Voltage / Current Protector GPS8
Instruction Manual

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General

Applications
-Overvoltage ,undervoltage and overcurrent protection for household equipment.

Function Features
-Voltage / current monitoring and protection.
-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.
-1-MODULE,DIN rail mounting.

Model and connotation

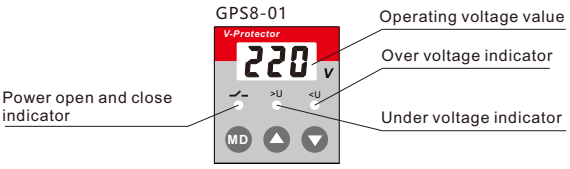
GPS8 – □□

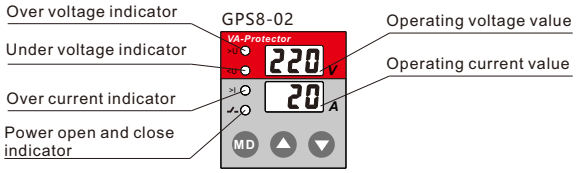
- Incoming line mode
  - U:upper incoming line
  - D:lower incoming line
- Design number
  - 01 : Over and under voltage protection
  - 02 : Over voltage, under voltage and over current protection
- GPS8 Series

Technical parameters

	GPS8-01	GPS8-02
Function	Over and under voltage	Over voltage, under voltage and over current
Rated supply voltage	AC220V	AC220V(L-N)
Rated supply frequency	45~65Hz	
Rated operational current	32A,40A,50A,63A,80A (AC1)	
Burden	AC max.3VA	
Voltage display	√	√
Current display	×	√
Over voltage operation value	230V~300V(factory default: 275V)	
Over voltage action delay	0.5s	
Under voltage operation value	145V~210V(factory default: 175V)	
Under voltage action delay	0.5s	
Over current operation value	———	1~32A,40A,50A,63A,80A
Over current action delay		5s
Power-up delay	2s	
Reset time	2~900s(factory default:30s)	
Measurement error	≤1%	
Electrical life(AC1)	1×10^4	
Mechanical life	1×10^6	
Operating temperature	-20℃ to +55℃ (-4℉ to 131℉)	
Storage temperature	-35℃ to +75℃ (-22℉ to 158℉)	
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	130g	135g

