

Voltage / Current Protector GPS8-06

Instruction Manual



General

- Applications
 - Overvoltage ,undervoltage and overcurrent protection for household equipment.
- Function Features
 - Voltage / current monitoring and protection.
 - Special metering chips are used to detect voltage, current, electricity, and power.
 - It is possible to control switches, monitor electrical energy, and set timing for opening and closing through WIFI.
 - Double bus wiring design stronger ability.
 - Over / under voltage value and over-current value can be set.
 - Self reset after fault.
 - Digital display voltage, current value, fault status can be displayed by LED.
 - DIN rail mounting.
- Model and connotation
 - GPS8-06
 - Incoming line mode
 - U:upper incoming line
 - D:lower incoming line
 - Design number
 - GPS8 Series

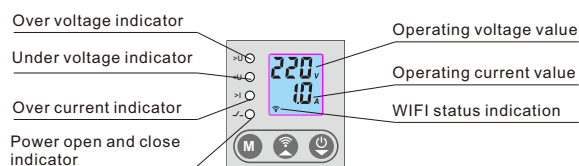
Technical parameters

	GPS8-06
Function	Over voltage, under voltage and over current
Rated supply voltage	AC220V(L-N)
Rated supply frequency	45~65Hz
Operation voltage range	80V~400V(L-N)
Rated operational current	32A,40A,50A,63A,80A (AC1)
Burden	AC max.3VA
Over voltage operation value	OFF,230V~300V
Under voltage operation value	140V~210V,OFF
Over/under voltage action delay	0.1s~10s
Over current operation value	1~32A,40A,50A,63A,80A
Over current action delay	2s~600s
Power-up delay	2s~600s
Reset time	2s~900s
Measurement error	≤1%
Electrical life(AC1)	1×10 ⁴
Mechanical life	1×10 ⁶
Operating temperature	-20°C ~ +60°C
Storage temperature	-35°C ~ +75°C
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Overvoltage cathegory	III.
Pollution degree	2
Dimensions	82×36×68mm
Weight	135g

Parameter setting

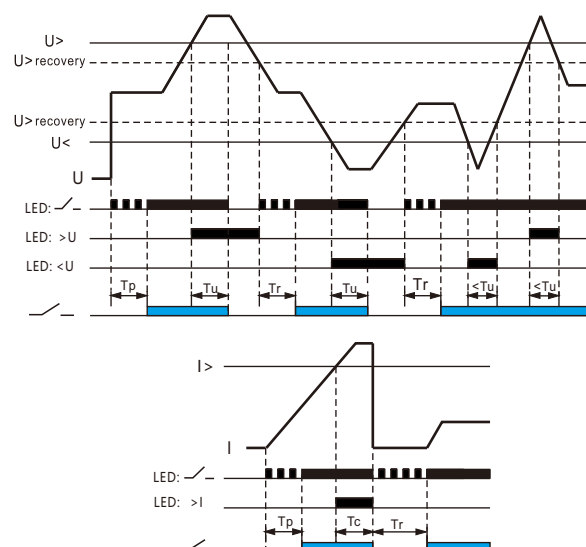
Parameter	Range	Step value	Factory settings
Over voltage value	OFF,230V~300V	1V	275V
Over voltage recovery value	225V~295V	1V	265V
Under voltage value	140V~210V,OFF	1V	175V
Under voltage recovery value	145V~215V	1V	180V
Voltage fault action time	0.1s~10s	0.1s	0.5s
Over current value	OFF,1A~32/40/50/63A	0.1A	32A/40/50/63A
Over current action delay	2s~600s	1s	5s
Power on delay time	2s~600s	1s	5s
Reset time	2s~900s	1s	30s
Fault reset	ON-OFF	—	ON
LCD backlight time	10s~900s,ON	1s	60s

Panel Diagram



(M)	Press and hold the setting key for 3 seconds to enter the setting. After modifying the setting, press and hold for 3 seconds to save the setting.
(+)	1.Used to increase the value when setting parameters. 2.Press and hold for 5 seconds to reconfigure WIFI.
(-)	1.Used to reduce the value when setting parameters. 2.After exiting the setting, it can be used to manually turn on or off the load. 3.If the automatic fault reset function is turned off, this button can be used for manual reset when the fault occurs.

