

JacobsParts POWTRIG-D Voltage Decoy Module User Manual

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Parameters:

Automatic switching voltage, 5-20V, maximum 100W can be detected automatically Support 20V 5A 100w with E-Marker

Support PD3.0, PD2.0, QC, FCP, AFC voltage decoy output, free mode switching, or set to support only PD

Support 5V/9V/12V/20V decoy output (specific range is related to power supply) With key lock function, to prevent misoperation (to avoid damaging load equipment by setting voltage wrongly)

5V/9V/12V/20V fast setting, LED indication output.

Save the parameter braking, power on again and perform the last deception setting.

Ultra low power consumption, high current, supporting 100W output.

The maximum output is 20V5A (the actual value depends on your power supply).

Support the selection of automatic polling to the highest voltage and keep it, automatic polling to the highest voltage and then keep it to 5V, infinite cycle and other test functions.

The test jump time is adjustable.

Suitable for aging test, the module can withstand voltage above 30V.

be careful:

1. The decoy needs to be used with the charging head or charging bank with QC or PD fast charging. If you are not sure whether your charging head supports it, please check and confirm the model of the charging head.
The output voltage will also be marked on the charging head.
Please determine whether you have the voltage you need
2. Whether the module is equipped with E-mark depends on the actual requirements. The power without E-mark can only support 60W. It needs to output more power and E-mark support. If the type-c female input is to trick 5A, the line must support E-mark. The type-c male input module comes with an analog E-mark.
3. The module currently supports 5V/12V/15/20V output.

Instructions:

PD ONLY short circuit contact: the module only supports PD protocol after short circuit.

DM and DP short circuit contacts: DM and DP can be input from USB after short circuit. Short circuit is not recommended unless required.

5 independent key interfaces: 5 independent keys can be connected to quickly switch voltage, which can be short press, long press or short circuit. The upper ends in the figure are all grounded contacts, which are connected together on the circuit.

S1 short contact: it is set for the key lock. After the short circuit, the switching voltage needs to be unlocked. The unlocking method is to press the key to power on, and to power on again, it needs to be unlocked again.

F1 short circuit: power on to automatically poll the highest voltage and then maintain it to 5V. And the LED will display the corresponding supported voltage, and the LED lights corresponding to the supported voltage will be all on, otherwise it will flash.

F2 short circuit: short circuit with F1, but maintain the highest voltage supported by output after polling.

F1 and F2 are shorted at the same time: it is an infinite loop test. The voltage will switch from low to high cycle output.

The default polling and jump time is 0.5 seconds, which can be modified according to the following red ink method.

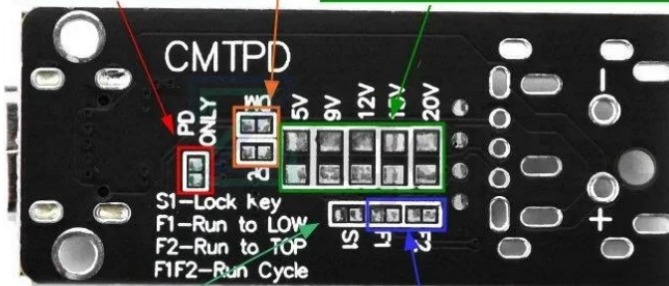
Setting of polling or voltage jump time when F1 and F2 are short circuited: press and hold the key without powering on, then the first LED light will flash. If you release the key, it is unlocked. Otherwise, continue to press and hold until all LEDs flash, then release the key to enter the time setting, and the switching time is reset to 0.5 seconds. At this time, 0.5 seconds will be added for each time you press the key, and the LED will display the corresponding time in binary mode (you can count how many times you have added the time if you are unfamiliar with binary), up to 30 times (the corresponding maximum time is 15.5 seconds, and the LED light is all on).

