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 & 1NC contacts
- Failure recording with last 3 faults

Protective Functions

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

Applications

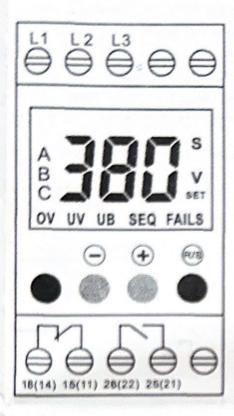
- Pumps
- Fans
- Refrigeration Units
- Blowers
- Motors
- Compressors
- Lifts, Elevators
- Cranes
- Mining excavators and conveyors

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% withajustable volatage range	
Falure 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	1000000cycles	
Dielectric strength	>2kVAC 1min	
Weight	130g	
Dimensions(H×W×D)	80×43×54	
Mounting	35mm DIN rail	





- Decreasing setting value

 & shifting the display of line voltage
- Increasing setting value
 Shifting the display of line voltage
- Setting parameters & Manual reset

LCD Indication	Description	
ABC	The phases of line voltage, shift by or +	
ov	Overvoltage fault indication or overvoltage setting indication	
UV	Undervoltage fault indication or Undervoltage setting indication	
UB	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		

Parameter Setting Method

Press and hole key res for 3 seconds to getinto parameter setting interface, then Press to shit to next parameter, press to set up the values. Long press Could accelerate increase or decrease.

LCD indication	Parameters	Setting range	Default
437 v set	Overvoltage threshold	390~490~OFF	437v
5.0° s set	Overvoltage delay time	0.1~25s	5s
342°	Undervoltage threshold	OFF~300~370V	323V
5.0 s ∋uv€	Undervoltage delay time	0.1~25s	5s
10 set	Phase unbalance ratio	5~29%~OFF	10%
5.0 s 3.0 set	Phase unbalance delay time	1~25s	5s
O∏ _{SET} ∋SEQ€	Phase sequence	ON/OFF	ON
RUser	Reset method	AU/HA	AU
SET	Failure record query	1,2,3	1
E N d ser	Exit		

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Parameter Setting Method

(Continued)

Note:

1, "ON" means enable the function, "OFF" means disable the function.

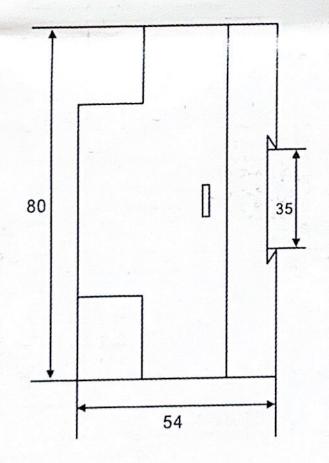
2.If overvoltage protection, undervoltage protection or unbalance protection is turned off, the relevant delay times setting will be hidden.

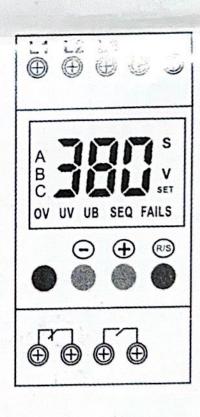
3. For reset method, "AU" means automataically reset, "HA" means manual reset, that You have to press reset.

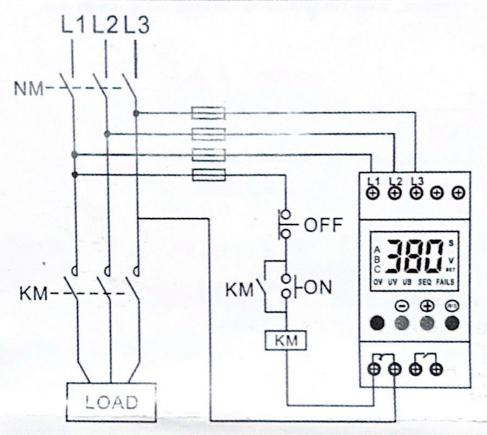
4. For failure record, the relay will cover the last failure record, you can view the last three failure records.

5. The relay would automatically exit setting interface if any key is not pressed for consecutive consecutive 60 seconds.

■ Dimensions(mm)







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

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