



Product For more information

Item :	RV1-08
Name :	RV1-08
Category :	Relay
Clicks :	12

Product Description:ZHRV series Electromechanical Motor Protective Relay, Phase Sequence, Phase Failure, Asymmetry and PTC Protection

Applications:

Protection electromechanical device against voltage faults. Protection electromechanical device against reverse running. Protection against a driving load (phase failure) Normal/emergency power supply switching.

Functions:

Overvoltage monitoring, Undervoltage monitoring, Phase sequence monitoring, Phase failure monitoring, Asymmetry monitoring, PTC protection

Technical parameters:

Features:

Microprocessor base.

True RMS measurement, measuring accuracy $\leq 1\%$.

Can be Used for monitoring circuit of single phase, two phase,

Three phase three wire or three phase four wire.

Auto reset or manual reset.

LED indication for control state.

Load side protection and PTC protection selectable

Technique parameter:

Model	Overvoltage monitoring		Undervoltage monitoring		Asymmetry protection		Phase sequence protection	Phase failure protection	Selectable function		
	setting range	time-delay	setting range	time-delay	setting range	time-delay					
ZHRV1-01	1.05-1.30	0.1-10s	N	N	N	N	N	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection
ZHRV1-02	N	N	0.70-0.95	0.1-10s	N	N	N	Y			
ZHRV1-03	1.05-1.30	0.1-10s	0.70-0.95	0.1-10s	N	N	N	Y	manual reset button	PTC protection	L1/L2/L3 load side protection
ZHRV1-04	1.05-1.30	0.1-10s	0.70-0.95	0.1-10s	N	N	Y	Y			
ZHRV1-05	1.05-1.30	0.1-10s	0.70-0.95	0.1-10s	8%	2s	N	Y	manual reset button	PTC protection	L1/L2/L3 load side protection
ZHRV1-06	1.05-1.30	0.1-10s	0.70-0.95	0.1-10s	8%	2s	Y	Y			
ZHRV1-07	1.05-1.30	0.1-10s	0.70-0.95	0.1-10s	5%-15%	0.1-10s	N	Y	N	PTC protection	L1/L2/L3 load side protection
ZHRV1-08	1.05-1.30	0.1-10s	0.70-0.95	0.1-10s	5%-15%	0.1-10s	Y	Y			
ZHRV1-09	1.05-1.30	2s	0.70-0.96	2s	8%	2s	N	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection
ZHRV1-10	1.15	2s	0.85	2s	8%	2s	Y	Y			
ZHRV1-11	1.15	2s	0.85	2s	5%-15%	0.1-10s	N	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection
ZHRV1-12	1.15	2s	0.85	2s	5%-15%	0.1-10s	Y	Y			
ZHRV1-13	1.15	2s	0.85	2s	8%	2s	N	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection
ZHRV1-14	1.15	2s	0.85	2s	8%	2s	Y	Y			
ZHRV1-15	1.15	2s	0.85	2s	N	N	N	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection
ZHRV1-16	1.15	2s	0.85	2s	N	N	Y	Y			
ZHRV1-17	N	N	N	N	5%-15%	0.1-10s	Y	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection
ZHRV1-18	N	N	N	N	N	N	Y	Y			
ZHRV1-19	N	N	N	N	8%	2s	Y	Y	manual reset and test button	PTC protection	L1/L2/L3 load side protection

Note: 1. Y the function is available, N the function is not available

2. In the circuit of three phase four wire, the relay which have no phase sequence protection function can be used to protect single phase or two phase circuit.

3. For PTC temperature protection function and load side protection function, only one kind of function can be chosen. Load side protection function is only available for the circuit of three phases four wires.

4. All models relay can be adjusted in 220V/230V/240V or 380V/400V/415V except RV1-07, RV1-08



Product For more information

Item :	RV2-S
Name :	RV2-S
Category :	Relay
Clicks :	13

Product Description:Our Electronic motor Voltage protective Relay Product Feature

- 1, Built-in high-performance micro controller with high reliability and Strong resistance to interference.
- 2, Voltage value and fault message displayed through LCD.
- 3, Protection against over-voltage, under-voltage, phase failure, Unbalance and phase sequence is available.
- 4, Protection parameters are set through keys, and the protection Function can be turned on and off freely.
- 5, True RMS value measurement, voltage measurement accuracy $\leq 1\%$.
- 6, Measurement frequency 45Hz~65Hz.
- 7, Three-phase voltage value query through keys.
- 8, Testing and manual reset can be conducted through keys.
- 9, Three-phase four-wire system features N-phase failure protective

Technique parameter:

Parameters	Setting range	Step	Factory default	Remarks
Over-voltage operation value	OFF-381V~500V	1V	437V	M415
	OFF-221V~300V	1V	253V	M240
Over-voltage delay time	0.1~20s	0.1s	2s	
Under-voltage operation value	260V~379V off	1V	323V	M415
	150V~219V off	1V	187V	M240
Under-voltage delay time	0.1~20s	0.1s	2S	
Unbalance Ratio	OFF-5%~20%	1%	8%	
Unbalance Delay time	0.1~20s	0.1s	2S	
Phase sequence protection	ON-OFF		ON	
Start-reset delay time	0.3-30S	0.1S	0.3S	
Automatic	ON-OFF		ON	

Note: " ON" means activating protection function, and " OFF" means inactivating protection function.