Functions Diagram

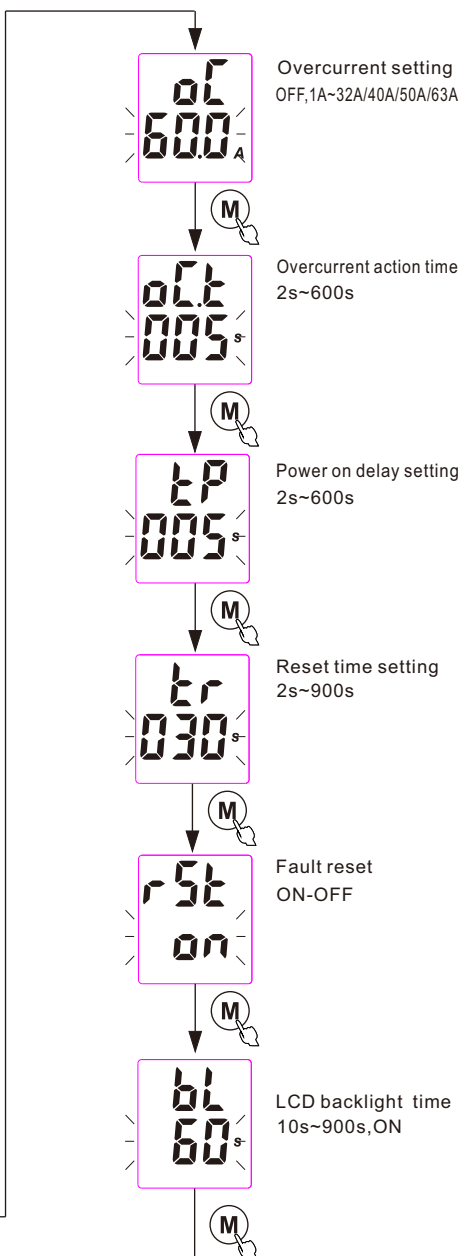
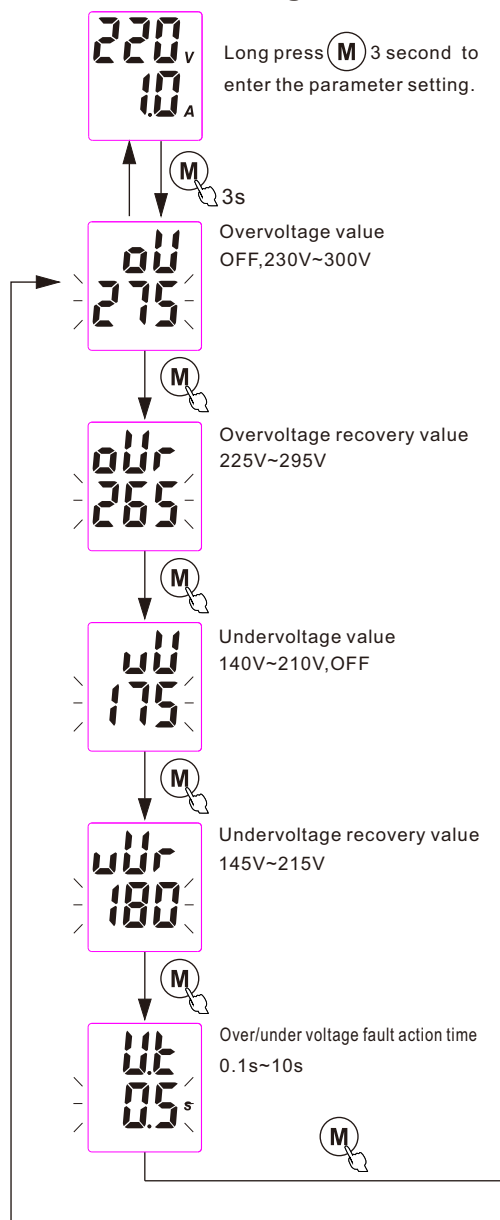


Tp: Power-up delay(2~600s)
Tr: Reset delay time(2~900s)
Tu: Over/under voltage fault action time(0.1~10s)
Tc: Overcurrent fault action time(2~600s)

NOTE:

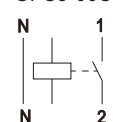
In the power off state, press and hold (+) and (-), and then power on again to restore the factory settings.

Parameter setting

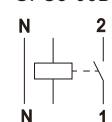


Wiring Diagram

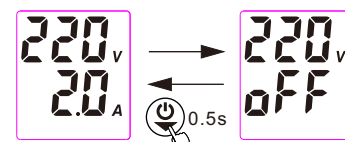
GPS8-06U



GPS8-06D

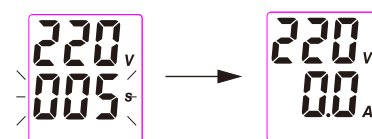


Open and close manually



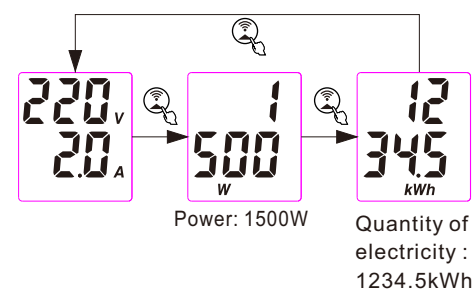
Under normal operation, the load can be switched on or off manually by pressing the power key for 0.5 seconds.

Power-on and reset delay

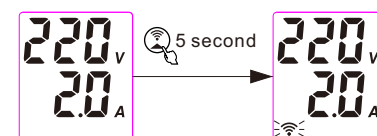


During the power-on and fault reset of the product, the product will count down and display according to the set delay time, and will enter the running state when the countdown ends.

Query electricity and power



WIFI configuration



There is a QR code on the side of the product. Please scan, download, and install it. Press and hold for 5 seconds before entering the WIFI configuration state. At this time, the WIFI indicator flashes. Please open the app and press the prompt to configure. When the WIFI indicator is always on, it indicates that the WIFI signal is good. When the WIFI indicator flashes, it indicates waiting for WIFI configuration. When the WIFI indicator is always off, it indicates that the WIFI cannot be connected.

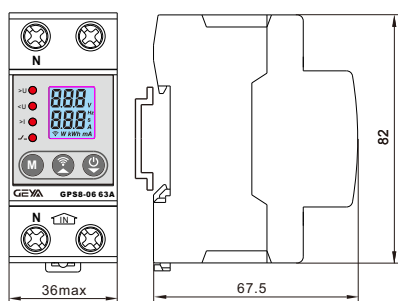
NOTE:

Short press (M) to increase or decrease the value, long press can be quickly set. If 60 seconds does not operate the key, it will exit automatically. You can press the (M) for 3 seconds at any time to exit the and save the setting.



This product does not have isolation function. Please disconnect the superior MCB during maintenance!!!

Dimensions(mm)



Disposal of Electrical Waste
All electrical waste should be disposed of in compliance with current WEEE regulations.



Caution

The products must be installed by qualified electricians. All and any electrical connections of the time relay shall comply with the appropriate safety standards.