

ZHRT2-S3T

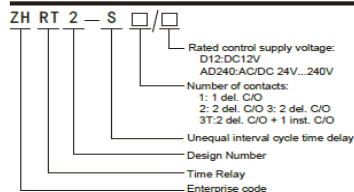
Operating Instructions for ZHRT2 Series Time Relay

ZHRT2-S1/S2/S2T/S3/S3T

Function Features

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

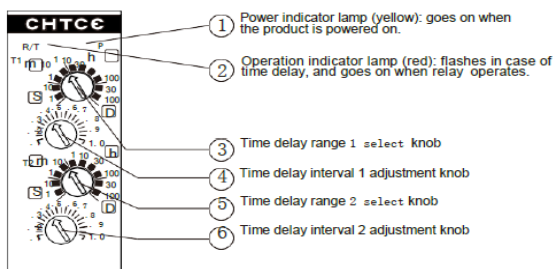
Model and Connotation



Main Technical Parameters

Rated control supply voltage	12VDC, 24V~240V AC/DC 50/60Hz Allowable fluctuation range: $\pm 10\%$
Rated insulation voltage	AC380V
Rated power consumption	AC: $\leq 3\text{VA}$ DC: $\leq 1.5\text{W}$
Range of time delay	0.1h~100h(selection through knob)
Setting accuracy	$\leq \pm 8\%$
Repeatable accuracy	$\leq \pm 0.2\%$
Power-up repetition interval	$\geq 200\text{ms}$
Electrical durability	100000 cycles
Mechanical durability	1000000 cycles
Conventional heat current	5A
Utilisation category	AC-15
Contact capacity	U_e / I_e AC240V/1.5A, AC380V/0.95A
Height above sea level	$\leq 2000\text{m}$
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. Slow flashing of red indicator lamp indicates that the relay is running time delay T1. Quick flashing of red indicator lamp indicates that the relay is running time delay T2.
2. Time delay and time delay range is selected using knob.
3. Set the relay before power-on since the setting of relay made after power-on would become effective at the next power-on.
4. The relay reset time should not be shorter than 200ms.

Operational diagram

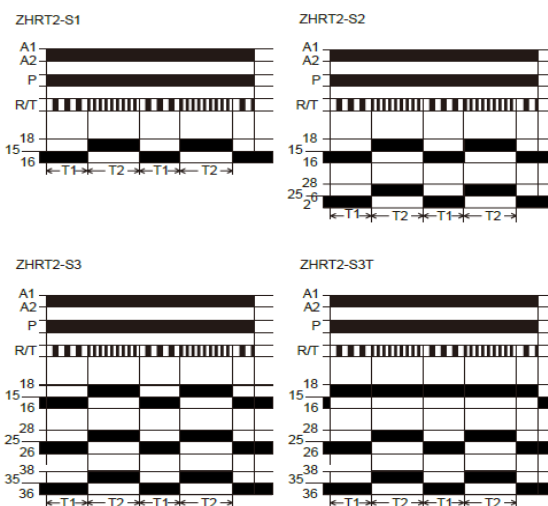
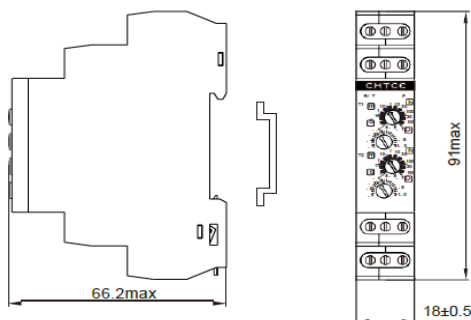


Diagram of Overall Dimensions



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