

TOVPD1-100EC 80-300VAC 100A

Top input or bottom input

Functions:

1. Over-voltage protection
2. Under-voltage protection
3. Over-current protection
4. Automatic recovery
5. Voltage display(voltage measurement)
6. Current display (current measurement)
7. Voltage calibration: Voltage $\pm 9.9\%$ adjustable. A13
Current calibration: Current $\pm 9.9\%$ adjustable. A15
8. Restore factory settings: Press the down button for more than 12s
9. Fault inquiry: Press the UP button from more than 12S
10. Continuous over-current faults times: OFF~1~20.A14

Product Parameters:

- 1.Model number: TOVPD1-100EC
- 2.Power supply: 230VAC 50/60Hz
- 3.Max.Loading power: 1~100A Adjustable(default:70A)
- 4.Over-voltage protection value range:80~300V~OFF(default:270V)
Over-voltage recovery voltage range:75~295V(default:265V)
Over-voltage protection action time:0.1~30s(default value:1s)
Over-voltage recovery delay time:1~500s(default:30s)
- 5.Under-voltage protection value range:80~300V~OFF(default:170V)
Under-voltage recovery voltage range:85V~305V(default:175V)
Under-voltage protection action time:0.1s~30s(default:1s)

- Under-voltage recovery delay time: 1s~500s(default:30s)
- 6.Over-current adjustment range:0.1~100A(default:70A)
- Over-current action range:0.1~30 second (default:1s)
- Over-current recovery delay time: 1~500s(default:30s)
- Continuous over-current faults times: 1~20(default:OFF)
- 7.Power-on delay time: 1~500s(default:10s)
- 9.Power consumption : $\leq 2W$
- 10.Electric and machinery life : $\geq 100,000$ times
- 11.Installation: 35mm DIN rail



