

LiveWell Aerator Timer

Configurable via Wi-Fi

V1.0.4



!!! Warning !!!
DO NOT return the item to the original
retailer. Contact the support for any
problem with the item or item delivery.
timersshop@gmail.com

LiveWell aerator timer operates the pump in cycling On-Off mode. The period duration can be set from 1 sec to 16 hours. The pump can be configured to run from 0 to 100 % duty cycle. For example, the timer can be set to operate at 80% duty for the first ten seconds and then switch to a low 25% duty for the next five minutes. Two optional wires can be configured to override the duty from 0 to 100%, allowing the user to override the pump cycle at any point.

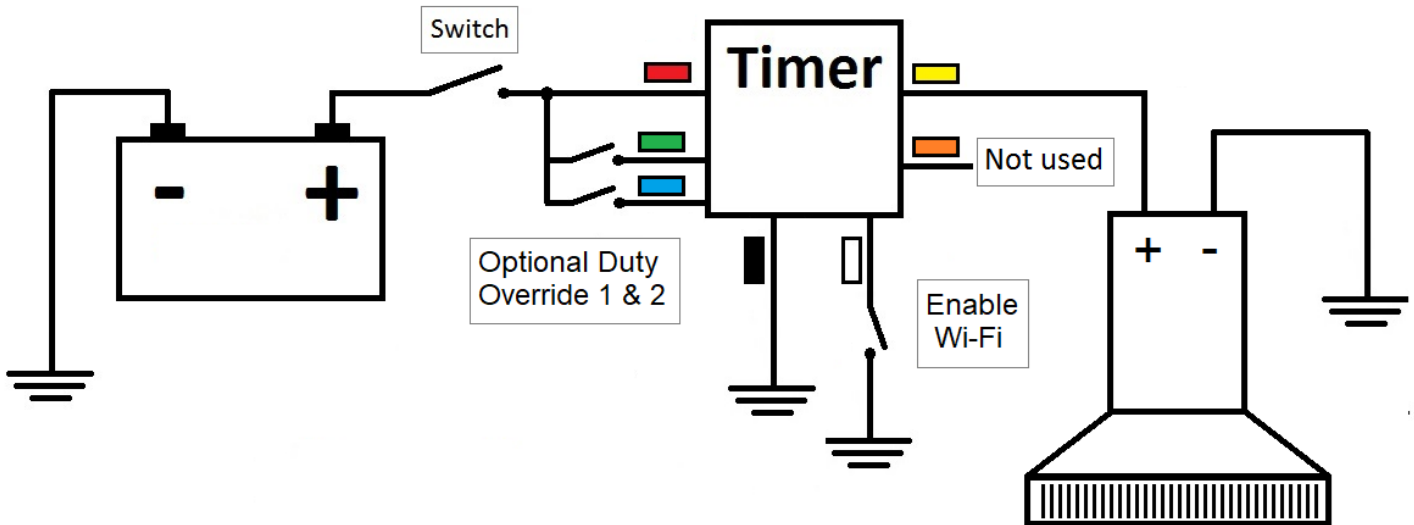
Unit dimensions: 40x35x10mm (1.6x1.4x0.4inch)

Voltage range: 6-18V. Max current 10 amp

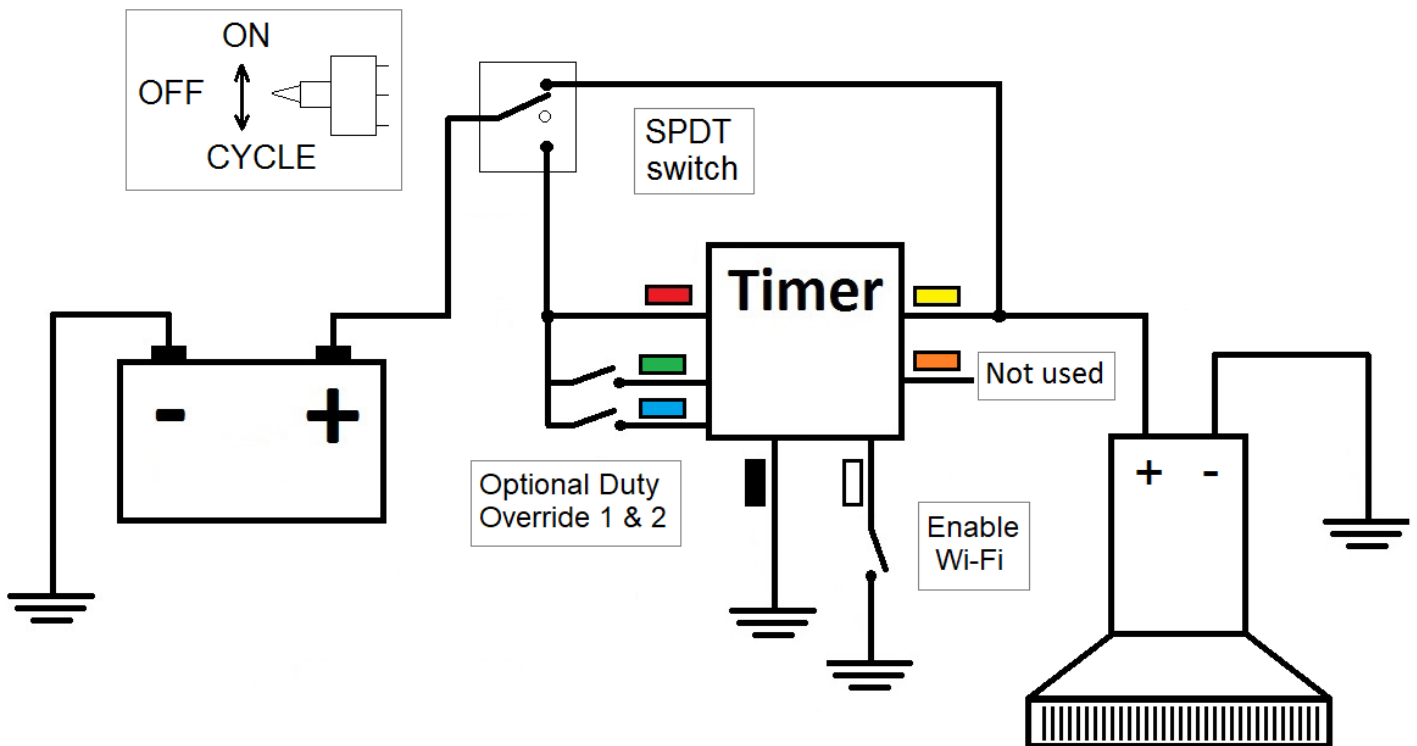
Temperature range: -40C 80C (-40F – 176F)

