

PP3K/PP4K product description



PP3K

PP3K parameter

power supply: 3.3-30VDC (V+ connect to positive pole of power supply, V- connected to negative pole of power supply)
Working current: 40mA
power waste: 0.5W
Display value range: 00.0~100 adjustable, Represents minimum duty cycle to maximum duty cycle
PWM output duty cycle range: 0.1-100% adjustable
PWM output frequency: 1KHz-99KHz adjustable
PWM output amplitude: The output internal resistance of PWM is 1 KΩ,If the PWM signal input resistance is also 1KΩ,After divided by two resistors, the PWM amplitude is half of the supply voltage.
Slow start time: 0.0-9.9 S
Delay stop time: 0.0-9.9 S
Step size: 0.1-25
Input anti reverse protection: yes
PWM output short circuit protection: yes
size: 79*43*26mm
weight: about 62g (including packaging)
Packaging form: paper packaging

PP3K Setting method

Press the knob for 8 seconds to enter the setting interface automatically;
Short press to switch the parameter type;Rotate to select the value of the parameter;
Press and hold for 2 seconds to exit the setting interface automatically.

PP3K Setting interface



PON



POF

PON: power on default direct output POF: power on default output is off
Factory default ON



L00-L49 : Minimum output setting 00% - 49%,
the factory default parameter is 00



H100-H50 : Maximum output setting 100% - 50%,
the factory default parameter is 100



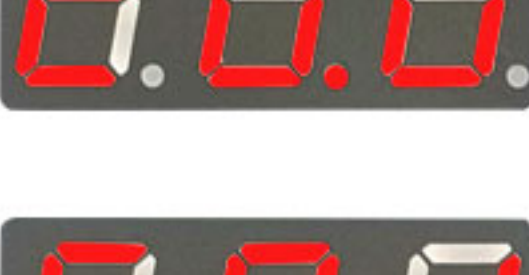
F01-F99 : PWM frequency setting interface,
1Khz-99khz,
the factory default parameter is 20kHz



00.0-09.9 : Slow start to 100% speed (brightness)
time 0.0-9.9 seconds adjustable,
the factory default parameter is 0 seconds



C0.0-C9.9 : The slow stop to 0% speed (brightness)
time is 0.0-9.9 seconds adjustable,
the factory default parameter is 0 seconds



T0.1-T25 : adjust the value step size 0.1-1.0,1-25
adjustable
Factory default 1



PP4K

PP4K parameter

power supply: 3.3-30VDC(V + is connected to the positive pole of power supply and V - is connected to the negative pole of power supply)
Working current: 25mA
power waste: 0.3W
Display value range: The first line display frequency is adjustable from 1Hz to 150kHz;The second line is adjustable from 00.0 to 100, representing minimum duty cycle to maximum duty cycle.
PWM output duty cycle range: 1-100% adjustable
PWM output frequency: 1Hz-150KHz adjustable, such as 800, no decimal point for 800Hz, 20.0 with one decimal point for 20KHz, 1.5.0 with two decimal points for 150KHz.
PWM Output amplitude: The amplitude of PWM without load is about equal to the supply voltage,PWM output internal resistance 1KΩ,If the PWM signal input resistance is also 1KΩ, After divided by two resistors, the PWM amplitude is half of the supply voltage.
Slow start time: 0-999S
Delay stop time: 0-999S
Input anti reverse protection: yes
PWM output short circuit protection: yes
size: 79*43*26mm
weight: about 65g (including package)
Packaging form: paper packaging

PP4K Setting method

Knob left or right: adjust the value; Knob down: short press to turn PWM output on or off,press and hold for 2 seconds to automatically;switch and adjust the frequency or duty cycle,long press for more than 8 seconds to enter the setting interface automatically.

PP4K Setting interface

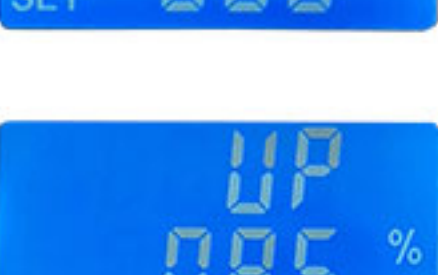


OPEN ON/OFF

ON: Indicates the default direct output of power ON;

OFF: Indicates that the power on default output is off.

Factory default ON.



DN 00-50 : Minimum output set 00% - 50%,
The factory default parameter is 00.



UP100-60: Maximum output setting 100% - 60%,
The factory default parameter is 100.



ON 0-999S: Slow start to 100% speed (brightness)
time 0-999 seconds adjustable, factory
default value 0 seconds.



