



PumpFuse user manual

Model: PF02

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Reset button and LED status



To reset the device to factory settings press and hold the button for at least 6 seconds and release it. Short press the reset button to switch the pump ON after the protection stopped it.

LED light	Status
Flashing twice rapidly	The device is not configured. Ready to be connected to the app.
Half a second "on", half a second "off"	Connecting to home WiFi network.
Solid light	The device is connected through the home WiFi with the Internet.
Solid light interrupted briefly every 3 seconds	The device is connected to the home WiFi but failed to push the last notification to the server (e.g. the Internet was not available).
Fast flashing	Firmware upgrade is in-progress.

Installation instructions

The device is water resistant and suitable for outdoor use as long as it is not immersed in water. Do not exceed the rated [capacity](#).

Mount the device horizontally near GFCI outlets at least 3ft above the ground with the 2 screws provided. Make sure your home WiFi has a strong signal nearby.

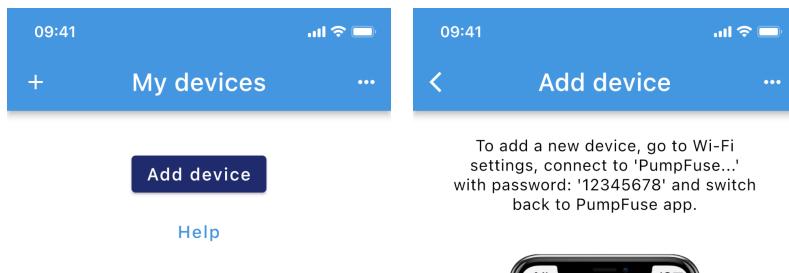


Connecting the PumpFuse app

1. Download the PumpFuse app from Google Play or AppStore.



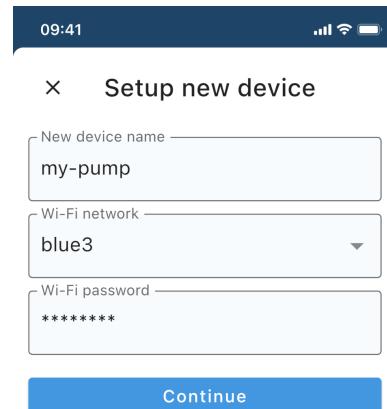
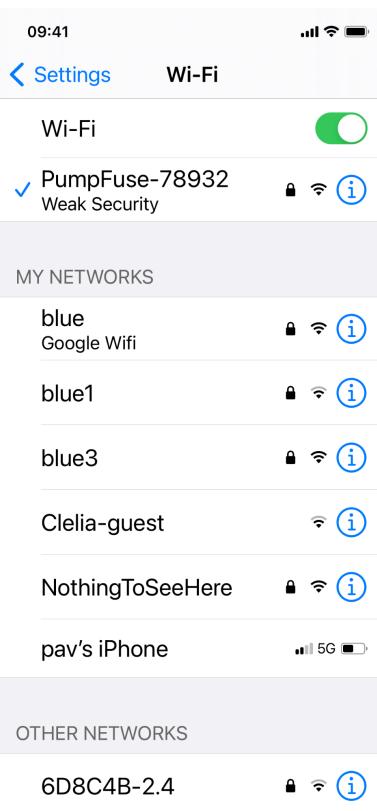
2. Plug in the device into the power outlet. Make sure the LED light is flashing twice rapidly. To reset the device to “ready to connect” state, hold the button for 6 seconds.
3. Tap the “Add device” button.



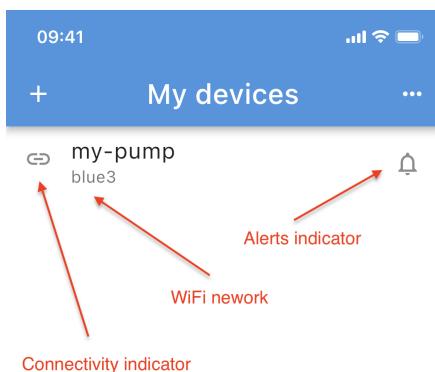
4. Go to Wi-Fi settings, connect to 'PumpFuse-XXXXX' with password: '12345678' and switch back to PumpFuse app.



