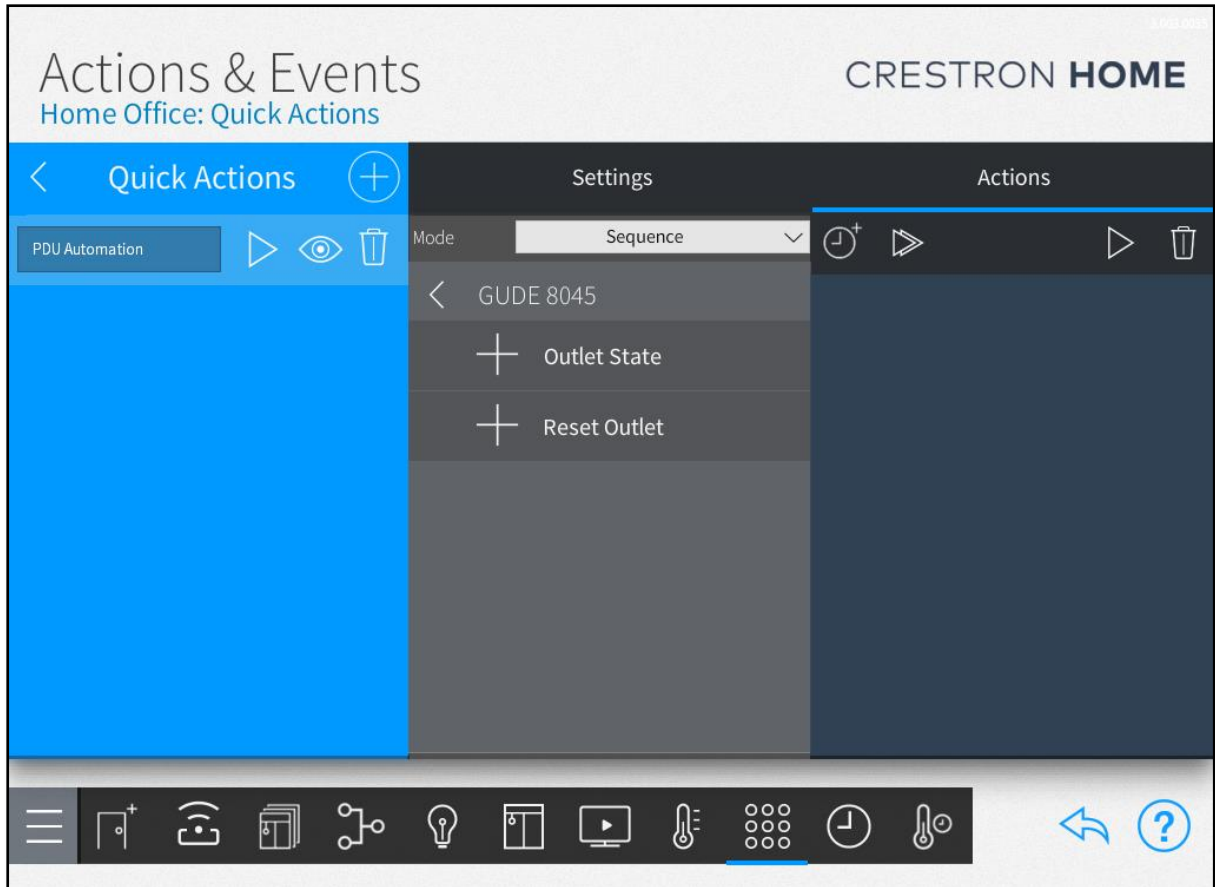
The first and second image show the PDU detail, accessed by touching the tile in Crestron Home. Touching outlets will drill down into the outlets of the PDU and then take you to the individual outlet control/data as shown on the far right.



The entire PDU can be controlled using ALL ON, ALL OFF, and RESET ALL buttons, and the cumulative energy consumption can be reset using the "Reset Energy Used" found below the DATA section.

The SENSOR section will only appear if a suitable sensor is attached to the PDU.

QUICK ACTIONS & SEQUENCES

A number of functions are exposed to sequences via Crestron Home's quick actions. This allows you to automate PDU outlet control via sequences tied to events in the Crestron Home system.



-  Outlet State
This allows you to set the specified outlet (given a numeric index) to ON or OFF.
-  Reset Outlet
This will "reset" a specified outlet based on its configured settings. E.g. Off, wait 5 seconds, On.

SUPPORT

If you have any issues with a driver or installation, please contact GUDE for support.

LICENCE

This module (including software, images and any and all other associated assets distributed as part of the download package) is licenced for use on Crestron Home systems against GUDE Expert Power devices.

The module 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 module's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this module and this will be a separate, purchasable, product.