OFF 0-999S: Slow stop to 0% speed (brightness)
time 0-999 seconds adjustable, factory
default value 0 seconds



STOP ON/OFF: When the external switch function is turned on,

the output can be turned on or off by controlling the ON / OFF

terminal at the back. The output is always closed and the output

is turned off when it is released. When on is selected, the knob

will not be able to control the output ON or OFF.



0-10V ON/OFF: The 0-10V control function can be turned

on or off, and 0-100% can be output by inputting 0-10V

analog signal. When ON is selected, the knob cannot adjust

the duty cycle.

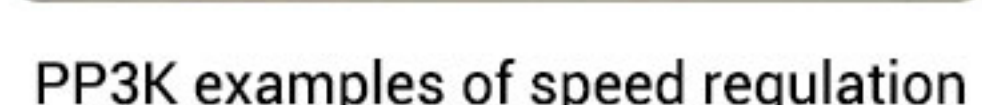
Product comparison

Comparison table of PP3K and PP4K		
Model	PP3K	PP4K
Picture		
Monitor	Digital tube	LCD liquid crystal
Show rows	1	2
Controllable out-put switch	Yes	Yes
Power ON/ OFF can be set	Yes	Yes
Minimum setting	00%-49%	00%-50%
Maximum setting	100%-50%	100%-60%
Slow start time	0.0-9.9S	0-999S
Delay stop time	0.0-9.9S	0-999S
Step size	0.1-25	1
Frequency range	1KHz-99KHz Adjustable	1Hz-150KHz Adjustable
External switch	NO	Yes
0-10V control	NO	Yes
Serial comm-unication	NO	Yes

Application examples

PP3K/PP4K+SMG,support customization.

It can realize the speed and dimming of 12-75v 30A equipment, and can be used as the speed and dimming controller.