Searching for new devices



5. Name your device, select your home WiFi network from the list, and enter the WiFi password. Tap the “Continue” button.

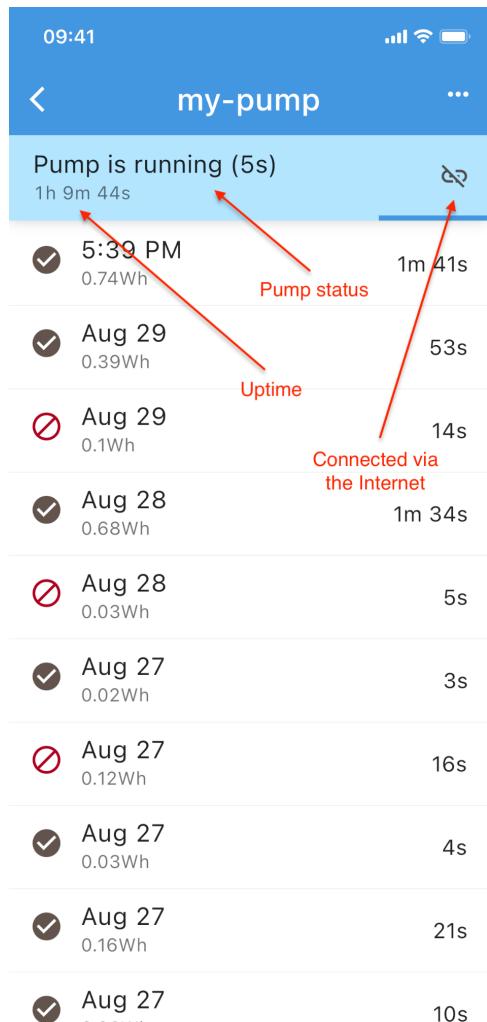
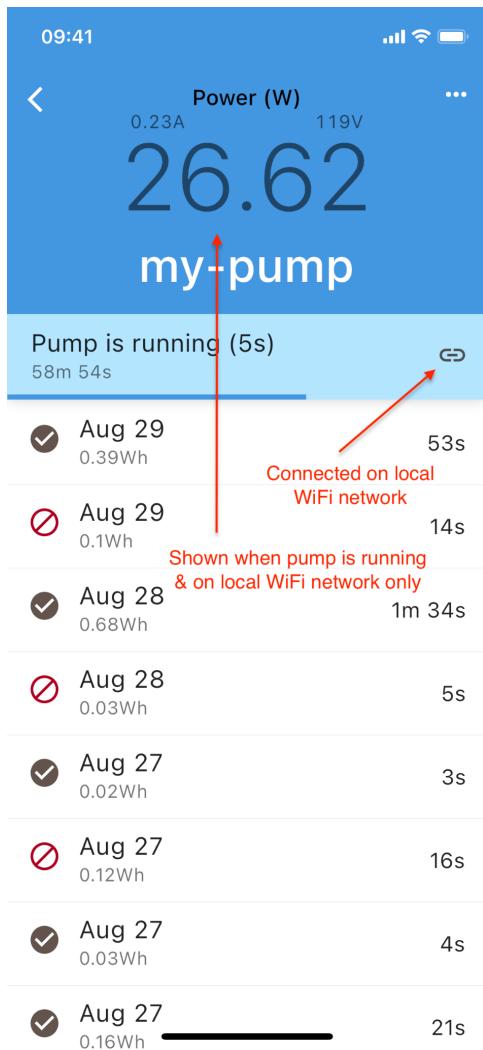


6. Congratulations!. You have connected the app to the new device.
7. You can manage as many PumpFuse devices as you like from the same app.
8. The app can scan your wifi network and automatically list the available devices so that you can add them to your “My devices” list.

