



General

■ Applications

-It is used for regular room ventilation, cyclic dehumidification, light control, circulating pumps, noon signs, etc.

■ Function Features

-2 time functions:

- Cycler beginning with pulse
- Cycler beginning with pause

-Function choice is done by an external jumper of terminals S-A1.

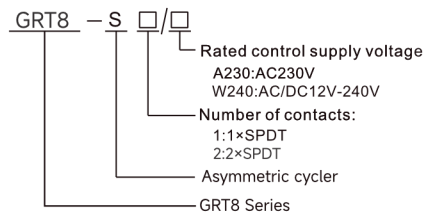
-Time scale 0.1 s - 100 days divided into 10 time ranges:

(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.

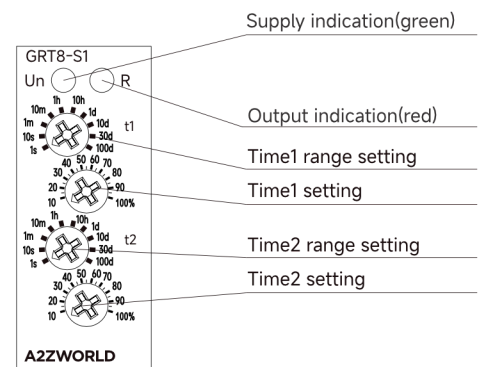
■ Model and connotation



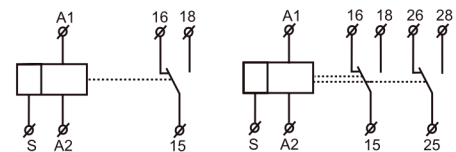
Technical parameters

Technical parameters	GRT8-S1	GJ21842
Function	Asymmetric cycler time relay	
Supply terminals	A1-A2	
Voltage range	W240	AC/DC 12-240V(50-60Hz)
Burden		AC 0.7-3VA/DC 0.5-1.7W
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-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	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

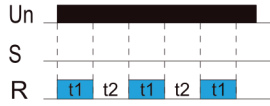


Wiring Diagram

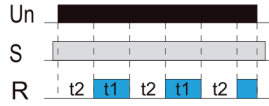


Functions Diagram

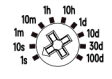

Cycler beginning with pulse



Cycler beginning with pause(jumper A1-S)



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.
<p>Delay time = knob 1 × knob 2.</p> <p>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.</p> <p>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.</p>	

Dimensions(mm)

