

PSN110V/220V constant current power supply Manual

Brief Introduction

1. Over current, over heating, short-circuit protection.
2. AC 110V/220V voltage input and 24V/36V/48V voltage output technology.
3. Strong constant output current 1A-4A, complete range of specification supplied.
4. 2 control ways: Potentiometer and PLC

Model Specification

PSN 110V

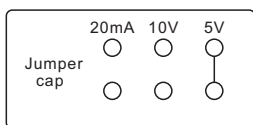
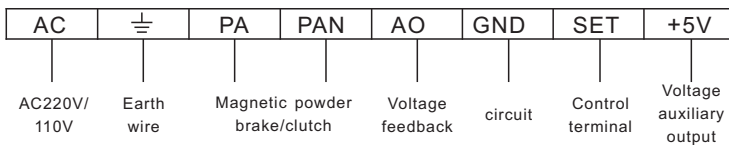
Model	Output Voltage	Maximum Output Power	Maximum Output Current
PSN110V-24V	0-24V	100W	4A
PSN110V-36V	0-36V	100W	3A
PSN110V-48V	0-48V	100W	2A

PSN 220V

Model	Output Voltage	Maximum Output Power	Maximum Output Current
PSN220V-24V	0-24V	100W	4A
PSN220V-36V	0-36V	100W	3A
PSN220V-48V	0-48V	100W	2A

Remark: The output current of constant current power supply is in inverse proportion to the resistance of magnetic powder brake/clutch. The larger the resistance, the smaller Max. Output current of constant current power supply, vice-versa.

Terminal wiring and jumper cap



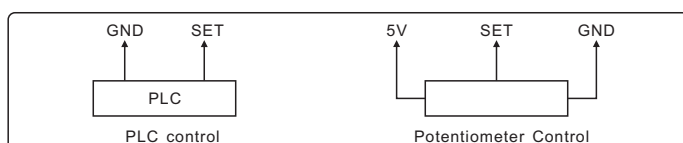
Remark: AO changes along with current. When full scale current output, AO output is 5V

Two Control Mode:

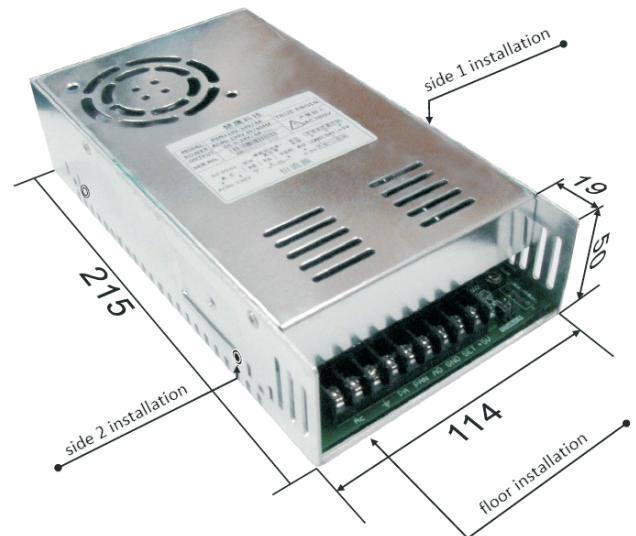
Circumscribed PLC control:

- a. When PLC output is 0-5V, jumper cap is in "5V"
- b. When PLC output is 0-10V, jumper cap is in "10V"
- c. When PLC output is 0-20mA, jumper cap is in "20mA"

Circumscribed potentiometer Control: jumper cap is in "20mA"

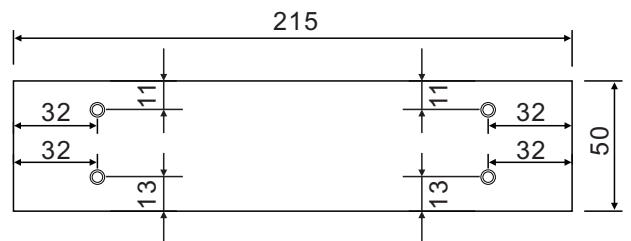


Controller dimension and installation size:

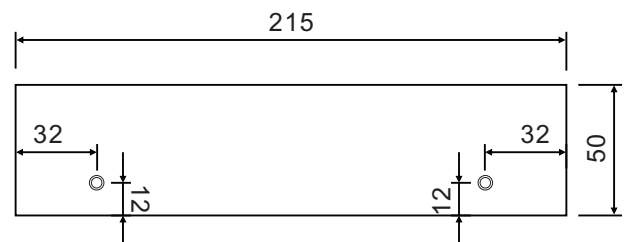


There are 3 installation ways, detailed dimension is as below:

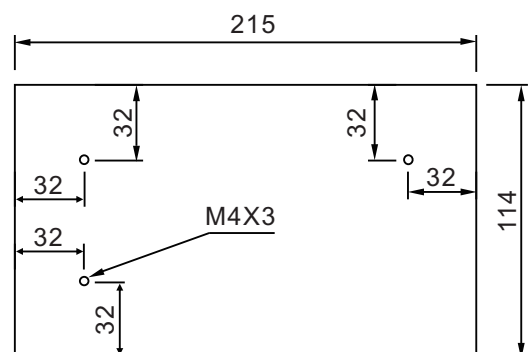
Installation Way 1, Side 1 Installation Size



Installation way 2, Side 2 Installation Size:



Installation Way 3, floor installation:



Remark: Screw inside constant current powersupply mustn't exceed than 2.5mm, avoid PCB connection