

ZHRT1-A

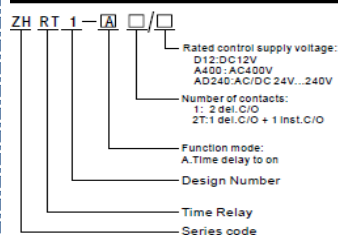
Operating Instructions for ZHRT1 Series Time Relay

ZHRT1-A2/A2T

Function Features

- Compact in size, only 18mm wide that can be mounted onto 35mm symmetric DIN rail.
- A time delay range of 0.1s...100h.
- Repeatable accuracy $\leq 0.2\%$.
- High-performance microcontroller with strong resistance to interference.
- Various supply voltage available.
- LED indicator lamp indicates "power ON" and "time delay" states.

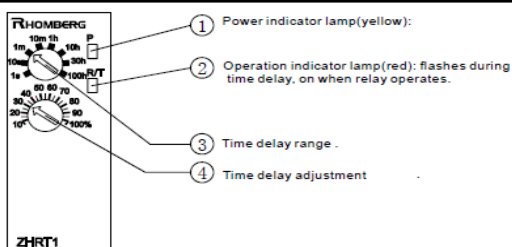
Model and Connotation



Main Technical Parameters

Rated control supply voltage	12VDC, 24VDC 110VAC, 230VAC, 400VAC 50/60Hz 24V...240V AC/DC 50/60Hz Allowable fluctuation range: $\pm 10\%$
Rated insulation voltage	AC400V
Rated power consumption	AC: $\leq 3VA$ DC: $\leq 1.5W$
Range of time delay	0.1s...100h(selection through knob)
Setting accuracy	$\leq \pm 8\%$
Repeatable accuracy	$\leq \pm 0.2\%$
Power-up repetition interval	$\geq 200ms$
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...60°C
Permissible relative humidity	$\leq 50\%$ (40°C)
Storage temperature	-30...75°C

Panel Diagram



Operating Instructions

1. Yellow indicator lamp indicates the power ON state of relay. Flashing of red indicator lamp means the time delay is in progress; constant ON indicates relay operation.
2. Please set the relay before power-on 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 has a reset time of 200ms.

Operational diagram

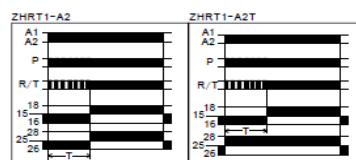
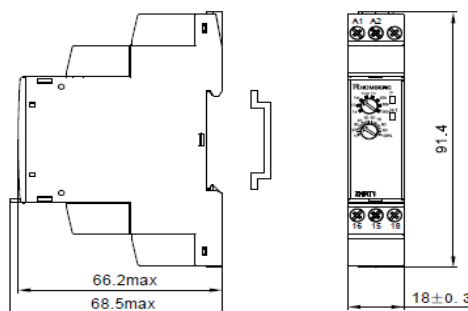
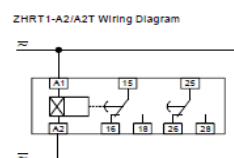


Diagram of Overall Dimensions



Wiring Diagram



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 the 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 the 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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