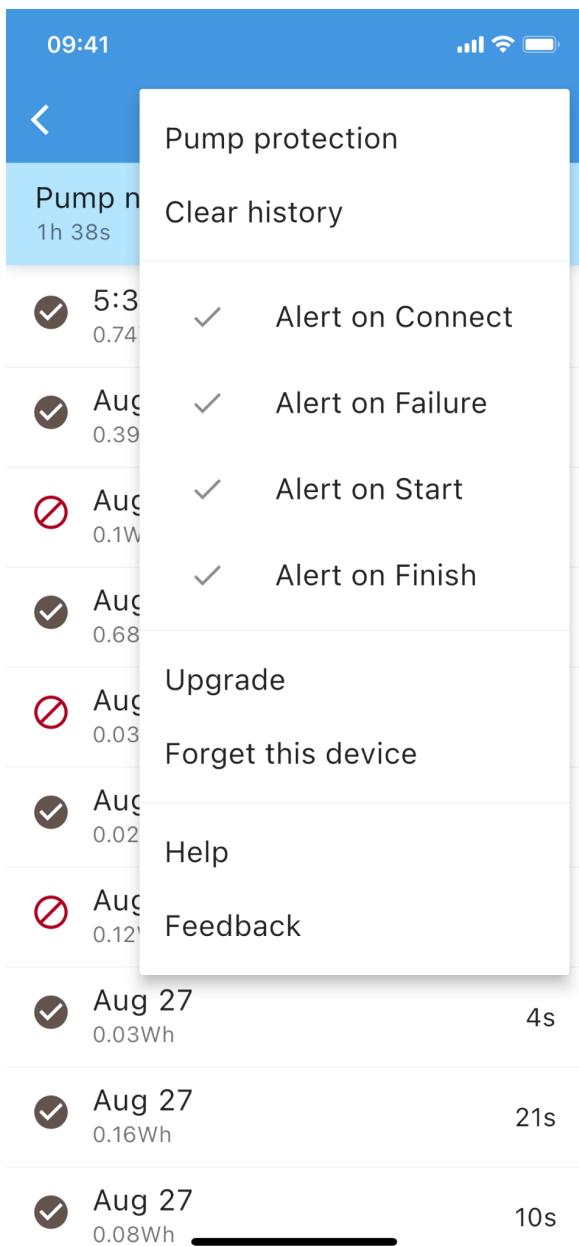
Monitoring your pump

By default the PumpFuse device monitors the power consumption of your pump in **watts**, the current in **amps**, and the voltage in **volts**. It records each run and stores it in the device history. You can monitor the pump status, receive notification alerts and view the device history while connected to the local WiFi network or via the Internet, away from home.

Connectivity indicator



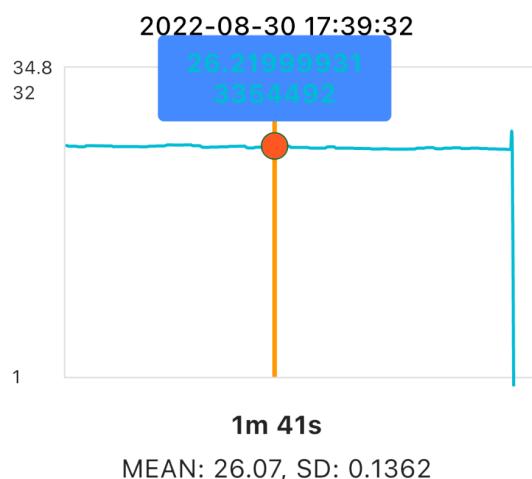
Notification alerts



- **Alert on Connect** - As soon as the device is online and connected to the Internet it sends a “Hello!” message to the app
- **Alert on Failure** - If pump protection is enabled you will get the alert message when the pump is stopped by the device due to High or Low tripping
- **Alert on Start** - Know when the pump started working
- **Alert on Finished** - Know when the pump stopped working

Pump run history

Whenever the pump finishes running, the data is stored in the history list. You can view the run data as on a chart for the past two weeks or up to 25 records. You can clear the history from the menu options.



