

ZHRT1-S2

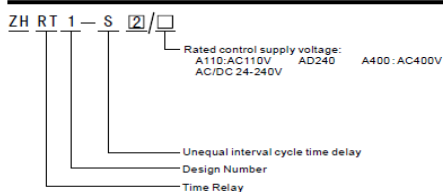
Operating Instructions for ZHRT1 Series Time Relay (Cycling Timer)

ZHRT1-S2

Function Features

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

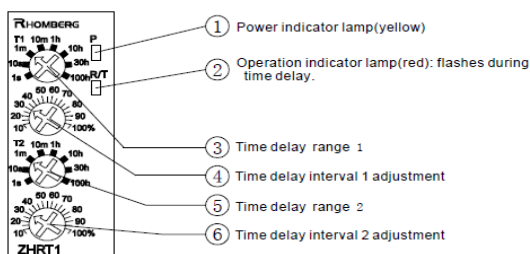
Model and Connotation



Main Technical Parameters

Rated control supply voltage	110VAC, 230VAC, 400VAC 50/60Hz Allowable fluctuation range: $\pm 10\%$
Rated insulation voltage	AC400V
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	AC-15: 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	$-20 \dots 60^\circ\text{C}$
Permissible relative humidity	$\leq 50\%$ (40°C)
Storage temperature	$-30 \dots 75^\circ\text{C}$

Panel Diagram

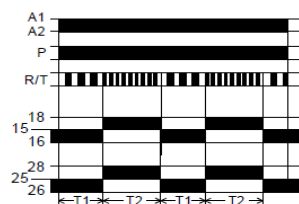


Operating Instructions

1. Yellow indicator lamp indicates the power ON state of relay.
2. Slow flashing of red indicator lamp indicates time delay T1.
3. Fast flashing of red indicator lamp indicates time delay T2.
4. Time delay and time delay range is selected using front panel controls.
5. Please set the relay before power-on since the setting of relay made after power-on would become effective at the next power-on.
6. In case of power-off, the relay has a reset time of 200ms.

Operational diagram

ZHRT1-S2



ZHRT1-S2T

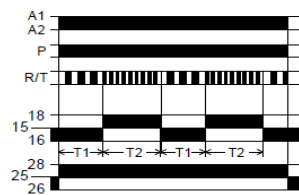
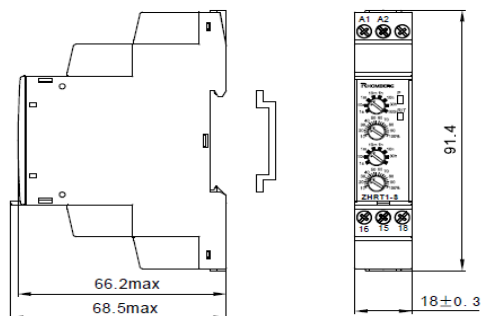
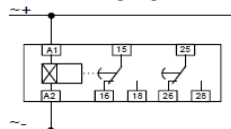


Diagram of Overall Dimensions



Wiring Diagram

ZHRT1-S2 Wiring Diagram



BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
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NATIONAL CALL CENTRE

Sales	010 202 3400
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www.acdc.co.za	

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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