PP3K examples of speed regulation



PP3K dimming examples



PP4K examples of speed regulation



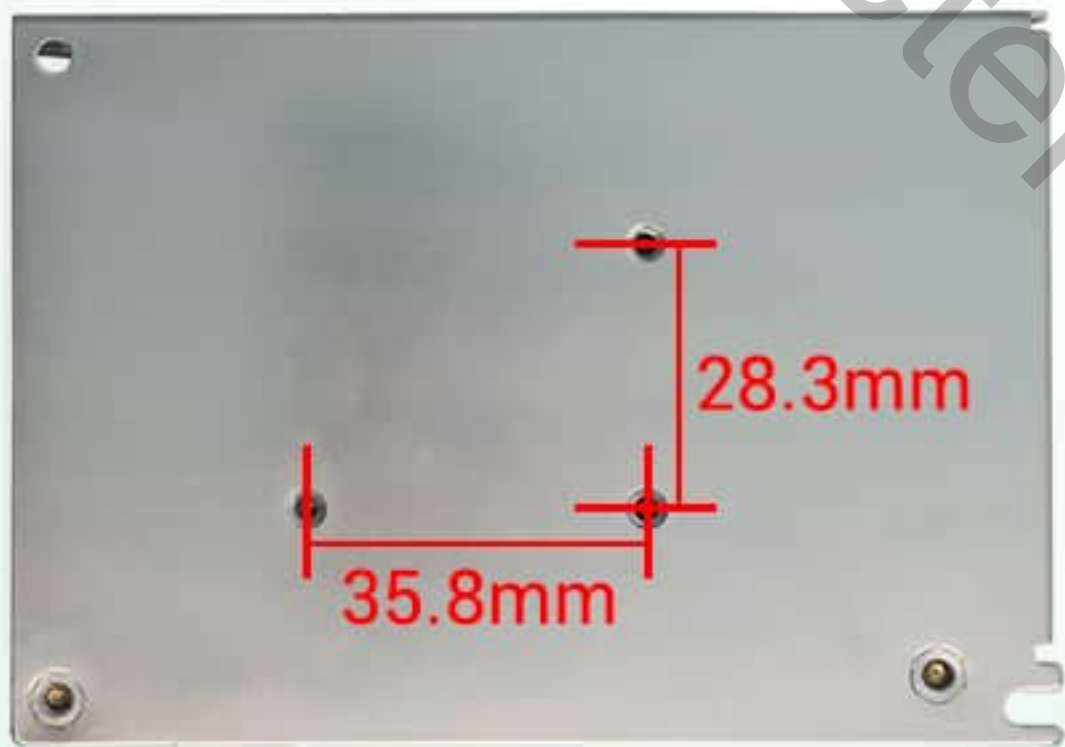
PP4K dimming examples

Parameters

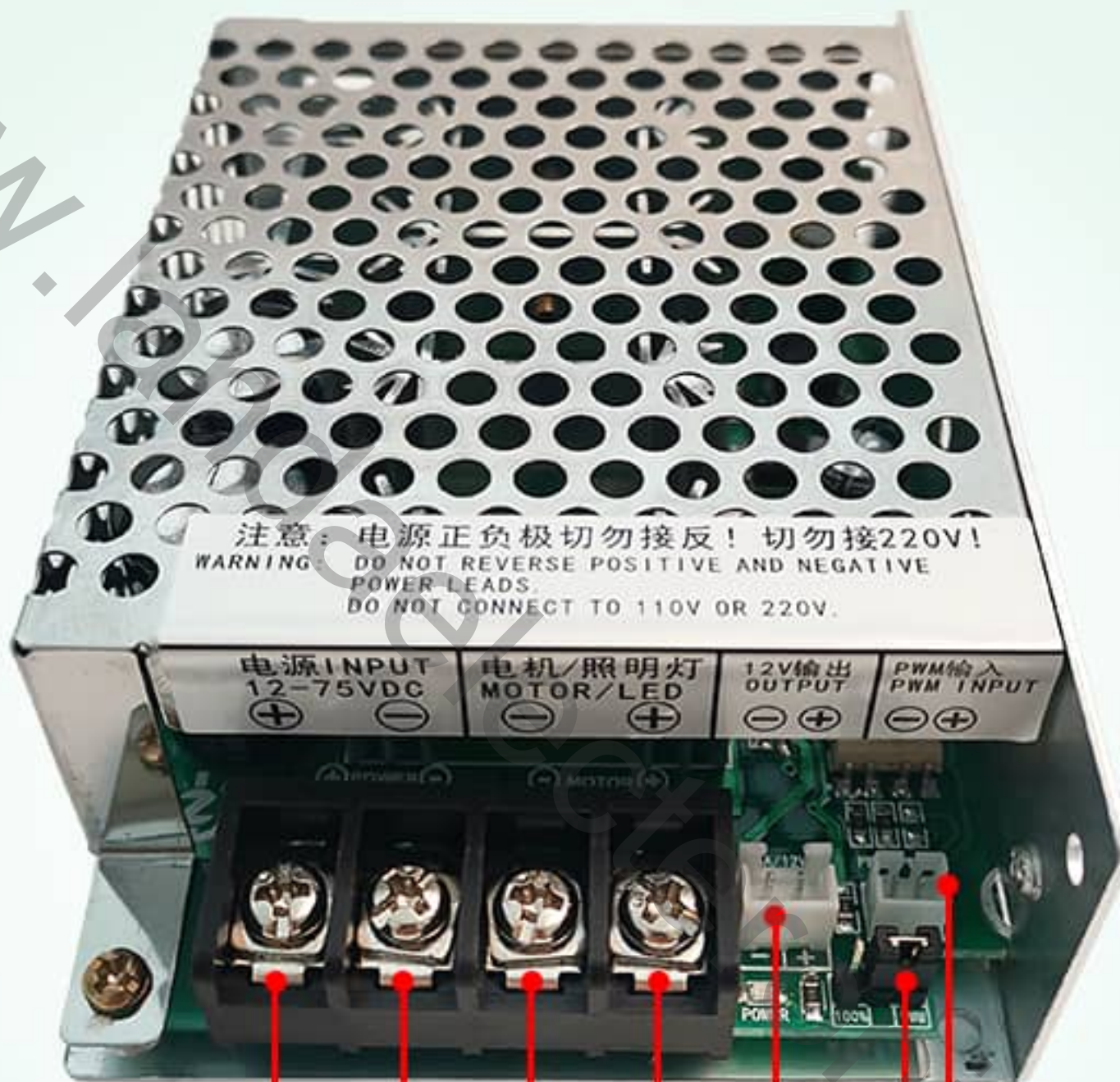


- Power supply voltage: DC power supply 12-75VDC, can not be connected to AC, is strictly prohibited to connect to 110VAC / 220VAC, is strictly prohibited to connect the positive and negative poles of the input end.
- Output current: within 30a, maximum peak current 40A
- Static working current: 6mA
- 12V output voltage: maximum support 0.4A output, convenient for power supply to the controller, with power indicator.
- Signal input: support PWM amplitude 5-24V, frequency up to 100kHz, support 0-100% duty cycle.
- Input anti reverse protection: None
- Output short circuit protection: None
- Size: 110 * 78 * 36mm
- Weight: About 180g
- Packing form: bubble bag

Product size



Weight: About 180g



Input power supply positive pole

Negative pole of input power supply

Motor / lamp negative

Motor / lamp positive

PWM input

Jumper cap

(used as emergency switch, directly connected to 100% position for forced maximum output)

12V output

LED / Motor Driver Module

High voltage and wide range 12V-75VDC

30A high power

With 12V output



FREE: 2.54 plug length 35cm*1
2.0 plug length 35cm*1