

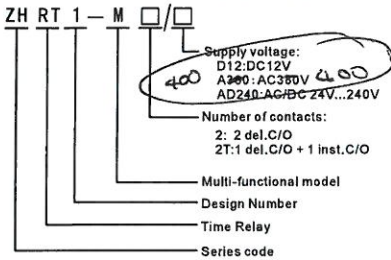
Operating Instructions for ZHRT1 Series Time Relay(Multi-Function)

ZHRT1-M2/M2T

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.
- Various supply voltages available.
- LED indicator lamp indicates "power ON" and "time delay" states.

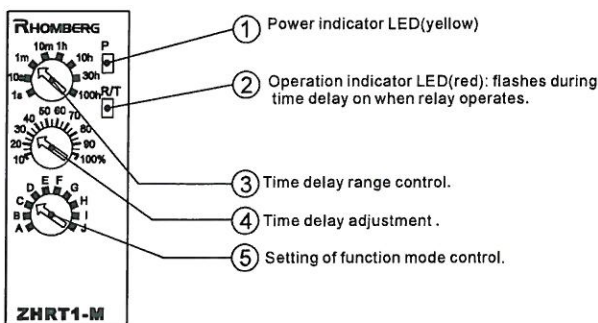
Model and Connotation



Main Technical Parameters

Rated control supply voltage	12VDC, 24VDC, 110VAC, 220VAC, 380VAC 50/60Hz, 24V...240V AC/DC 50/60Hz Allowable fluctuation range: +/-10%
Rated insulation voltage	250VAC
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	>=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, AC380V/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

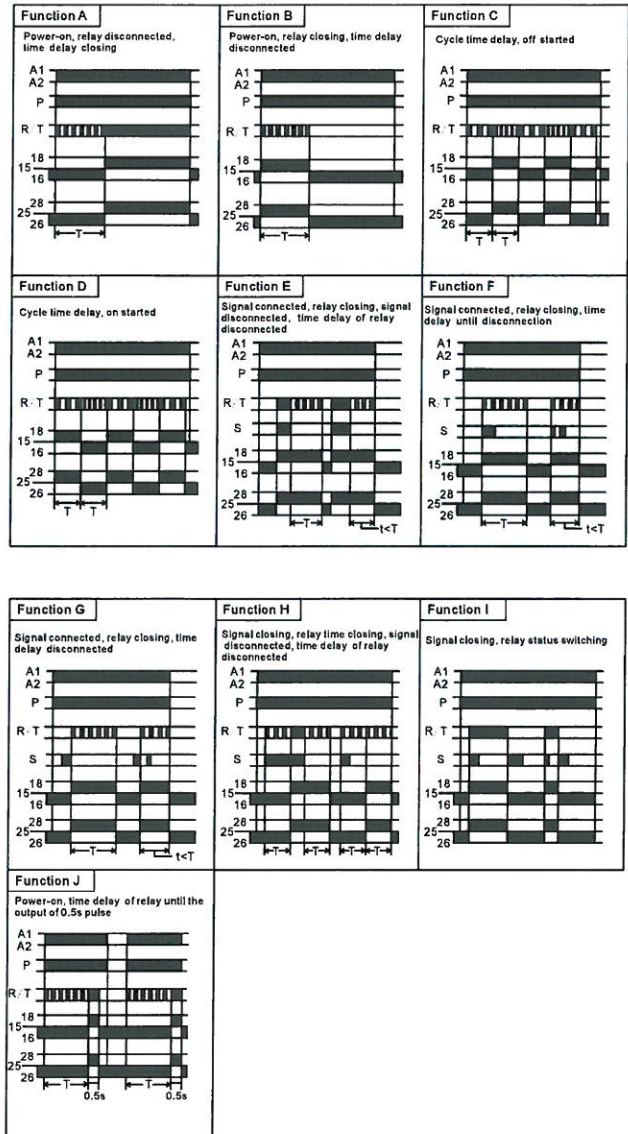


Operating Instructions

1. Yellow indicator lamp indicates the power ON state. Flashing of red indicator lamp during the time delay; constant ON indicates relay operation.
2. Time delay, time delay range and function mode are selected on front panel.
3. Please set the relay before power-on since the setting of relay made after power-on would become effective at the next power-on.
4. In case of power-off, the relay has a reset of 200ms.

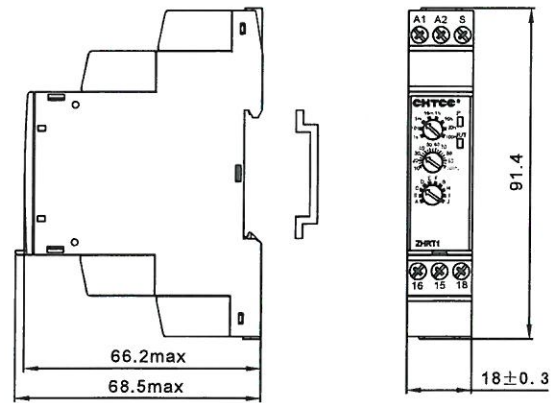
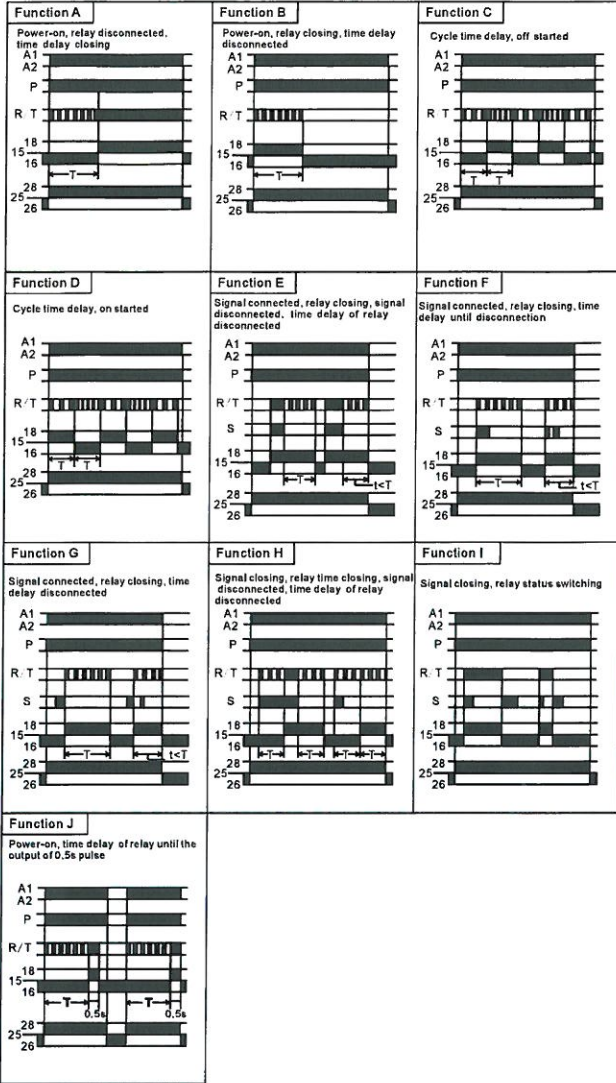
Operational diagram

ZHRT1-M2



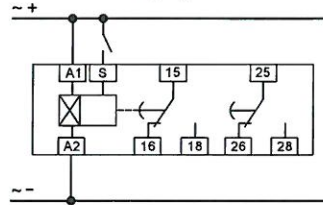
□ Diagram of Overall Dimensions

ZHRT1-M2T



□ Wiring Diagram

ZHRT1-M2/M2T 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 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.