

## General

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

■ Function Features
-Voltage / current (True RMS)monitoring and protection.
-Use true RMS measurement.
-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.

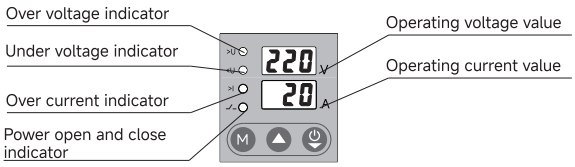
■Model and connotation

GPS8 —02□
- Incoming line mode
  - U:upper incoming line
  - D:lower incoming line
- Design number
- GPS8 Series

## Technical parameters

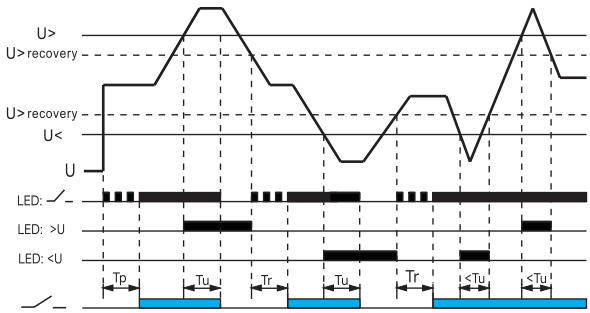
| | GPS8-02 |
|---|---|
| Function | Over voltage, under voltage and over current |
| Rated supply voltage | AC220V(L-N) |
| Rated supply frequency | 45~65Hz |
| Operation voltage range | 80V~400V(L-N) |
| Rated operational current | 32A,40A,50A,63A,80A（AC1） |
| Burden | AC max.3VA |
| Over voltage operation value | OFF,230V~300V |
| Under voltage operation value | 140V~210V,OFF |
| Over/under voltage action delay | 0.1s~10s |
| Over current operation value | 40A |
| Over current action delay | 2s~600s |
| Power-up delay | 2s~600s |
| Reset time | 2s~900s |
| Measurement error | ≤1% |
| Electrical life(AC1) | $1\times10^{4}$ |
| Mechanical life | $1\times10^{6}$ |
| 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 |

## Panel Diagram



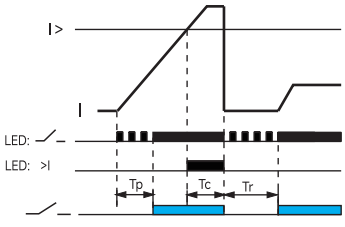

| | |
|---|---|
| Ⓜ | Press and hold the setting key for 3 seconds to enter the setting. After modifying the setting, press and hold for 3 seconds to save the setting. |
| ▲ | Used to increase the value when setting parameters. |
| ⏻ | 1.Used to reduce the value when setting parameters. |
| | 2.After 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



