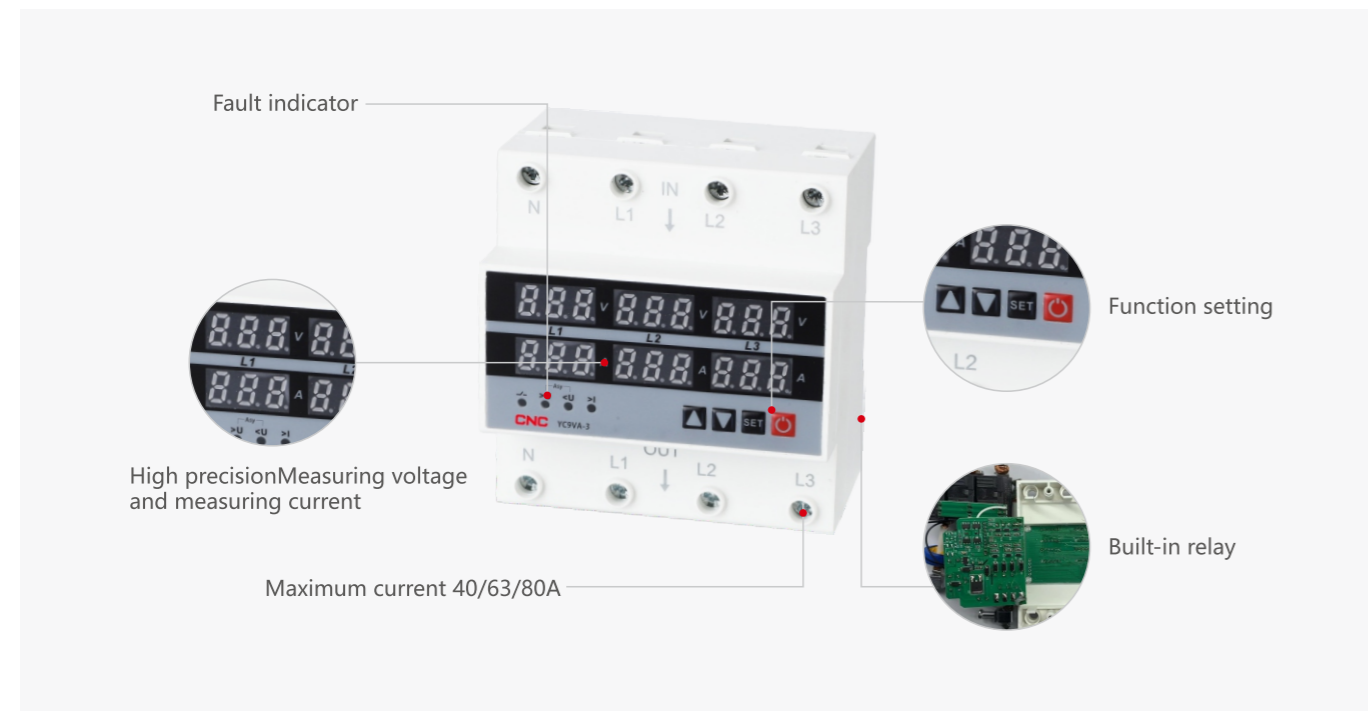


YC9VA-3 Overvoltage and Undervoltage Protector



General

YC9VA-3 voltage and current display relay is a microprocessor-based voltage monitoring device for three-phase AC networks to protect electrical equipment from surge voltage. The device analyzes the main voltage and displays its current value on a digital indicator. Load is switched by electromagnetic relay. The user can set the current voltage value and delay time through the button. The value is stored in non-volatile memory. Aluminum wires and copper wires can be used for connection.

Application

YC9VA-3 voltage and current display relay used in administrative, industrial and residential buildings and has the function of protecting single-phase lines:

- Undervoltage protection;
- Overvoltage protection;
- Working under voltmeter mode;
- Overcurrent protection.

YC9VA-3 Overvoltage and Undervoltage Protector

Technical data

Parameter	L-N	L-L
Rated supply voltage	AC 220	AC 380
Operation voltage range	AC 80~400V(three phase)	AC 140~700V(three phase)
Rated frequency	50/60Hz	50/60Hz
Electric current (>A) setting range	1~40A/63A/80A	1~40A/63A/80A
Overvoltage (>U) setting range	230~300V	390~500V
Undervoltage (<U) setting range	140~220V	260~370V
Rated current	40A/63A/80A/100A	40A/63A/80A/100A
>U and <U trip delay	0.1~30S	0.1~30S
Reset/start delay	1~500S	1~500S
Voltage measurement accuracy	2%	2%
Rated insulation voltage	400V	700V
Output contact	3NO	3NO
Electrical life	10 ⁵	10 ⁵
Mechanical life	10 ⁶	10 ⁶
Protection degree	Ip20	Ip20
Pollution degree	3	3
Altitude	≤2000m	≤2000m
Operating temperature	-50°C~55°C	-50°C~55°C
Humidity	≤50% at 40(without condensation)	≤50% at 40(without condensation)
Storage temperature	-30°C~70°C	-30°C~70°C

