



General

■ Applications

-It is used for delayed switching of lights in the corridors, entrances, stairways, halls or for delayed switch of fans (WC, bathroom, etc.).

■ Function Features

-Operating system switch:

ON - output is constantly ON .

AUTO - timing according to adjusting by potentiometer in range 0.5 - 20 min

OFF - output is constantly OFF.

-Voltage range: AC 230 V, clamp terminals.

- Relay status is indicated by LED.

- 1-MODULE,DIN rail mounting.

■ Model and connotation

GRT8 -LS / □

Rated control supply voltage:

A230:AC230V

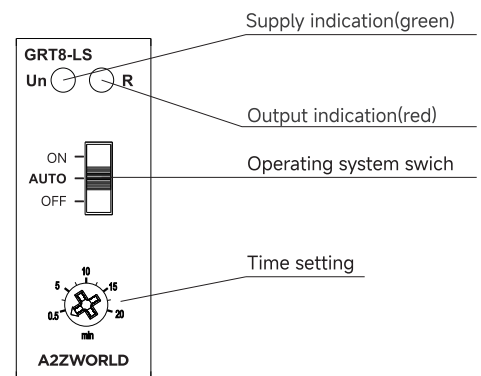
Stairase Switch

GRT8 Series

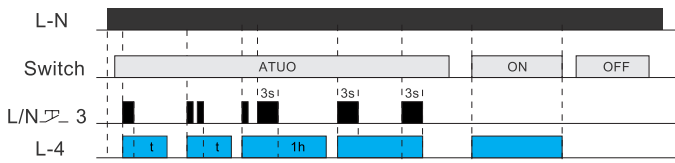
Technical parameters

Technical parameters	GRT8-LS
Function	delay o reacting to contact switching
Supply terminals	L-N
Voltage range	AC 230V(50-60Hz)
Power input	AC max.1.2VA/0.8W
Supply voltage tolerance	-15%;+10%
Supply indication	green LED
Time ranges	AUTO:0.5-20min ON OFF
Time setting	potentionmeter
Time deviation	10%-mechanical setting
Repeat accuracy	0.2%-set value stability
Minimum power time	200ms
Glow tubes connetions	Yes(N-3 or L-3)
Max.amount of glow lamps	230V,max.75pcs(Measured with glow lamp 0.68mA/230V AC)
Temperature coecient	0.05% /°C,at=20°C(0.05%°F, at=68°F)
Output	1×SPST
Current rating	16A/AC1
Switching voltage	250VAC/24VDC
Min.breaking capacity DC	500mW
Output indication	red LED
Mechanical life	1×10 ⁷
Electrical life(AC1)	1×10 ⁵
Reset time	max.200ms
Operating temperature	-20°C to +55°C (-4°F to 131 °F)
Storage temperature	-35°C to +75°C (-22°F to 158 °F)
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Overvoltage cathegory	III.
Pollution degree	2
Max. cable size(mm ²)	solid wire max.1×2.5or 2×1.5/with sleeve max.1×2.5(AWG 12)
Tightening torque	0.8Nm
Dimensions	90×18×64mm
Weight	61g
Standards	EN 61812-1,IEC 60669-2-3,IEC60947-5-1

