

General

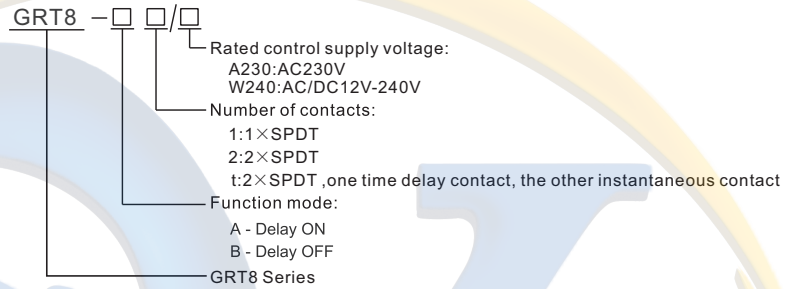
Applications

- Suitable for applications where function and time requirements are know.
- Time switch , possible to be used for pump decay time after switching heating off , switching of fans.

Function Features

- Single-function relay with possibility of time setting by a potentiometer.
- Choice of 2 functions:
A:Delay ON
B:Delay OFF
- Time scale 0.1 s - 10 days divided into 10 ranges..
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

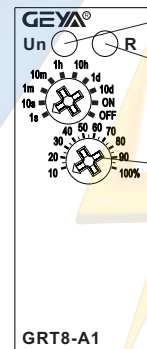
Model and connotation



Technical parameters

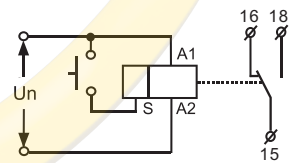
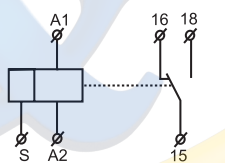
Technical parameters	GRT8-A1/B1	GRT8-A2/B2	GRT8-At/Bt
Function	A:delay ON;B:delay OFF		
Supply terminals	A1-A2		
Voltage range	W240	AC/DC 12-240V(50-60Hz)	
Burden		AC 0.09-3VA/DC 0.05-1.7W	
Voltage range	A230	AC 230V(50-60Hz)	
Power input		AC max.6VA/1.3W	AC max.6VA/1.9W
Supply voltage tolerance	-15%;+10%		
Supply indication	green LED		
Time ranges	0.1s-10days,ON,OFF		
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	1×SPDT(del)+1×SPDT(ins)
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	W240-61g,A230-61g	W240-81g,A230-80g	
Standards	EN 61812-1,IEC60947-5-1		

Panel Diagram

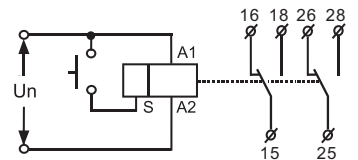
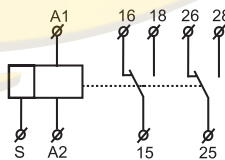


Wiring Diagram

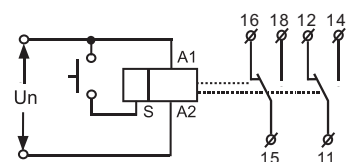
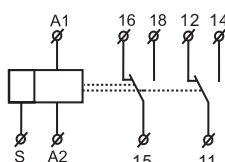
GRT8-A1/B1



GRT8-A2/B2

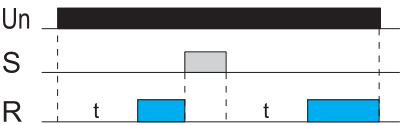


GRT8-At/Bt

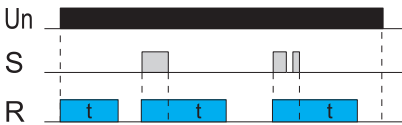


Functions Diagram

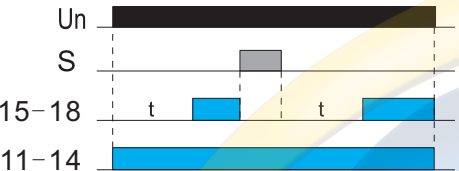
A - Delay ON



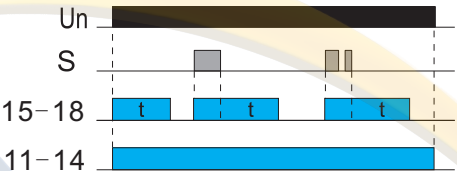
B - Delay OFF



At-Delay ON + Instantaneous contact



Bt-Delay OFF + Instantaneous contact



Time Setting

	Knob 1: delay gear setting, "s" for second, "m" for minute, "h" for hour, "d" for day, "ON" for relay action (15-18/25-28 closed), "OFF" for relay open (15-18/25-28 open).
	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)