**Working voltage
Display**



**Working current
Display**



**Over current
protection**



**Under-voltage
protection**



**Over-voltage
protection**



**Automatic
recovery**



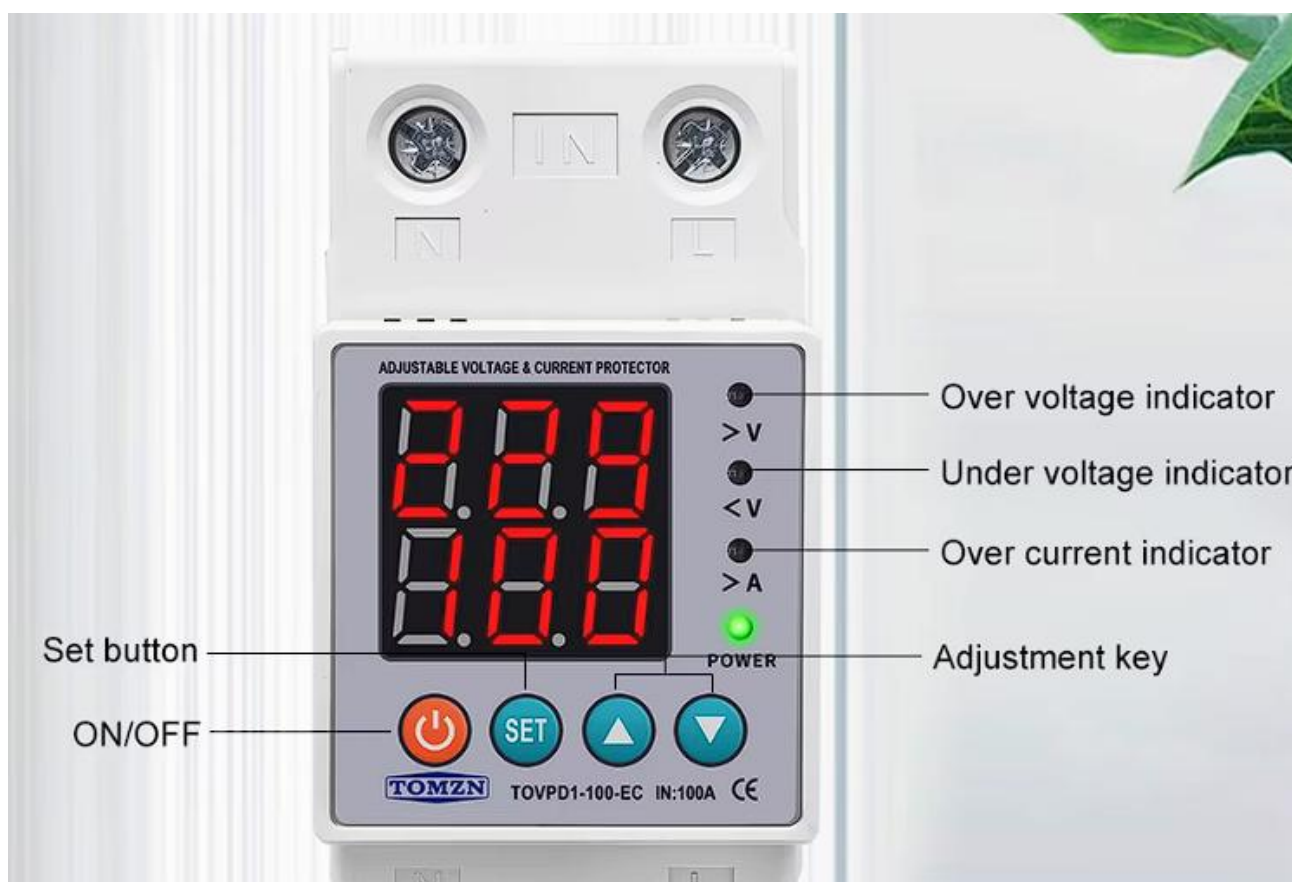
**Restore factory
settings**



**Recovery
time adjust**

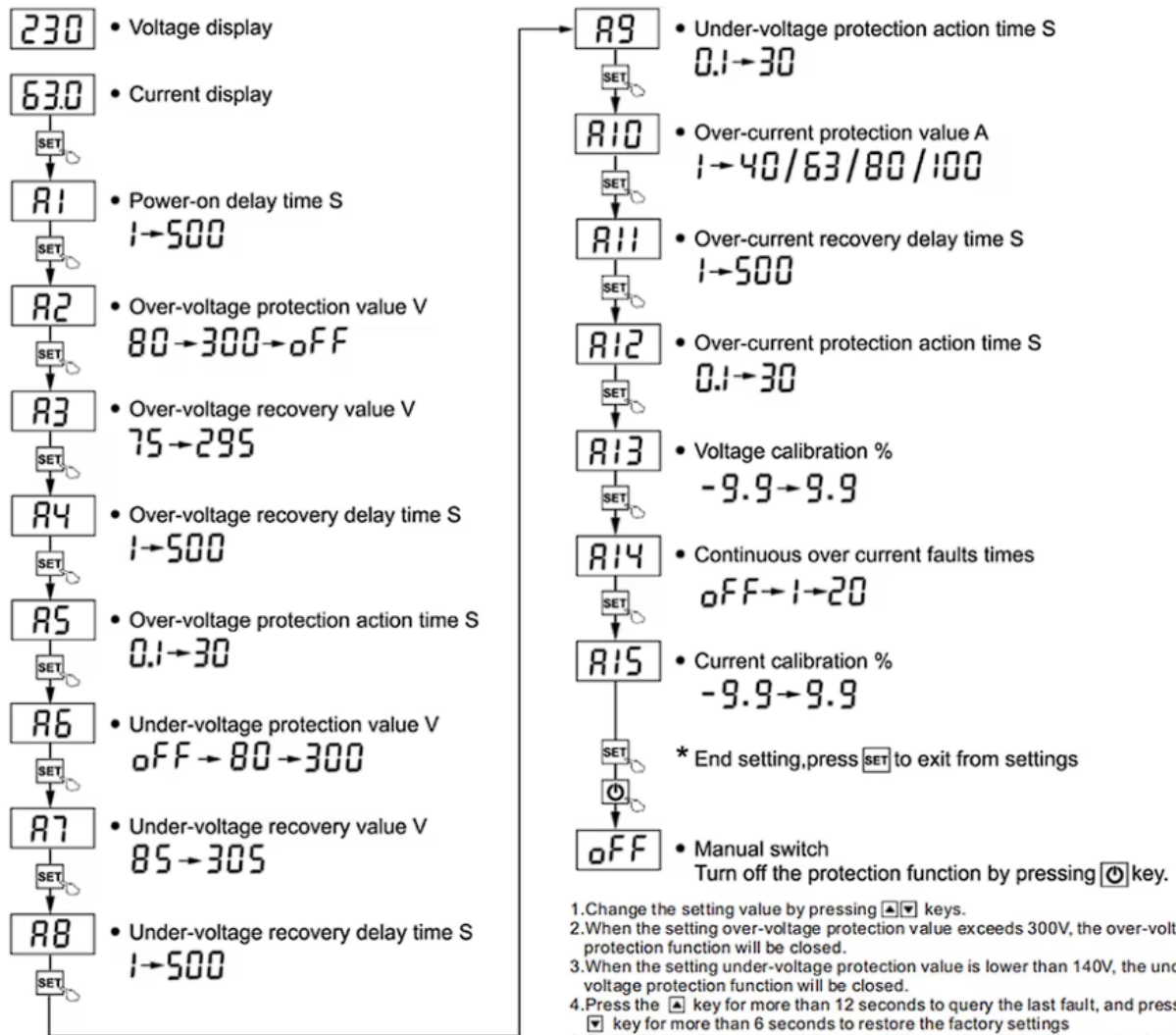


**Fault
inquiry**



Function	Technical Parameter	Function	Technical Parameter
Input voltage	AC80-300V	Power-on delay time	1-500s default 10s
Over-voltage protection value	80-300V default 270V	Over-voltage recovery value	75V-295V default 265V
Under-voltage protection value	80-300V default 170V	Under-voltage recovery value	85-305V default 175V
Over-current protection value	100A: 0.1-100A default 70A	Over-current recovery value	0.1-99.5A
Recovery delay time	1-500s default 30s	Action time	0.1-30s default 1s
Power consumption	≤2W	Electrical and mechanical life	≥100000 cycles
Boundary dimension	97*45*68MM	Wiring	Top input, bottom output.
			Bottom input, top output.





1. Change the setting value by pressing keys.
2. When the setting over-voltage protection value exceeds 300V, the over-voltage protection function will be closed.
3. When the setting under-voltage protection value is lower than 140V, the under-voltage protection function will be closed.
4. Press the key for more than 12 seconds to query the last fault, and press the key for more than 6 seconds to restore the factory settings
5. During the setting process, it is not necessary to press the last step, but long press the SET key to save.