


## Applications

- Overvoltage and undervoltage protection for household equipment.

## Feature

- Supply voltage measurement and protection.
- Double bus wiring design stronger ability.
- Self reset after fault.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

## Model and connotation

PS8 – □ □

- 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
- PS8 Series

## Technical parameters

| | PS8-01 | PS8-02 |
|---|---|---|
| Function | Over and under voltage | 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) | $1\times10^4$ | |
| 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 category | III | |
| Pollution degree | 2 | |
| Dimensions | 82×36×68mm | |
| weight | 135g | |

## Wiring Diagram

PS8-□U



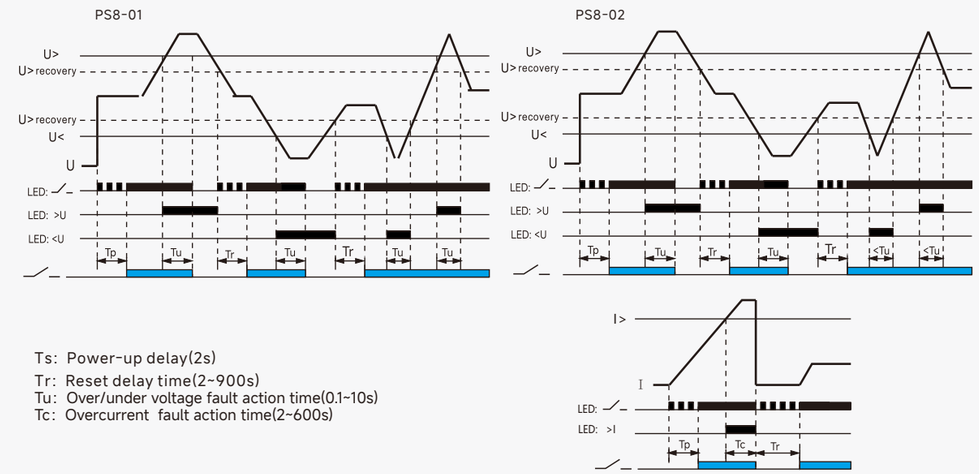

PS8-□D





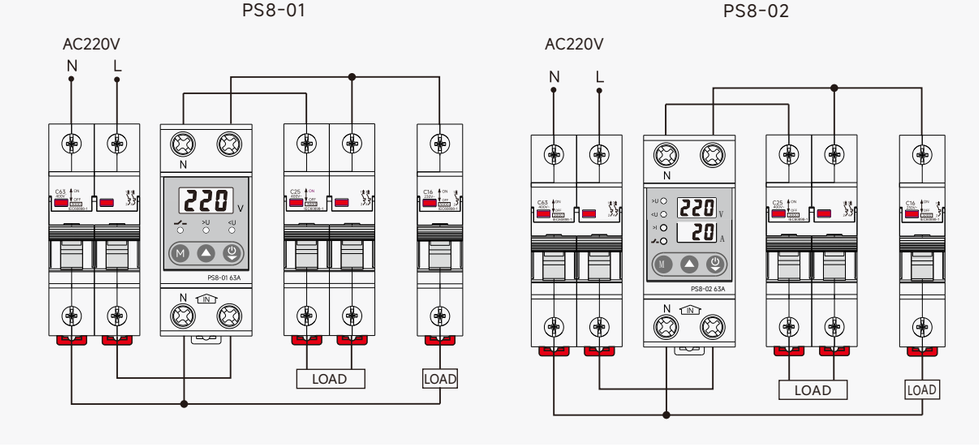



## Functions Diagram




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

## Example




## Dimensions(mm)

