

Parameter Setting Method

Press and hold key SET for 3 seconds to get into parameter setting interface, then Press ENT to shift to next parameter, press ENT to set up the values. Long press ENT could accelerate increase or decrease.

LCD indication	Parameters	Setting range	Default
	Overvoltage threshold	390-490-OFF	437v
	Overvoltage delay time	0.1-25s	5s
	Undervoltage threshold	OFF-300-370V	323V
	Undervoltage delay time	0.1-25s	5s
	Phase unbalance ratio	5-25%-OFF	10%
	Phase unbalance delay time	1-25s	5s
	Phase sequence	ON/OFF	ON
	Reset method	AU/HA	AU
	Failure record query	1,2,3	1
	Exit	-----	-----

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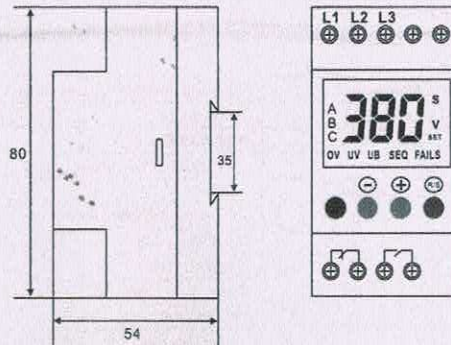
Parameter Setting Method

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Note:

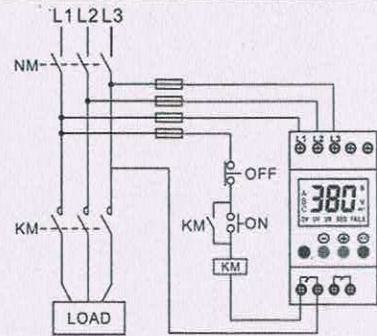
- "ON" means enable the function, "OFF" means disable the function.
- If overvoltage protection, undervoltage protection or unbalance protection is turned off, the relevant delay times setting will be hidden.
- For reset method, "AU" means automatically reset, "HA" means manual reset, that you have to press ENT to reset.
- For failure record, the relay will cover the last failure record, you can view the last three failure records.
- The relay would automatically exit setting interface if any key is not pressed for consecutive 60 seconds.

Dimensions(mm)



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Wiring Diagram



Relay contact position shown in "Power on" (Healthy) condition

General safety potentially hazardous voltages are present at the terminals of the relays. All electrical power should be removed when connecting or disconnecting wiring. This device should be installed and serviced by qualified personnel.

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Three-phase Voltage Monitoring Relay

Features

- Microprocessor technology provides highly accurate and repeatable protection
- Built-in LCD and keypad afford a precise digital setting
- Compact modular 43mm housing
- Adjustable over-and undervoltage, phase unbalance threshold
- Independent adjustable delay time for overvoltage, undervoltage, phase unbalance
- Adjustable reset method: automatic reset or manual reset
- 1 NO & 1 NC contacts
- Failure recording with last 3 faults

Protective Functions

- Phase Loss (Failure)
- Phase Sequence (Reversal)
- Phase Unbalance (Asymmetry)
- Undervoltage
- Overvoltage

Applications

- Pumps
- Fans
- Refrigeration Units
- Blowers
- Motors
- Compressors
- Lifts, Elevators
- Cranes
- Mining excavators and conveyors

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Ordering Information

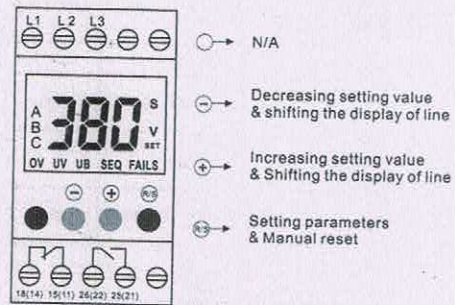
Model	Rated Voltage	Operating Range
	380VAC, 50Hz	300-490VAC

Technical data

Rated supply voltage	380VAC
Operating Range	300-490VAC
Operating Frequency	50Hz
Voltage hysteresis	10V
Asymmetry hysteresis	2%
Automatic reset time	1.5s
Phase loss tripping time	1s
Phase sequence tripping time	Instant
Measurement error	≤1% with adjustable voltage range
Failure recording	Three times
Output type	1NO & 1NC
Contact capacity	6A, 250VAC/30VDC (resistive load)
Degree of protection	IP 20
Working conditions	-25°C-65°C, ≤85%RH, non-condensing
Mechanical durability	1000000 cycles
Dielectric strength	>2kVAC 1min
Weight	130g
Dimensions(H×W×D)	80×43×54
Mounting	35mm DIN rail

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Front Panel View



LCD Indication	Description
A B C	The phases of line voltage, shift by \ominus or \oplus
OV	Overvoltage fault indication or overvoltage setting indication
UV	Undervoltage fault indication or Undervoltage setting indication
UB	Phase sequence fault indication or Phase sequence setting indication
SEQ	Phase sequence fault indication or Phase sequence setting indication
FAILS	Phase loss fault indication
SET	Parameter setting indication

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