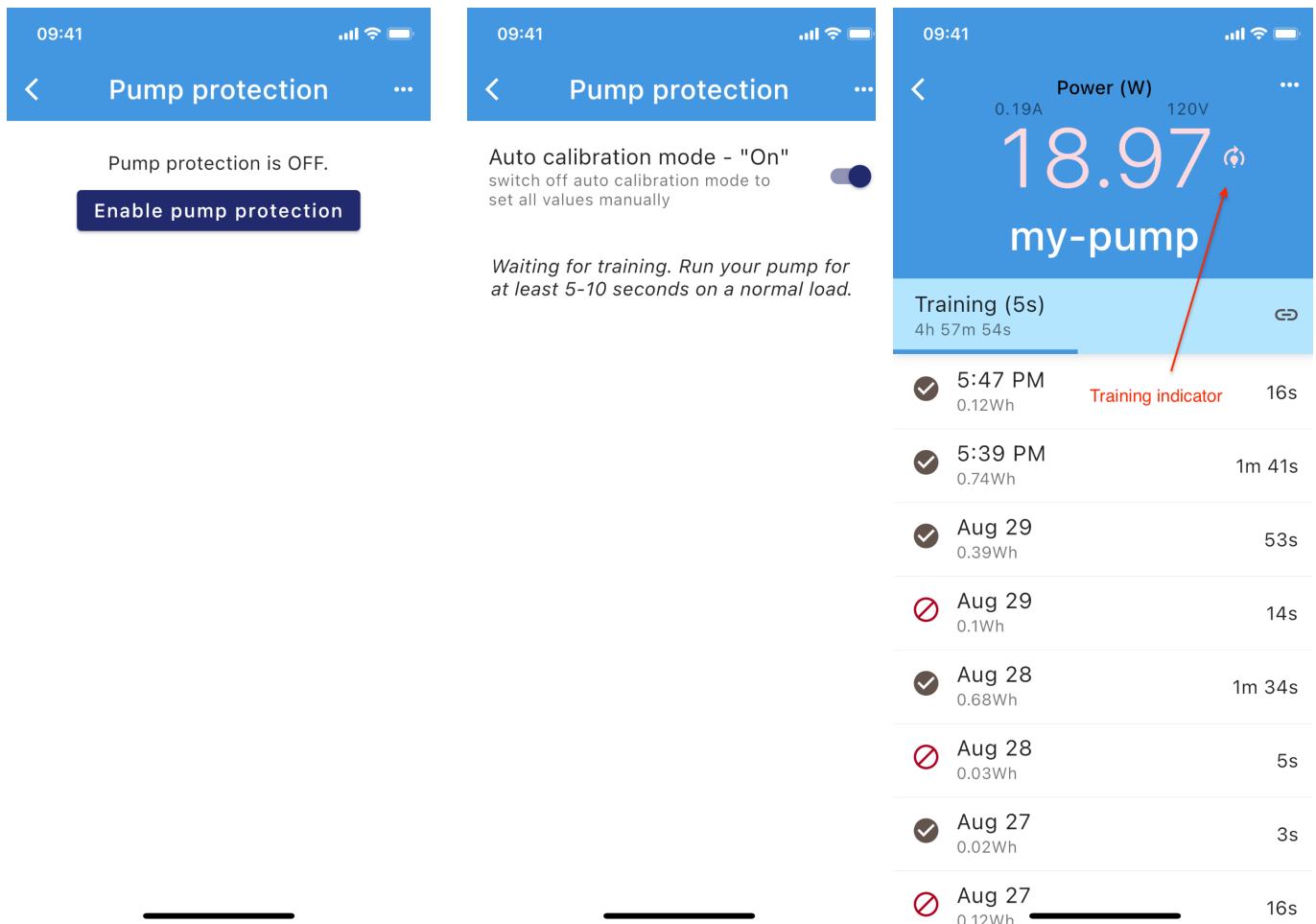
On each chart you can see:

- The time the pump started running
- Duration of the run
- **Mean** - average Power value in Watts
- **SD** - standard deviation or the amount of variation of the values

