Right-Left(inverser) time relay GRT6-RL
Instruction Manual

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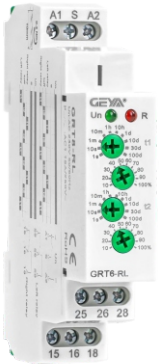


General

■Applications

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

■Function Features

-The default is right load rst. You can select left load rst by shorting S-A1
-Time scale 0.1 s - 100 days devided 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

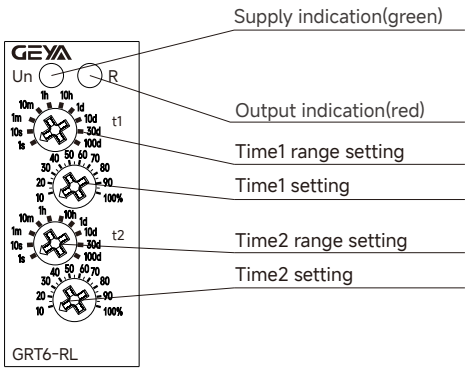
GRT6 — RL /□

- Rated control supply voltag
  - A230:AC230V
  - S240:AC/DC24V-240V
- Right-Left inverser time relay
- GRT6 Series

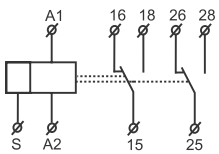
Technical parameters

Technical parameters		GRT6-RL
Function		Right-Left inverser time relay
Supply terminals		A1-A2
Voltage range	S240	AC/DC 24-240V(50-60Hz)
Burden	S240	AC 0.7-3VA/DC 0.5-1.7W
Voltage range	A230	AC 230V(50-60Hz)
Power input	A230	AC max.6VA/1.9W
Supply voltage tolerance		-15%;+10%
Supply indication		green LED
Time ranges		0.1s-100days
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		10A/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		S240-67g,A230-70g
Standards		EN 61812-1,IEC60947-5-1

Panel Diagram

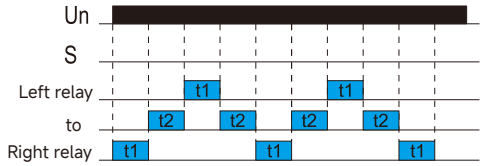


Wiring Diagram

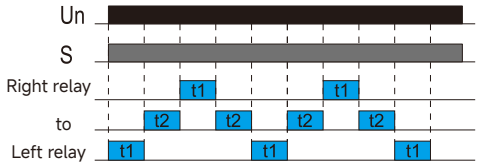


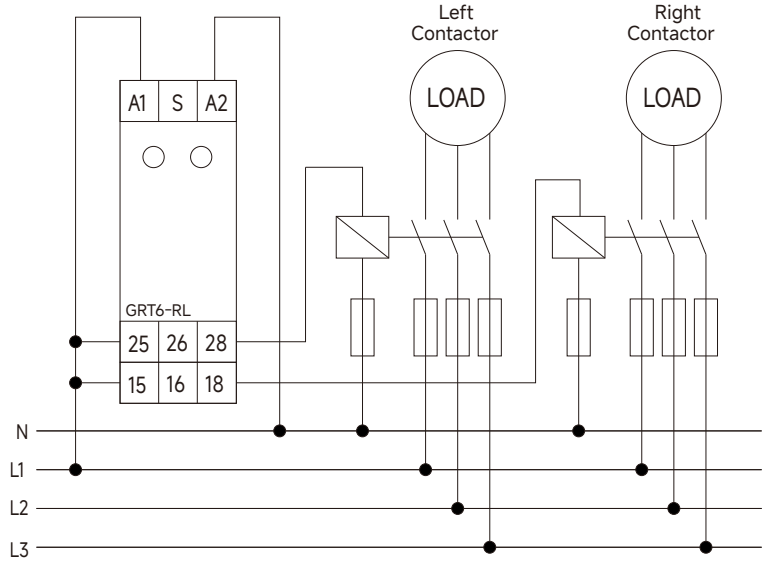
Functions Diagram

Right load rst by disconnecting S-A1

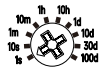


Left load rst by connecting S-A1



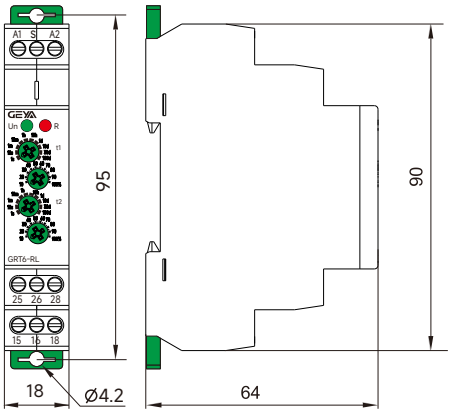


Setting instructions

	Knob 1: delay gear setting, “s” for second, “m” for minute, “h” for hour, “d” for day.
	Knob 2: ne 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.