*** For up to date installation instructions and videos visit <http://bit.ly/timerwifilw>

Standard timer connection with On-Off switch.



Timer connection with 3-position switch to switch between pre-programmed and ON operation.



Connect timer according to the one of the above diagrams:

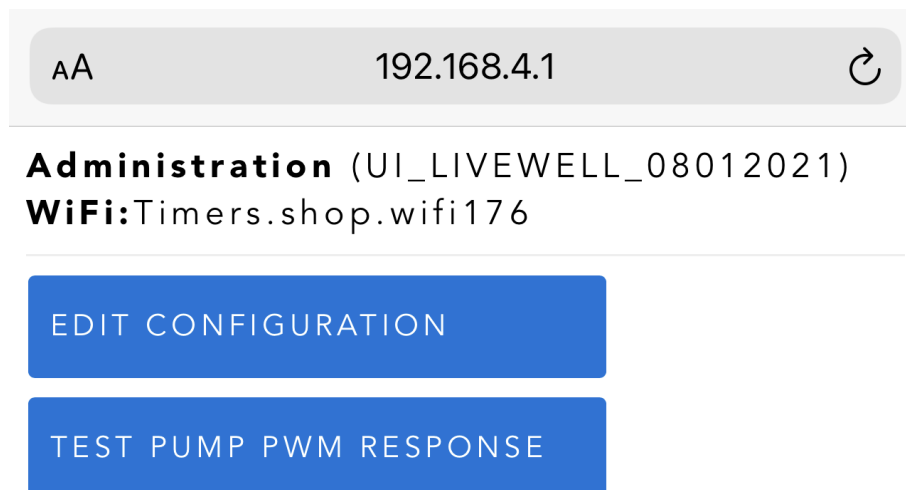
Red	– Power
Black	– Ground
Yellow	– Pump positive
Blue/Green	– Optional duty override switches
White	– Optional Wi-Fi enable button
Orange	– Not used

Timer configuration:

To adjust timer's configurations put the module into the configuration mode by applying power and then connecting the **White** wire to the ground.

Module configuration is done by connecting a computer or a smartphone to the LiveWell timer module via a Wi-Fi network. Follow the steps below:

1. Search for the available Wi-Fi networks on your computer/phone.
2. Connect the computer/phone to the “Timers.shop.wifinnn” wireless network.
3. Open browsers and enter the following into the address bar: **192.168.4.1** and click go or connect.
4. Once connected you will be presented with the following menu:



5. Click on EDIT CONFIGURATION and make necessary changes to the timer's configuration.

LiveWell Settings

Firmware: LiveWell V1.01
Checksum: 248214
Bootloader: V1.0.11 HW5.0

WiFi ID:

Period 1 duration: Sec

Period 2 duration: Sec

Period 3 duration: Sec

Period 4 duration: Sec

Period 1 duty: %

Period 2 duty: %

Period 3 duty: %

Period 4 duty: %

Green wire duty: %

Blue wire duty: %

6. Once necessary changes are done click SAVE. Recycle power to test newly updated configuration.

The configuration consists of four periods executed once after each other. The example above will provide 80% output for 5sec, the 30% for 10sec, 80% for 5sec, 30% for 10sec, and then repeat. If you would like to execute only two periods (for example: 100% for 30sec, 0% for 120sec) then set the period 3 and 4 durations to 0sec.

To test pump response to the specific PWM value click on the TEST PUMP PWM RESPONSE menu and test various duty cycles to ensure the pump runs at the appropriate rate. The pump needs to be submerged into water, as the dry pump response will be different.

Watch configuration video: <https://youtu.be/q1D06FhXeRQ>

Troubleshooting:

- If you lose network connection to network 'Timers.shop.wifinn' try to disable automatic connections to other known networks. Some computers/phones will try to switch the network if the current network does not appear to be connected to the Internet.
- If no menu actions are taken the unit restarts after 5min of inactivity.
- If the module does not produce Wi-Fi ensure the **White** wire is not permanently grounded. It should be momentarily grounded once after the timer is powered on.
- If you run into other issues the Live Chat is available on our main page: <http://timers.shop>

Older manuals:

http://timers.shop/assets/documentation/LivewellAeratorTimerWiFi_V1.0.0.pdf

http://timers.shop/assets/documentation/LivewellAeratorTimerWiFi_V1.0.2.pdf