

Right-Left(inverser) time relay GRT8-RL

Instruction Manual



General

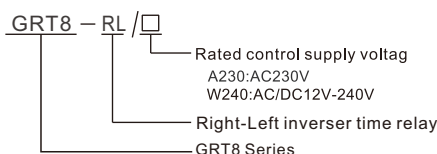
■Applications

-Right-Left(inverser) timer relay are used for 2 different loads,which works by turn.
First load starts working,stops and waits(off) and second load starts working.Both working time is same.

■Function Features

-The default is right load first. You can select left load first by shorting S-A1
-Time scale 0.1 s - 100 days divided into 10 time ranges:
(0.1 s - 1 s / 1 s - 10 s / 0.1 min - 1 min / 1 min - 10 min / 0.1 hrs - 1 h
/ 1 hrs - 10 hrs / 0.1 day - 1 day / 1 day - 10 days / 3 days - 30 days /
10 days - 100 days).
-Relay status is indicated by LED.
-1-MODULE,DIN rail mounting.

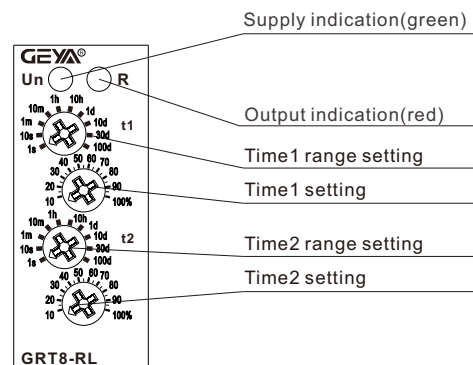
■Model and connotation



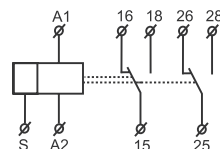
Technical parameters

Technical parameters	GRT8-RL
Function	Right-Left inverser time relay
Supply terminals	A1-A2
Voltage range	AC/DC 12-240V(50-60Hz)
Burden	W240 AC 0.09-3VA/DC 0.05-1.7W
Voltage range	A230 AC 230V(50-60Hz)
Power input	AC max.6VA/1.9W
Supply voltage tolerance	-15%;+10%
Supply indication	green LED
Time ranges	0.1s-10days
Time setting	potentionmeter
Time deviation	10%-mechanical setting
Repeat accuracy	0.2%-set value stability
Temperature coecient	0.05%/°C,at=20°C(0.05°F, at=68°F)
Output	2×SPDT
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	0.4Nm
Dimensions	90×18×64mm
Weight	W240-83g,A230-82g
Standards	EN 61812-1,IEC60947-5-1

Panel Diagram

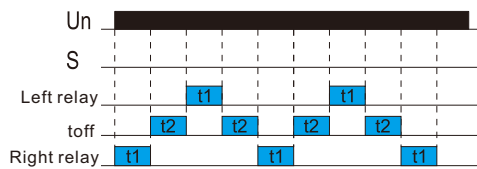


Wiring Diagram

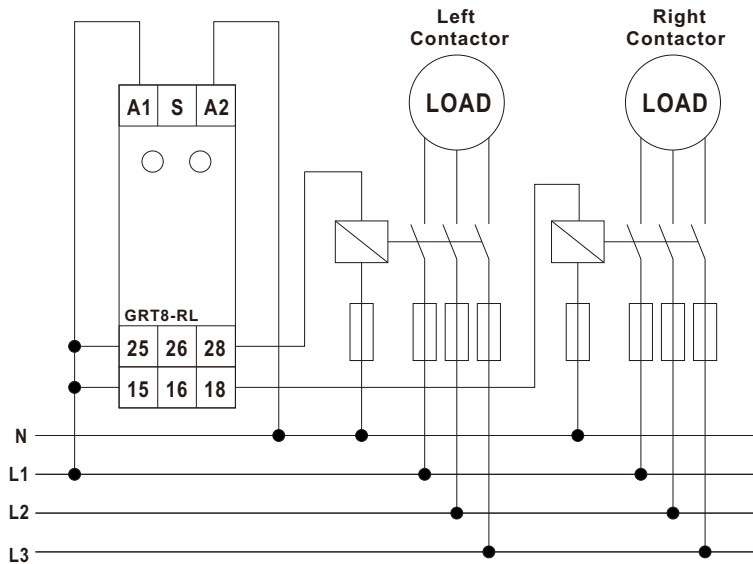
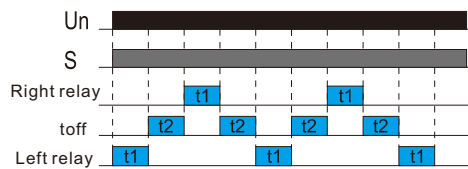


Functions Diagram

Right load first by disconnecting S-A1



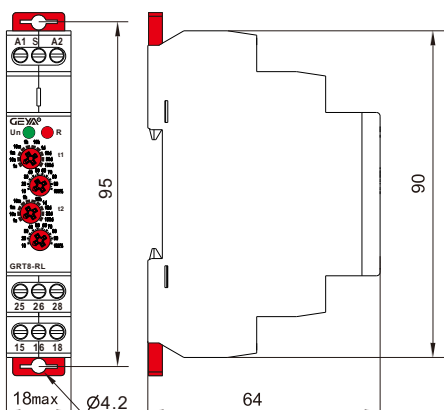
Left load first by connecting S-A1



Setting instructions

	Knob 1: delay gear setting, "s" for second, "m" for minute, "h" for hour, "d" for day.
	Knob 2: fine adjustment of delay time, 10% ~ 100% adjustable.
Delay time = knob 1 × knob 2. Example 1: it needs to be set for 5 seconds. You can set knob 1 to 10s, knob 2 to 50%, and delay time = 10s × 50% = 5s. Example 2: it needs to be set for 8 minutes. You can set knob 1 to 10m, knob 2 to 80%, and delay time = 10m × 80% = 8m.	

Dimensions(mm)



Disposal of Electrical Waste
All electrical waste should be disposed of in compliance with current WEEE regulations.



Caution
The products must be installed by qualified electricians. All and any electrical connections of the product shall comply with the appropriate safety standards.