



Technical data

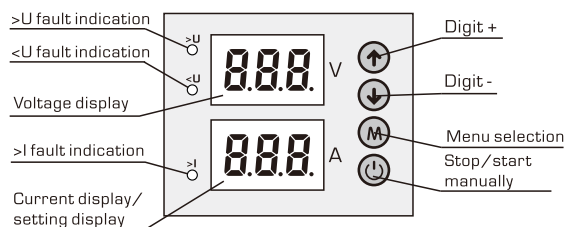
Rated supply voltage	AC 220V
Operation voltage range	AC 50V~450V
Rated frequency	50/60Hz
Overvoltage(U>) setting range	220~300V
Undervoltage(U<) setting range	80~210V
Hysteresis	2%
Reset/start delay	Ts: 5s~600s
Overcurrent faults trip delay range	Ta: 5s~600s
Overvoltage(U>) trip delay	<0.5s
Undervoltage(U<) trip delay	≥80V:0.5s, <80V: 0.1s
Overcurrent(I>) trip delay	$I_n < I_r$ * I_{max} : Ta; I_r * I_{max} : ≤0.1s
Voltage measurement accuracy	≤1%(over the whole range)
Rated insulation voltage	400V
Output contact	1NO
Electrical life	10 ⁵
Mechanical life	10 ⁶
Protection degree	IP20
Pollution degree	3
Altitude	≤2000m
Ambient temperature	-20°C~+55°C

* Operating current value

Technical parameter	Setting range	Step	Factory setting
Overvoltage trip value	220V~300V	1V	250V
Undervoltage trip value	80V~210V	1V	170V
Reset/start delay	5s~600s	1s	15s
Overcurrent faults trip delay	5s~600s	1s	90s

Current specification	25A	32A	40A	50A	63A
Rated operation current(I _n , A)	1-25	1-32	1-40	1-50	1-63
Maximum operating current I _{max} [A, within 10min]	32	40	50	60	80
Max. power of load[kW]	5.5	7	8.8	11	13.9
Maximum wire size(mm ²)	6	8	10	16	16

Front panel

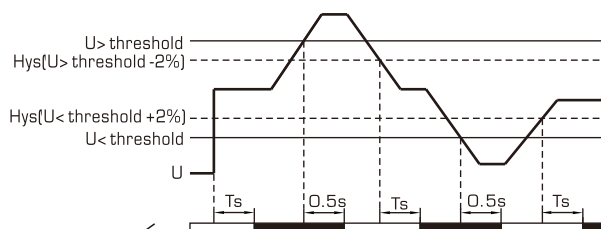


Features

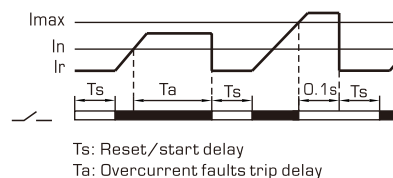
- Microcontroller based
- Double 3 digit display for operating voltage value
- Protect electrical device against overvoltage and undervoltage
- Reset/ start delay adjustable(5~600s)
- Voltage measurement accuracy ≤1%
- Parameters setting by keys
- LEDs indication for overvoltage and undervoltage faults
- 3 Module, DIN Rail mounting

Function diagrams

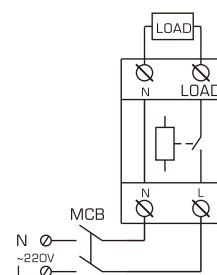
● Overvoltage and undervoltage



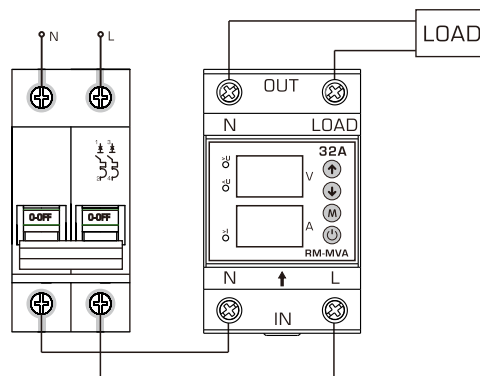
● Overcurrent



Symbol



Wiring diagram



- Rated operating current of circuit breaker is 75% maximum current of the relay
 $I_e = 0.75 \times I_{max}$