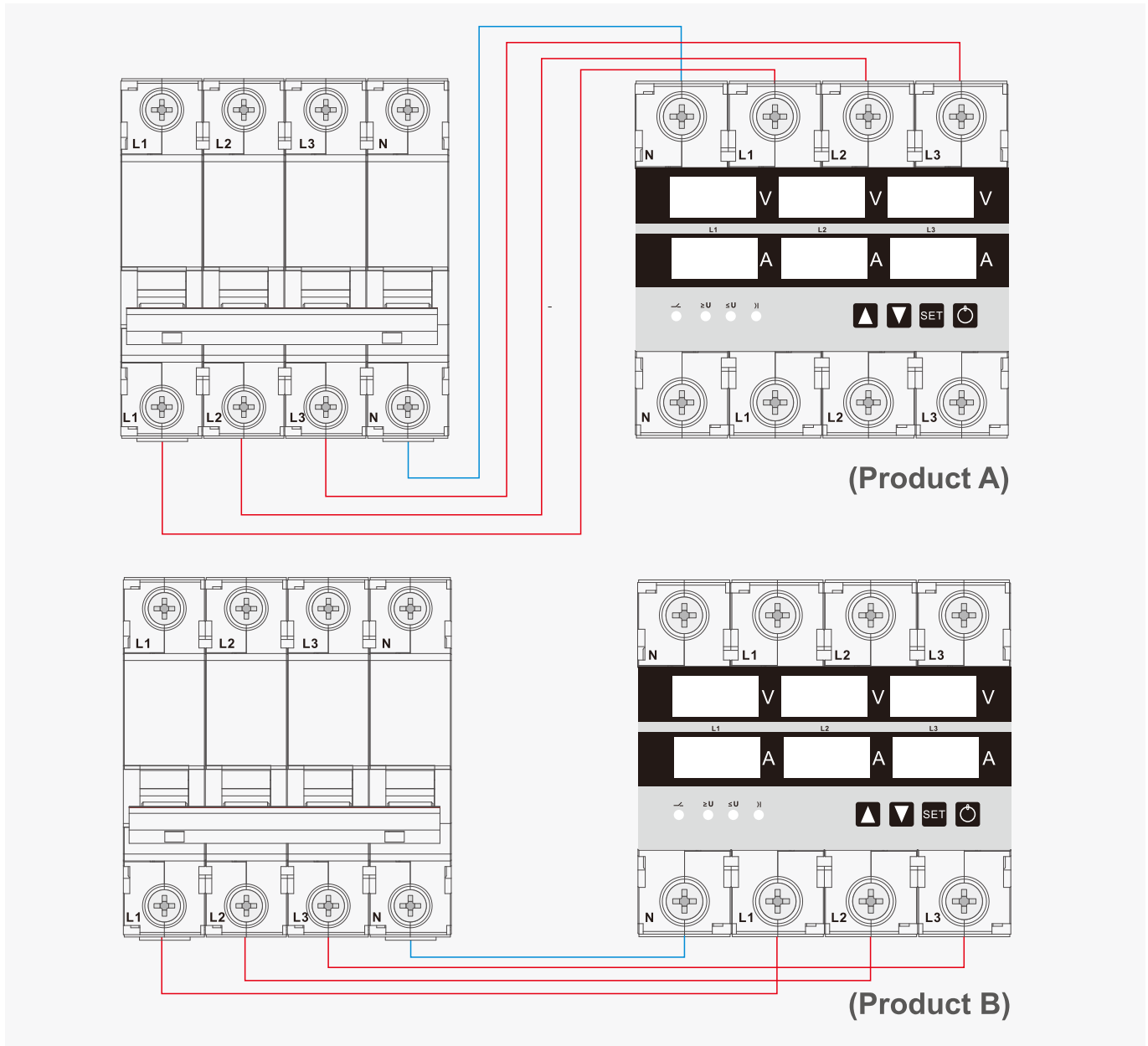
Rated supply voltage	AC 220V				AC 380V			
	40A	63A	80A	100A	40A	63A	80A	100A
Current specification								
Rated operating current(In, A)	40	63	80	100	40	63	80	100
Maximum operating current I _{max} (A, with in 10 min)	63A	80A	100A	125A	63A	80A	100A	125A
Max. power of load(kW)	8.8	13.9	17.6	22	15.2	24	30.4	38

Modular DIN Rail

YC9VA-3 Overvoltage and Undervoltage Protector

A

Wiring diagram



Overall and mounting dimensions(mm)

