

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 $\pm 10\%$ adjustable. A13
8. Restore factory settings: press the down button for more than 12s
9. Fault inquiry: Press the UP button for more than 12S

Product Parameters:

1. Model number: TOVPD1-60-EC
2. Power supply: 230VAC 50/60Hz
3. Max. Loading power: 1~40A Adjustable (default: 40A)
1~63A Adjustable (default: 63A)
4. Over-voltage protection value range: 230V~300~OFF (default: 270V)
Over-voltage recovery voltage range: 225V--295V (default: 250V)
Over-voltage protection action time: 0.1s~30s (default value: 0.5s)
Over-voltage recovery delay time: 1s~500s (default: 30s)
5. Under-voltage protection value range: 140V--210V --OFF (default: 170V)
Under-voltage recovery voltage range: 145V--215V (default: 190V)
Under-voltage protection action time: 0.1s~30s (default: 0.5s)
Under-voltage recovery delay time: 1s~500s (default: 30s)
6. Over-current adjustment range: 1-40A (default: 20A) 1-63A (default: 40A)
Over-current action range: 0.1~30 second (default: 0.5s)
Over-current recovery delay time: 1s~500s (default: 30s)
7. Power-on delay time: 1s~500s (default: 10s)
9. Power consumption : <2W
10. Electric machinery life : 100,000 times
11. Installation: 35mm DIN rail
10. Installation: 35mm DIN rail

