ESPHome device. will be automatically detected as an If you have Home Assistant, this device

monitored by the device. This page will display the data being

via USB. displayed in the logs when connected with the original packaging, but is also addresss). This should be displayed DAM) əsivəb əht rof relifinebi where XXXXXX is the individual

http://pulse-for-esphome-XXXXXX.local

in web server. Visit the web page: be seen from the device using the built Data from the Pulse for ESPHome can

Seeing your Data

Warnings

Always use a licenced electrician when accessing or modifying household electrical wiring.

Do not lift over high voltage power lines without a network access permit.



successfully set. that a Wifi connection has been The Improv tool will confirm

> (eg. USB JTAB/serial debug unit) - Select the serial port to use

- Go to the Improv-Wifi website

connected with a USB-C cable

Using a laptop or computer

- Select the device to pair with

- Go to the Improv-Wifi website

Configure with USB Serial

- Set the Wifi details

- Set the Wifi details

- Select: Improv via BLE

- Select: Improv via Serial

Improv process. To setup, continue with the

has has been reset. The controller LED will flash the user button for 4 seconds. While powered up, press and hold

> Improv process. factory reset to activate the

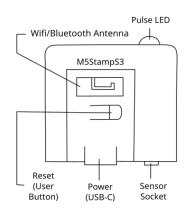
to indicatethat the device

It may be necessary to do a

Resetting the Device

Pulse for ESPHome

Installation Guide



Configure with Impro





Configure with Bluetooth

Using a mobile phone with Bluetooth

About the Pulse for ESPHome

The Pulse for ESPHome detects the pulses from your electricity meter and makes this data available via Wifi for energy monitoring in real time.

Monitoring the household electricity meter will allow you to know how much power you are consuming as you use your appliances.

Features:

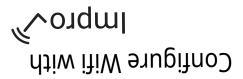
- * Simple to install
- * No Internet, subscriptions or other services required
- * Immediate access via a Web Browser
- * Works with Home Asssitant for long term data storage and energy management

More details, documentation and code on Github https://github.com/PaulSchulz/pulse-for-esphome

Wifi Password Wifi Network Name Details required:

(BLE) or aUSB Cable (Serial) your wifi network, via Bluetooth you to set the wifi details for The Improv web page will allow

Visit: http://improv-wifi.com



Installation

You will need:

- An Electricity Meter with a pulse LED
- Double sided tape
- USB-C Power Supply or Battery
- Household Wifi Network (2.4GHz)
- Web browser to view data
- * Locate your household electricity meter and find the Pulse LED.
- * Check the pulse rate for your electricity meter. (This is typically 1000 pulses per kWh, the default setting.)
- * With double sided tape, secure the sensor (photo diode) directly over the meters pulse LED.
- * Plug the sensor into the controller, and plug in USB-C for power.
- * Once powered, use Improv to configure the Wifi network details (next page).