Product For more information

Item :	ZHRA1
Name :	ZHRA1
Category :	Relay
Clicks :	4

Product Description:Applications:

Overload, phase failure, rotor-locked, Asymmetry protection

Functions:

Micro processor inside, with high reliability and high anti-interference ability. Over-load, phase-loss, locked-rotor and asymmetry protection. Setting current by scale accurately. Inverse time over-load protection, with 4 tripping class selectable. LED indication for current of 3 phase, with accuracy $\leq 2\%$. Can be started without load. Over-load and phase loss protection for any single phase.

Technical parameters:

Features:

- Microprocessor based
- Overload, phase failure, rotor-locked, Asymmetry protection
- Current setting by potentiometer
- Tripping class selectable
- LED indication for three phase current, measuring error $\leq 2\%$
- Can be started without load

Application:

Used for protecting three phase motor

Technique parameter:

Model	Setting current range	Matched motor(AC 380V)	Note
ZHRA1-1A~5A	1A~5A	0.5kW~2.5kW	Straight-through
ZHRA1-2A~10A	2A~10A	1kW~5kW	
ZHRA1-6A~30A	6A~30A	3kW~15kW	
ZHRA1-16A~80A	16A~80A	8kW~40kW	
ZHRA1-40A~200A	40A~200A	20kW~100kW	
ZHRA1-80A~400A	80A~400A	40kW~200kW	



Product For more information

Item :	ZHRT1
Name :	ZHRT1
Category :	Relay
Clicks :	4

Product Description:ZHRT1 Series Time Relay

Features:

- 1, Microprocessor based
- 2, Modular design, 18mm width
- 3, Single function or multi-function selectable
- 4, Multiple voltage selectable
- 5, LED indication for supply state and delay state

Applications:

Industry equipment, automatic systems
Staircase lighting control
Star-delta starting

Technique parameter:

ZHRT1-A	Delay on operate	DC12V DC24V AC110V AC220V AC380V AC/DC24V-240V	1 C/O 2 C/O 1 C/O+1 instantaneous	0.1S-100H
ZHRT1-B	Delay on release			
ZHRT1-E	Delay OFF, after break of control contact			
ZHRT1-F	Delay OFF, after break of control contact with instant output			
ZHRT1-S	Cycler time relay, independent timings			
ZHRT1-M	F1: Delay on operate F2: Delay on release F3: Cycler beginning with OFF F4: Cycler beginning with ON F5: Delay OFF, after break of control contact F6: Delay OFF, after make of control contact F7: Delay OFF, after break of control contact with instant output F8: Delay OFF, after make and break of control contact F9: Latching relay F10: Pulse generator			
ZHRT1-ST	Star-delta time relay	AC110V AC220V AC380V	2NO	Starting time: 1s~10m adjustable Transition time: 20ms~300ms adjustable
ZHRT1-DS	Off-delay time relay		1NO	0.1s~10s, 10s~100s, 1m~10m, 0.1h~10h, 10h~100h
ZHRT1-LS	Staircase time relay			



Product For more information

Item :	ZHRV5-03
Name :	ZHRV5-03
Category :	Relay
Clicks :	3

Product Description:Three phase AC voltage Electromagnetic monitoring relay

Feature:

- 1, Microprocessor based
- 2, Modular design, 18mm width
- 3, True RMS measurement, measuring accuracy \leq 1%
- 4, Wide frequency range(45-65Hz) measurement
- 5, 8 nominal operating voltage selectable
- 6, LED indication for control state
- 7, Communication through Modbus module

Application:

- 1, Protection electromechanical device against voltage faults
- 2, Protection electromechanical device against reverse running
- 3, Protection against a driving load (phase failure)
- 4, Normal/emergency power supply switching

Functions:

Phase failure \Phase sequence\ Overvoltage \Undervoltage\ Asymmetry\Trip delay

Technique parameter:

Model	Phase failure	Phase sequence	Overvoltage	Undervoltage	Asymmetry	Trip delay
ZHRV5-03	√	√	—	—	—	—
ZHRV5-04	√	√	—	—	5%~15%	0.1~10s
ZHRV5-05	√	—	2%~20%	—	—	0.1~10s
ZHRV5-06	√	—	—	2%~20%	—	0.1~10s
ZHRV5-07	√	—	2%~20%	2%~20%	—	0.1~10s
ZHRV5-08	√	√	2%~20%	2%~20%	—	0.1~10s
ZHRV5-09	√	√	2%~20%	2%~20%	5%~15%	0.1~10s
ZHRV5-10	√	√	2%~20%	2%~20%	8%	2s
ZHRV5-11	√	√	—	—	8%	2s
ZHRV5-12	√	√	15%	15%	8%	2s