

ZHRT1-ST

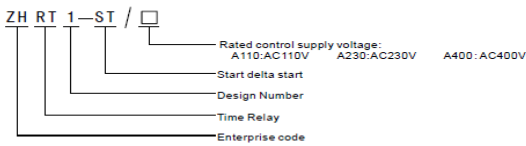
Operating Instructions for ZHRT1 Series Time Relay(Star/Delta)

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Function Features

- Compact in size with a width of only 18mm.
- Built-in high-performance microcontroller with strong resistance to interference and high reliability.
- Designed for Star/Delta start.
- LED indicator lamp indicates working states.
- Capable of being mounted onto 35mm symmetric DIN rail.

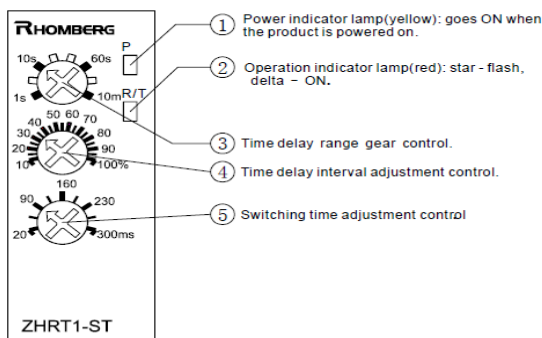
Model and Connotation



Main Technical Parameters

Rated control supply voltage	110VAC, 230VAC, 400VAC 50/60Hz Allowable fluctuation range: $\pm 10\%$
Rated insulation voltage	AC400V
Rated power consumption	$\leq 3VA$
Range of time delay	0.1s...10min
Switch time	20ms...300ms
Setting accuracy	$\leq \pm 10\%$
Repeatable accuracy	$\leq \pm 0.5\%$
Power-up repetition interval	$> 200ms$
Electrical durability	100000 cycles
Mechanical durability	1000000 cycles
Conventional heat current	5A
Utilisation category	AC-15
Contact capacity	AC-15:Ue/Ie AC240V/1.5A, AC400V/0.95A
Height above sea level	$\leq 2000m$
IP degree of protection	IP20
Pollution degree	3
Operation temperature	$-20 \dots 60^\circ C$
Permissible relative humidity	$\leq 50\%$ (40 $^\circ C$)
Storage temperature	$-30 \dots 75^\circ C$

Panel Diagram



Operating Instructions

1. Yellow indicator lamp Star the power ON state of relay . Flashing of red indicator lamp indicates star start : constant ON means Delta start.
2. Please set the relay before turn on the power since the setting of relay made after power-on would become effective at the next power-on.
3. In case of power-off, the relay shall not be powered on within 200ms.

Operational diagram

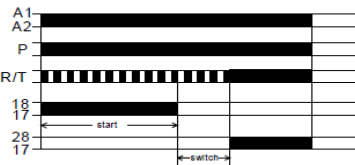
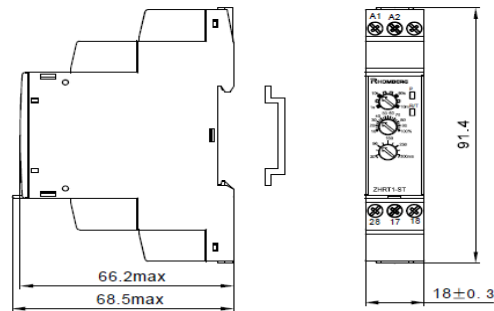
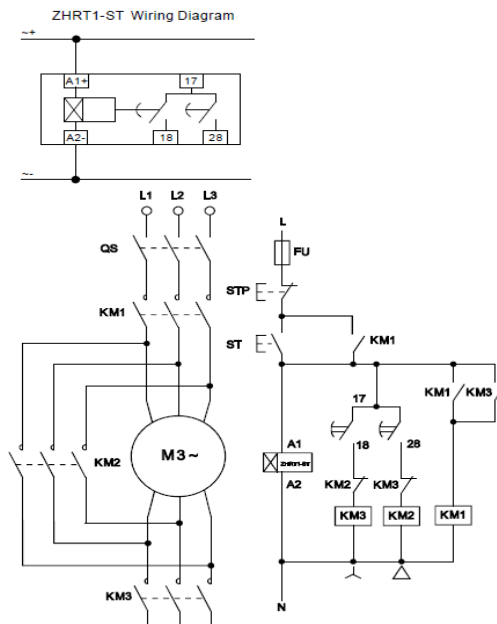


Diagram of Overall Dimensions



Wiring Diagram



BRANCH CONTACT DETAILS


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 **Warning**

1. This product shall be installed, operated and maintained by qualified personnel.
2. Whether or not the product functions normally, user shall not dismantle or repair the said product without permission, and we shall not assume any responsibility for accident as a result thereof.
3. Please refer to the wiring diagram in Operation Instructions for installation.
4. Never place power input line in the same conduit with other wires with heavy current. Please use shielded wire if necessary.
5. Do not use this product in areas with dust, corrosive gases and with exposure to direct sunlight and rain.
6. Never use this product in medium with explosion hazard and with gases that may corrode metals and destroy the insulation.
7. Please store and use this product at rated supply voltage and stated temperature, height above sea level and humidity.
8. Failure to follow these instructions can result in, serious injury, or equipment damage.
9. The warranty period of this product shall be 18 months under normal use.

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