Function selling point

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WORKING VOLTAGE
DISPLAY



OVER-VOLTAGE
PROTECTION



UNDER-VOLTAGE
PROTECTION



CURRENT
DISPLAY

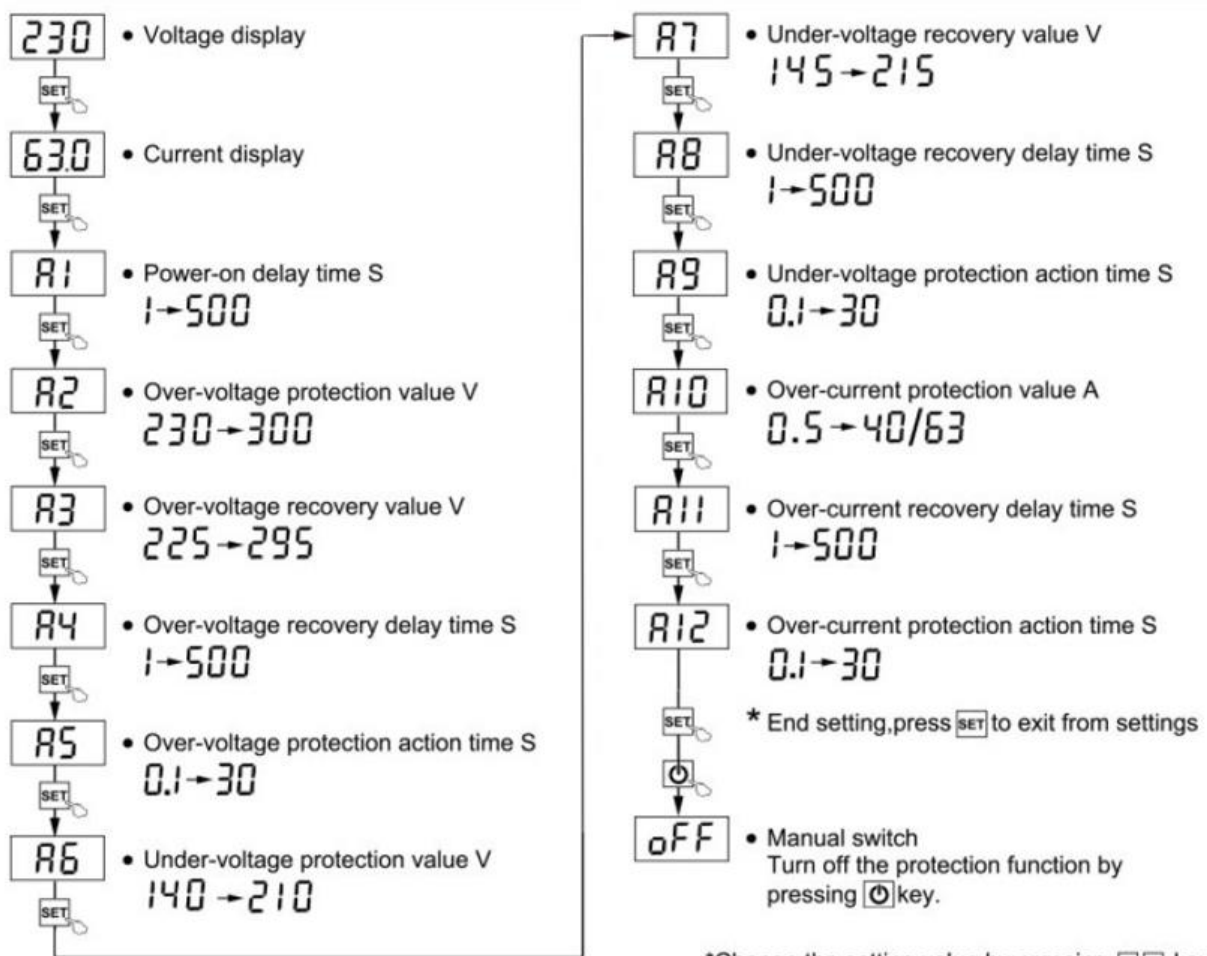


ACTIVE TIME
ADJUSTABLE



AUTOMATIC
RECOVERY

PRODUCT SETTING



*Change the setting value by pressing **▲▼** keys

A13 Voltage adjustable $\pm 9.5\%$

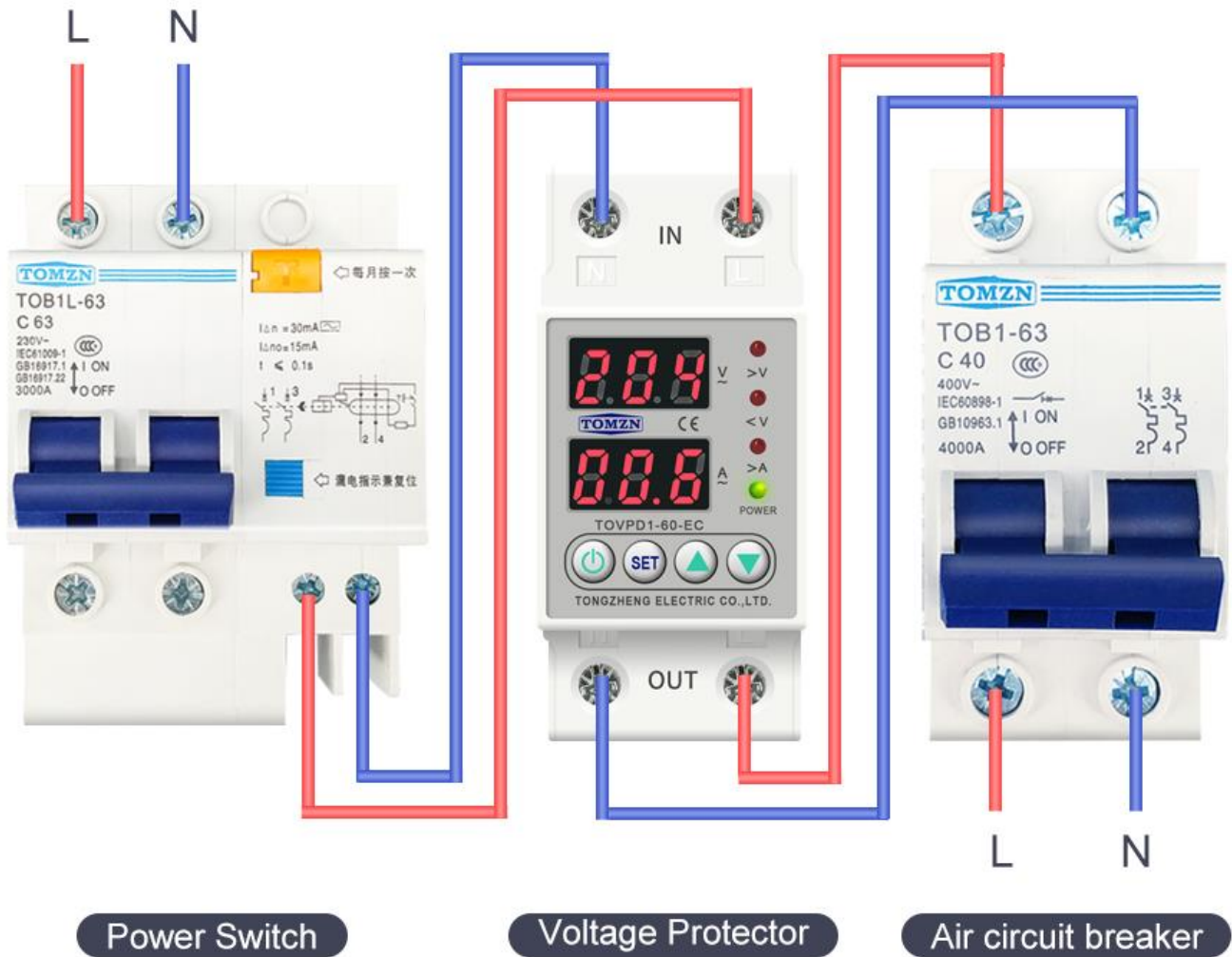
A14 Current limit times: 1-20 times (default off)

Restore factory settings: Press the down button for more than 12s

Fault inquiry: Press the UP button for more than 12s

EASY WIRING DIY BY YOURSELF

When power in input through the L and N, please screw down to penetrate the insulating layer of the power lines



MAIN TECHNICAL PARAMETERS

Function	Technical Parameter	Function	Technical Parameter
Input voltage	AC 140-300v	Power-on delay time	1-500s default 3s
Over-voltage protection value	230-300v default 250V	Over-voltage recovery value	220-295V default 230V
Under-voltage protection value	140-210V default 170V	Under-voltage recovery value	175-215V default 210V
Over-current protection value	40A:0.5-40A default 20A	Over-current recovery value	0-39.5A
	63A:0.5-63A default 40A		0-62.5A
Recovery delay time	1-500s default 30s	Action time	0.1-30s default 1s
Power consumption	≤2W	Electrical and mechanical life	≥100000cycles
Boundary dimension	86×38×68MM	Wiring	Over-entering down-out