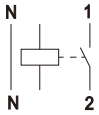
Panel Diagram



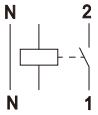


Wiring Diagram

GPS8- U

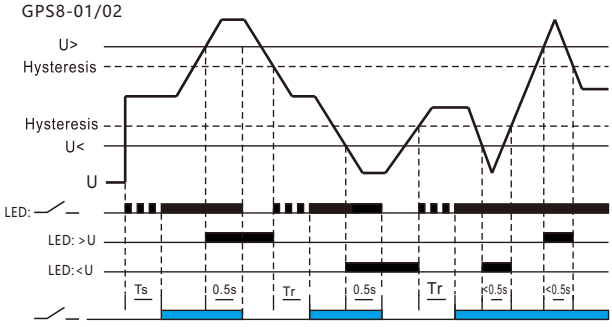


GPS8- D

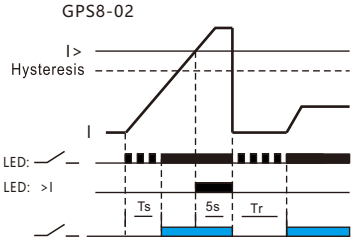


Functions Diagram

GPS8-01/02



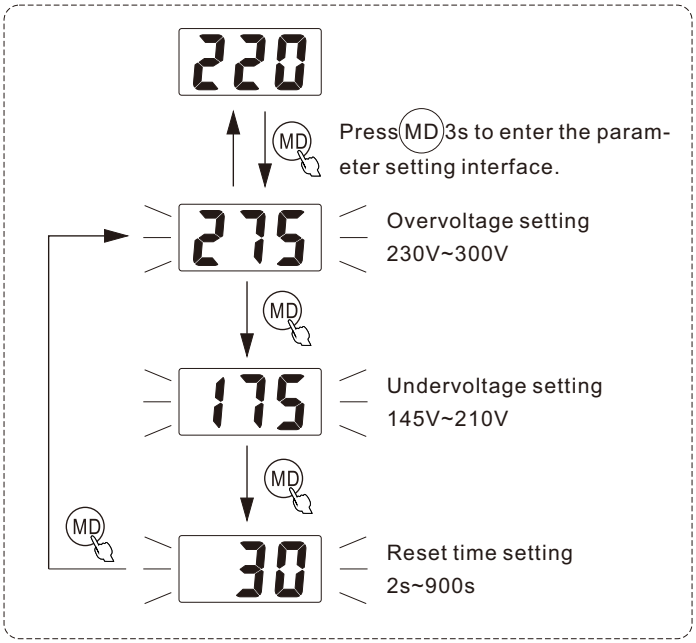
GPS8-02



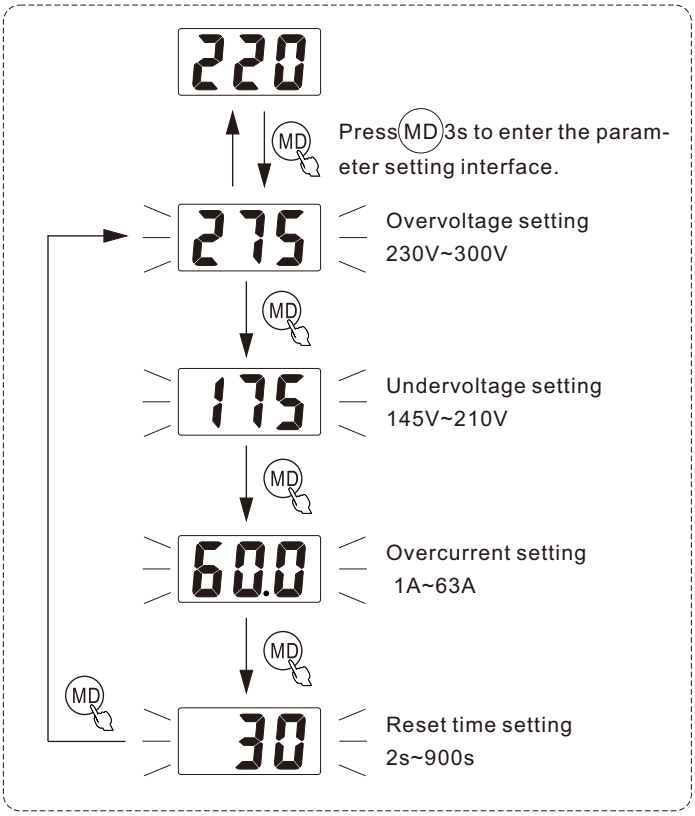
Ts: Power-up delay(2s)
Tr: Reset delay time(2~900s)

Parameter setting

GPS8-01



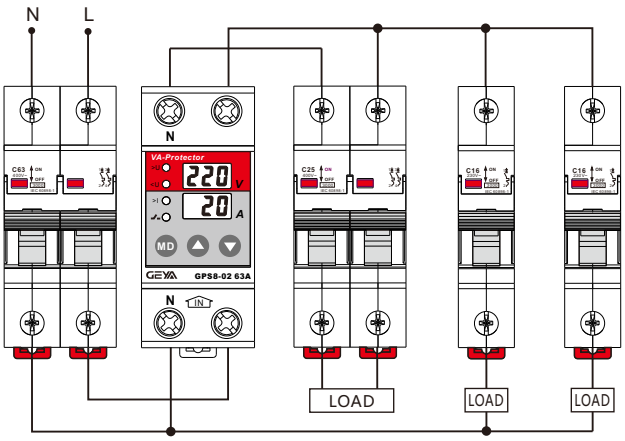
GPS8-02



NOTE:
Short press ▼ ▲ can add and drop parameters, long press can be quickly set.If 60s does not operate the key, it will exit automatically. You can press and hold MD for 3 seconds to exit the setup mode and enter the running mode.

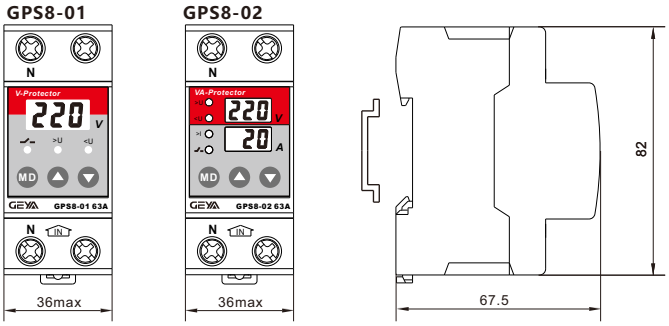
Example

AC220V



Dimensions(mm)

GPS8-01 **GPS8-02**



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.

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