

ZHRT1-LS

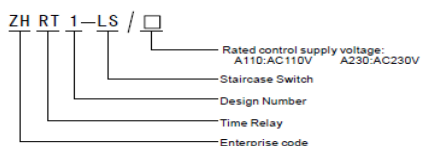
Operating Instructions for ZHRT1 Series Time Relay(Passage Light Timer)

ZHRT1-LS

Function Features

- Compact in size 18mm wide.
- High-performance microcontroller with strong resistance to interference.
- LED indicator lamp indicates working status.
- Both manual and automatic modes available.
- Capable of being mounted onto 35mm symmetric DIN rail.

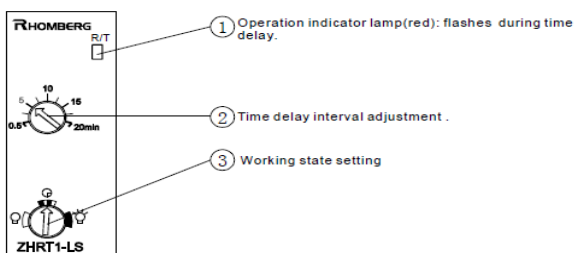
Model and Connotation



Main Technical Parameters

Rated control supply voltage	110VAC, 230VAC 50/60Hz Allowable fluctuation range: $\pm 10\%$
Rated insulation voltage	AC400V
Rated power consumption	12VA/0.8W max
Range of time delay	0.5min...20min
Setting accuracy	$\leq \pm 10\%$
Repeatable accuracy	$\leq \pm 0.5\%$
Power-up repetition interval	$\geq 200\text{ms}$
Electrical durability	100000 cycles
Mechanical durability	1000000 cycles
Conventional heat current	10A
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

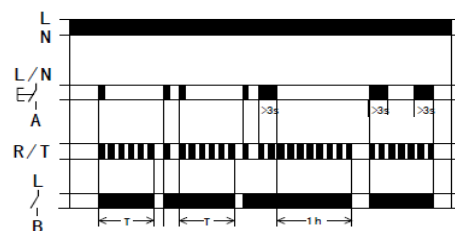


Operating Instructions

1. Please set the relay before power-on since the setting of relay made after power-on would become effective at the next power-on.
2. In case of power-off, the relay has a reset time of 200ms.

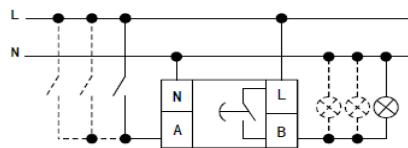
Operational diagram

A rising edge ON and falling edge begins time delay which lasts until OFF

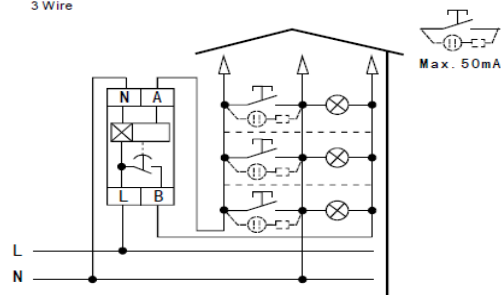


Wiring Diagram

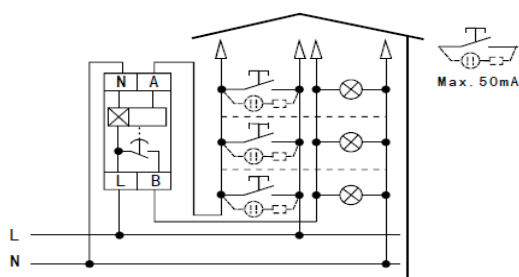
ZHRT1-LS Wiring Diagram



3 Wire



4 Wire



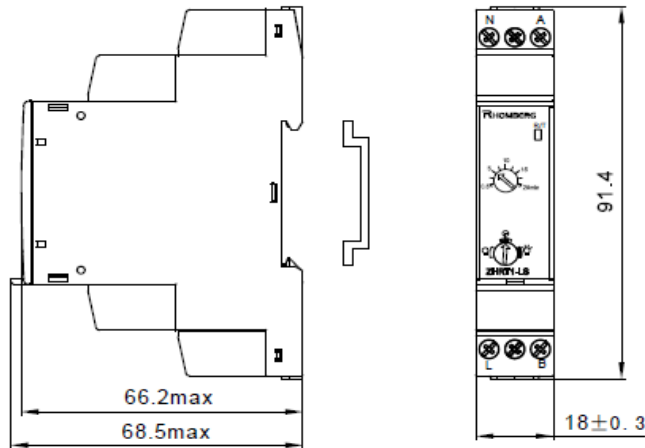
BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

NATIONAL CALL CENTRE

Sales	010 202 3400
Technical	010 202 3500

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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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