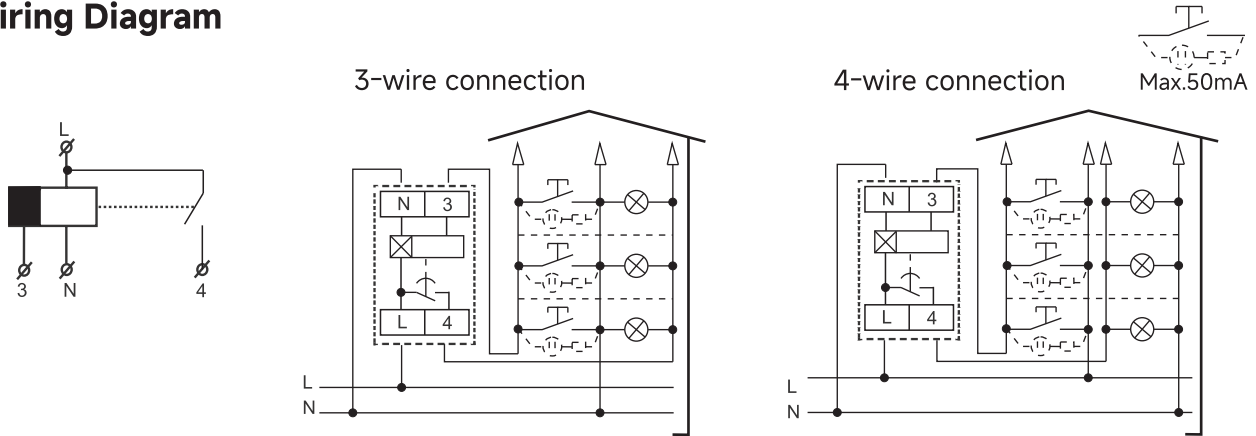
Panel Diagram



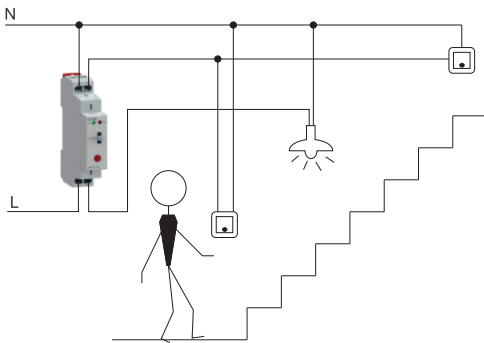
Functions Diagram



Wiring Diagram



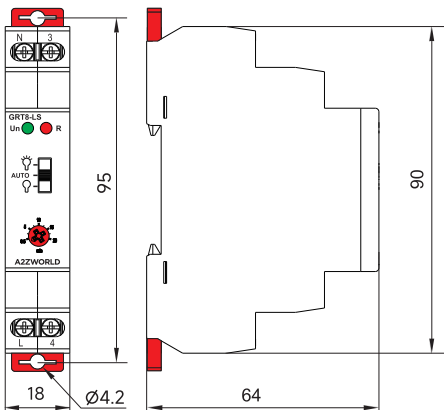
Example



Types of lamps

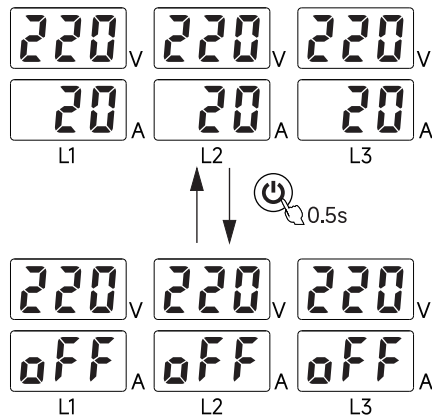
2000W	2000W	1000W	900W(125uF)	400W	300W

Dimensions(mm)



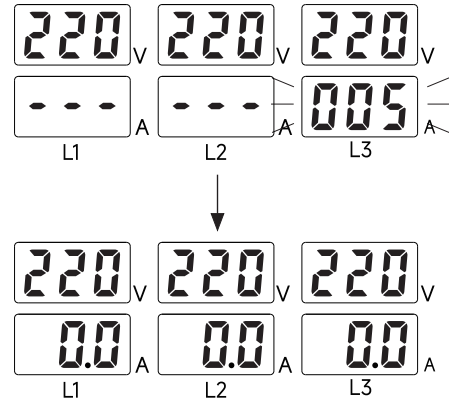
Open and close manually

Under normal operation, the load can be switched on or off manually by pressing the power key for 0.5 seconds.



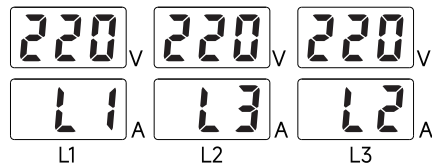
Power-on and reset delay

During the power-on and fault reset of the product, the product will count down and display according to the set delay time, and will enter the running state when the countdown ends.



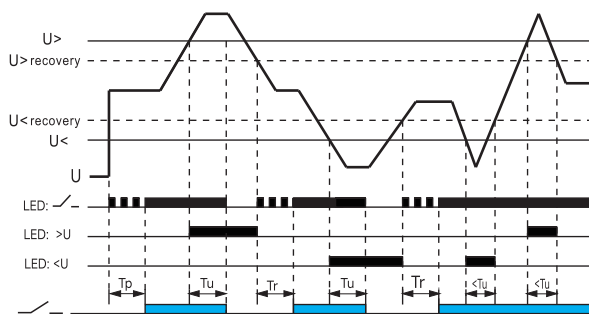
Phase sequence fault

When the phase sequence protection function is turned on, the error of phase sequence access will be prompted as shown in the following figure.

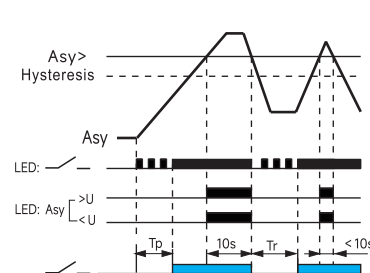


Functions Diagram

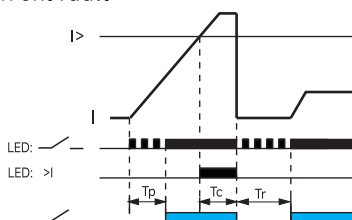
Overvoltage or undervoltage fault



Voltage imbalance fault



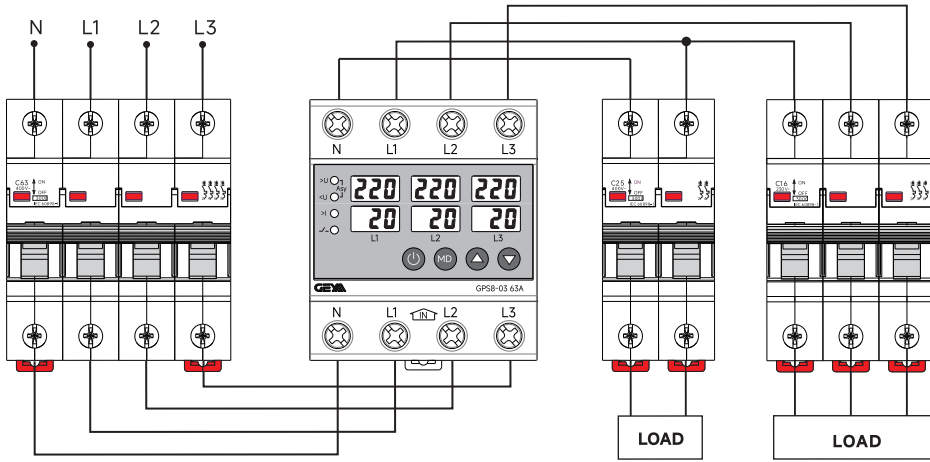
Overcurrent fault



- Tp: Power-up delay(2-600s)
- Tr: Reset delay time(2-900s)
- Tu: Over/under voltage fault action time(0.1-10s)
- Tc: Overcurrent fault action time(2-600s)



Example



NOTE:
This product does not have isolation function. Please disconnect the superior MCB during maintenance!!!

Dimensions(mm)

GPS8-03

