SAFETY PRECAUTIONS

- 1. The device must be installed by a qualified person,
- Disconnect all power before working on the device. Don't touch any terminal when the power is ON.
- 3. Verify correct terminal connection when wiring.
- 4. Don't dismantle or repair the device whether it operates normally, otherwise no responsibility is assumed by producer and seller.
- Never use the device at the site which can be invaded by corrode gas, strong sunshine light and rain.
- 6. Clean the device with a dry cloth.
- 7. Fail to follow these instructions will result in serious injury or death.

FEATURES

- Microcontroller based
- Double 3 digit display for operating voltage and current value
- Protect electrical device against over/under voltage and overcurrent
- Reset/start delay adjustable(5~600s)
- Parameters setting by keys
- LEDs indication for over/under voltage and over current faults
- 2 Module, DIN Rail mounting

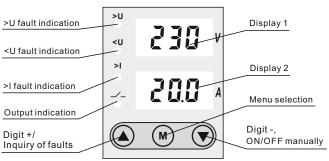
TECHNICAL DATA	
Rated supply voltage	AC 220V
Operation voltage range	AC 100V~400V
Rated frequency	50/60Hz
Overvoltage(U>) setting range	220~280V
Undervoltage(U<) setting range	140~210V
Hysteresis	>U: 5V; <u: 3v<="" td=""></u:>
Reset/start delay	Ton: 5s~600s
Overcurrent faults trip delay range	Ta: 5s~600s
Overvoltage(U>) trip delay	0.5s
Undervoltage(U<) trip delay	≥120V: 0.5s ,<120V: 0.1s
Overcurrent(I>) trip delay	In <ir *<imax:="" *≥imax:="" 1s<="" ir="" ta;="" td="" ≤0.=""></ir>
Voltage measurement accuracy	2%
Rated insulation voltage	400V
Output contact	1NO
Electrical life	10 ⁵
Mechanical life	10 ⁶
Protection degree	IP20
Pollution degree	3
Altitude	≤2000m
Operating temperature	-5°C~40°C
Humidity	≤50% at 40°C (without condensation)
Storage temperature	-25°C~55°C

* Operating current value

Technical parameter	Setting range	Step	Factory setting
Overvoltage trip value	220V~280V	1V	250V
Undervoltage trip value	140V~210V	1V	170V
Reset/start delay	5s~600s	1s	5s
Overcurrent faults trip delay	5s~600s	1s	90s

Current specification	32A	63A
Rated operation current(A)	1A-32A	5A-63A
Maximum operating current Imax (A, within 10min)	40	80
Max. power of load(kW)	7	13.9

FRONT-FACE PANEL

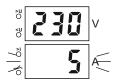


EVP-71R

VOLTAGE AND CURRENT PROTECTOR

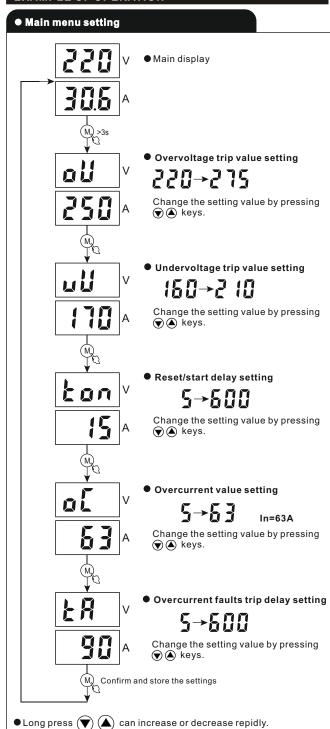
Please read complete instructions prior to installation and operation of the device.

● Reset/start delay display



 Operating voltage will be displayed on display 1 and delay time on display 2 during the counting of start delay; they will be normally ON after the delay is over and the output relay closes.

EXAMPLE OF OPERATION

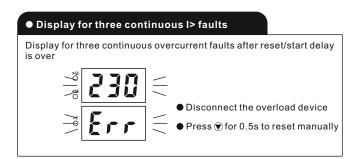


• The relay will automatically exit from the menu and not save the

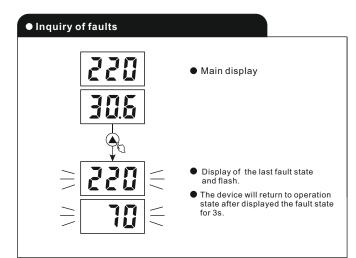
modified value if not pressing the keys for continuous 60s during

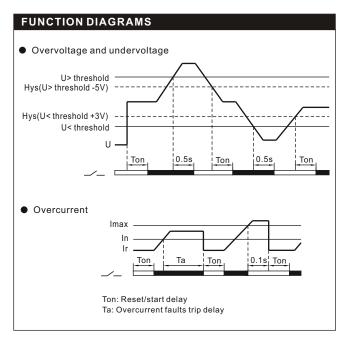
setting.

• Stop/start manually • Main display • Stop/start manually Press ● for 0.5s when operating normally, aff appears, and the output relay opens Press ● for 0.5s again to enter ON(auto-running) mode



>0.59

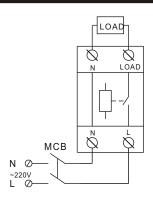




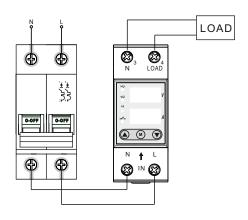
OPERATING INSTRUCTIONS

- If a voltage fault was detected when the reset/start delay of relay is counting, the output relay opens and faults indication LED light up.
- The operating voltage and current values will be displayed on screen when the relay is operating normally. If a voltage or current fault was detected, the output relay opens and fault indication LEDs light up.
- Voltage faults: if input voltage was detected to have returned to Hys after tripped for voltage faults, the relay will reset automatically. During the counting of reset/start delay, faults indication LEDs go out and the operating voltage and current values flash on screen. Current faults: After the relay tripped for current faults, it will reset automatically. During the counting of reset/start delay, fault indication LED goes out, the operating voltage and current values flash on screen.

SYMBOL



WIRING DIAGRAM



 Rated operating current of circuit breaker is 75% maximum current of the relay le=0.75x lmax

DIMENSIONS

