

Pulse output time relay GRT8-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 12V-240V ultra wide operating voltage specifications are optional.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

Model and connotation

GRT8 - P □/□

Rated control supply voltage

A230:AC230V

W240:AC/DC12V-240V

Number of contacts

1:1×SPDT

2:2×SPDT

Pulse output time relay

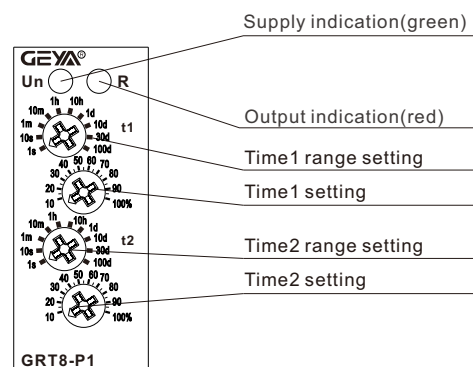
GRT8 Series



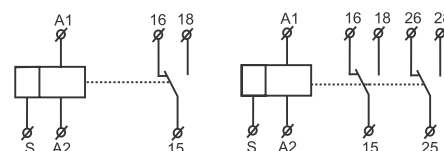
Technical parameters

Technical parameters	GRT8-P1	GRT8-P2
Function	Pulse output after time delay	
Supply terminals	A1-A2	
Voltage range	AC/DC 12-240V(50-60Hz)	
Burden	AC 0.09-3VA/DC 0.05-1.7W	
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-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	1×SPDT	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	1×SPDT:W240-63g,A230-62g 2×SPDT:W240-83g,A230-82g	
Standards	EN 61812-1,IEC60947-5-1	

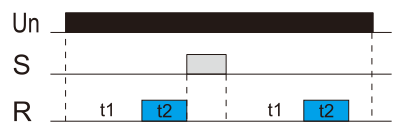
Panel Diagram



Wiring Diagram



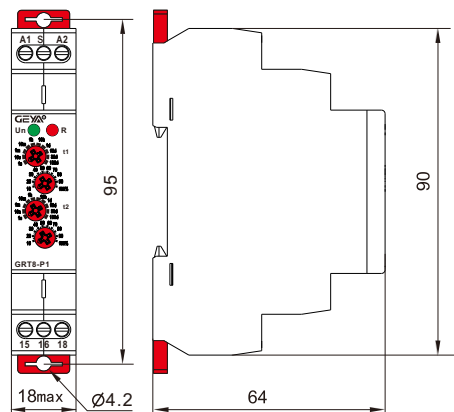
Functions Diagram



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.