If the key is not pressed within 3 seconds, the time setting will automatically pop up and the setting value will be saved, and the LED will flash in full light to remind

Shorting DM and DP can be output from USB and is not recommended

Only the PD protocol is used after the short connection

Can be connected to 5 independent button to quickly switch voltage can be short press and long press

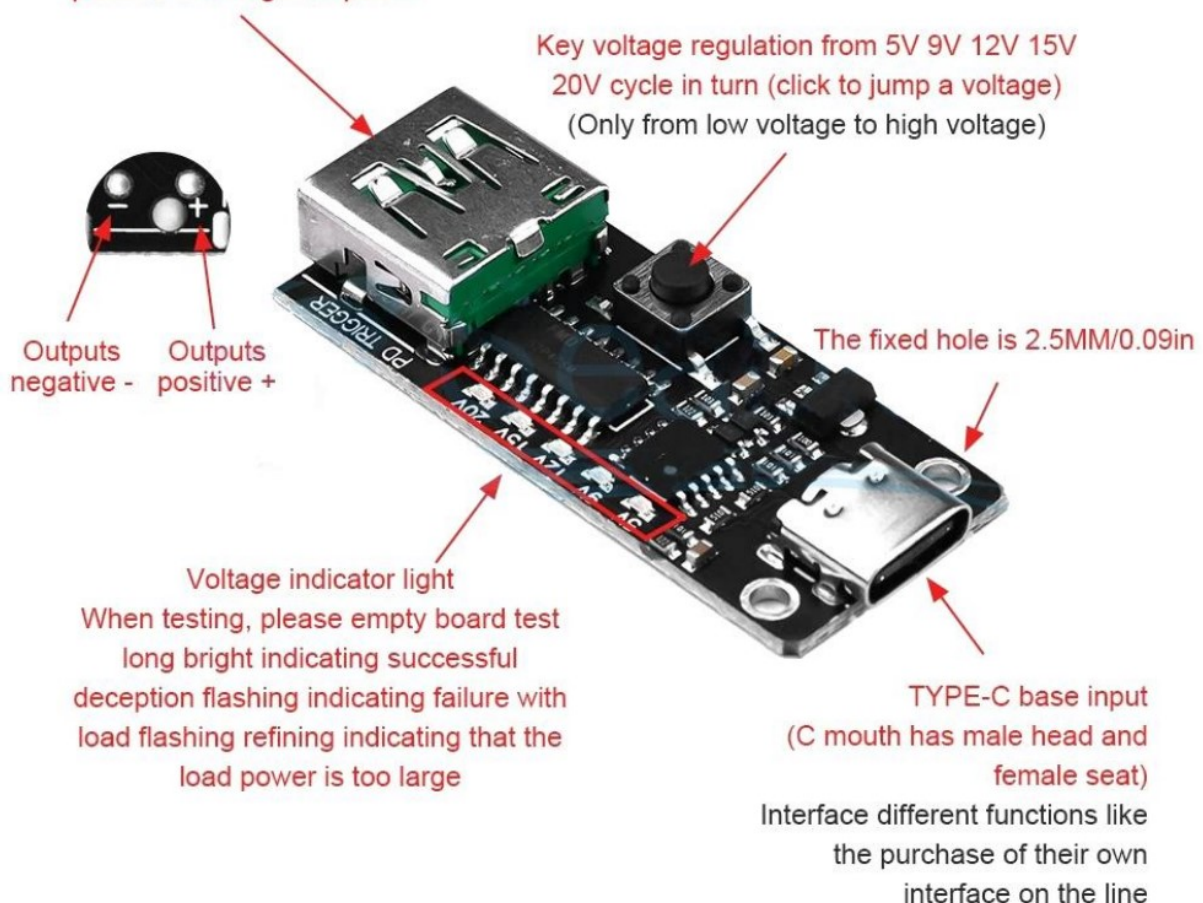


S1 is the key lock setting 1 after the short connection, the switching voltage should be unlocked, and the unlocking method is to press and power on the key

F1 shorting: Power on automatically polls to the highest voltage and then holds to 5V, and the LED will show the corresponding supported voltage. F2 shorted: shorted to F1 but maintained at the highest supported voltage. F1F2 simultaneously shorted: for infinite loop test.

(There are multiple output interfaces to choose from)

USB output voltage of positive and negative poles



1 Documents / Resources

1.1 References

[illegible]

- User Manual

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