Protecting your pump

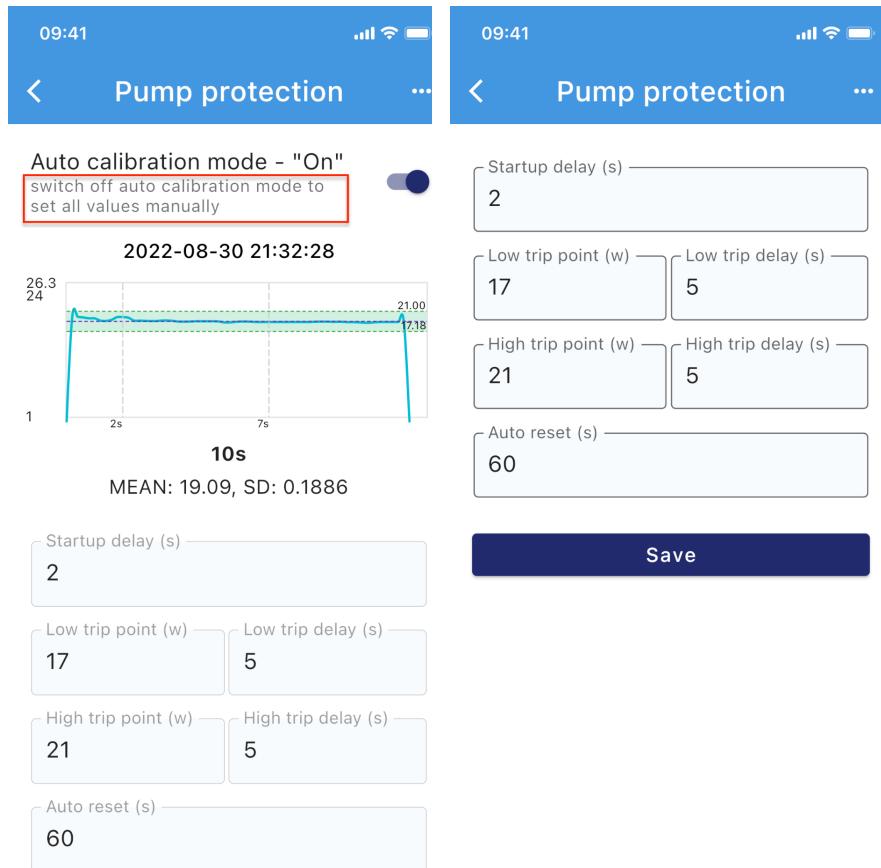
PumpFuse extends the life of your sump pump by sensing unusual load on the pump motor and stopping the pump before an expensive breakdown happens. The PumpFuse device can auto-calibrate on the first run. You can override all the protection parameters manually.

Auto-calibration



Setting trip points manually

If your protection model resulted in the pump being stopped due to triggering of low or high trip point, auto reset will clear the error and enable the pump once again so that you do not have to press the Reset button on the device or via the app. You will still receive the notification alerts on failure even if the auto reset parameter is set.



Startup delay in seconds - To avoid false error triggering we ignore the pump power reading during the startup delay.

Low trip point in watts - To stop the pump on loss of load condition.

Low trip delay in seconds - To avoid nuisance trips from short loss of load.

High trip point in watts - To stop the pump on overload condition.

High trip delay in seconds - To avoid nuisance trips from short overloads.

Auto reset in seconds - If set to "0" the auto reset is disabled.

Specifications

Name	Value
Manufacturer	VisitBasis Tech, LLC
Part Number	PF20220331
Item Weight	280g
Product Dimensions	100 x 68 x 50 mm
Power Source	AC
Voltage	125 Volts
Max load	1HP, 13A max
Sealing	IP64 - dust and water spray
Temperature	14° to 104°F (-10° to 40°C)

Need help?

If you encounter any issues and need help, please contact us at sales@pumpfuse.com.
For more information about PumpFuse, visit us at: <https://www.pumpfuse.com>