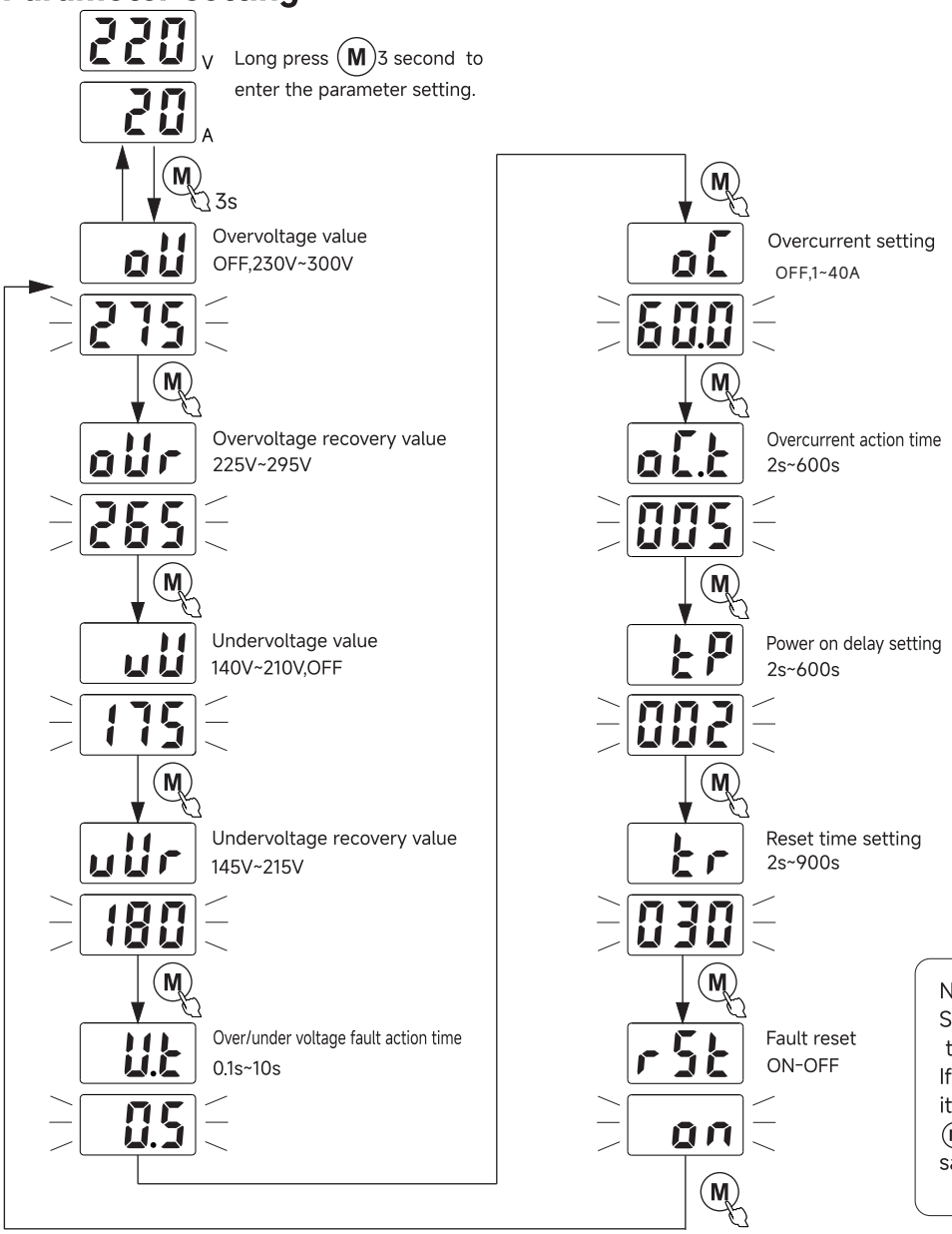

## Parameter setting

| 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,1~40A | 0.1A | 40A |
| 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 |




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)

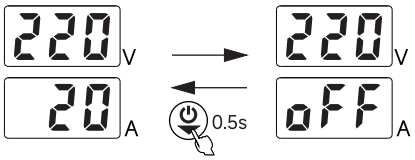
## Parameter setting




## Wiring Diagram

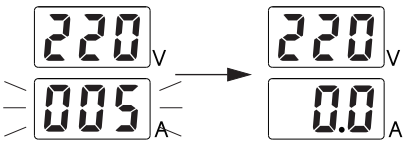



### Open and close manually




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

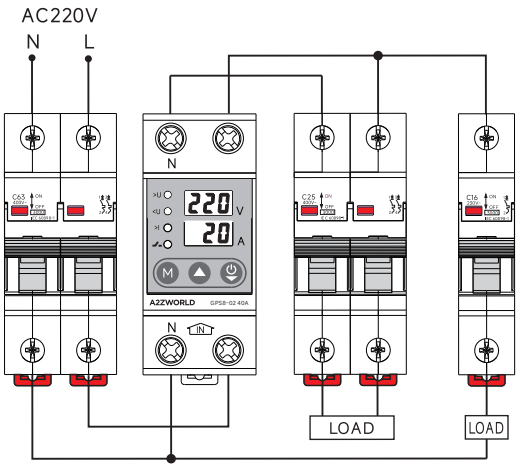
## Power-on and reset delay




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.

NOTE:
Short press ▼ ⏻ 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.

## Example




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

## Dimensions(mm)

