

Pulse output time relay GRT6-P

Instruction Manual

General

■Applications

-It is used to delay and generate a pulse, which is used to delay the connection of a load for a period of time.

■Function Features

- Separate delay time and pulse width setting can set different delay time.
- Time scale 0.1 s - 100 days.
- The delay time can be reset by shorting S-A1.
- With AC/DC 24V-240V ultra wide operating voltage specifications are optional.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

■Model and connotation

GRT6 - P □/□

Rated control supply voltage

A230:AC230V
S240:AC/DC24V-240V

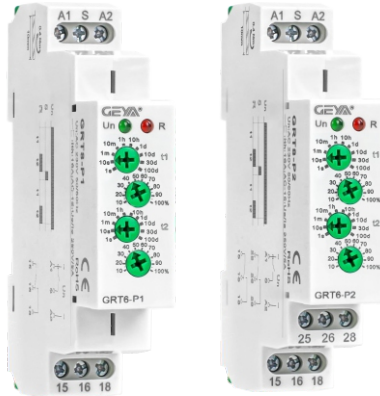
Number of contacts

1:1×SPDT

2:2×SPDT

Pulse output time relay

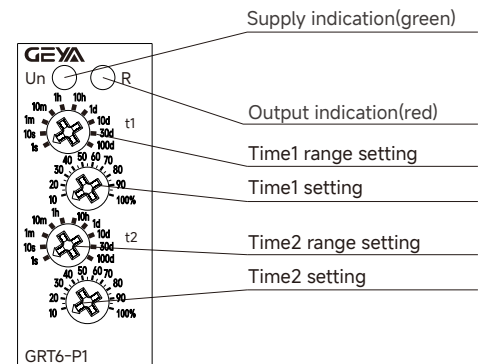
GRT6 Series



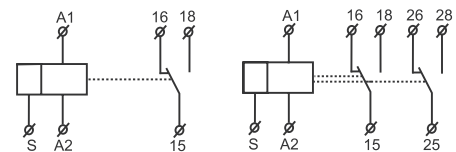
Technical parameters

Technical parameters	GRT6-P1	GRT6-P2
Function	Pulse output time relay	
Supply terminals	A1-A2	
Voltage range	AC/DC 24-240V(50-60Hz)	
Burden	AC 0.7-3VA/DC 0.5-1.7W	
Voltage range	AC 230V(50-60Hz)	
Power input	AC max.6VA/1.3W	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	1×SPDT	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)	
Dimensions	90×18×64mm	
Weight	1×SPDT:S240-53g,A230-65g	2×SPDT:S240-67g,A230-70g
Standards	EN 61812-1,IEC60947-5-1	

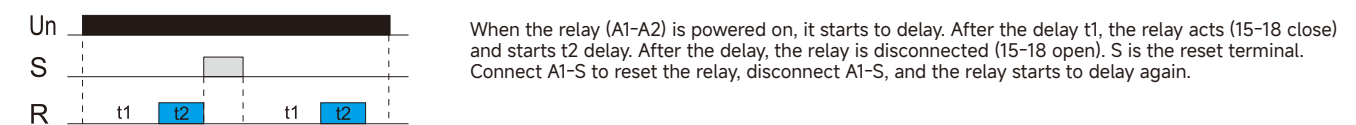
Panel Diagram



Wiring Diagram



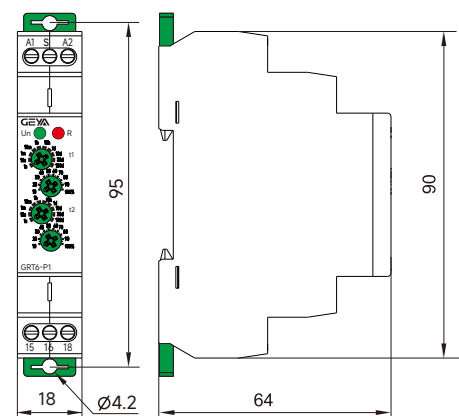
Functions Diagram



Setting description

	Delay range setting, s = seconds, m = minutes, h = hours and d = days.
	Delay time adjustment, 10% ~ 100% adjustable.
Example 1: Set a delay of 10 seconds after power on, and then the relay acts for 2 seconds and then turns o . Setting method: set knob 1 to 10s, knob 2 to 100%, and delay time t1 = 10s × 100%=10s。 set knob 3 to 10s, knob 4 to 20%, and the delay time t2 = 10s × 20%=2s。 Example 2: Set a delay of 5 minutes after power on, and then the relay acts for 30 minutes and then turns o . Setting method: set knob 1 to 10m, knob 2 to 50%, delay time t1 = 10m × 50%=5m。 set knob 3 to 1h, knob 4 to 50%, and the delay time t2 = 1h × 50%=0.5h。	

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.