

Multifunction time relay GRT8-M

Instruction Manual

General

■ Applications

- Multifunction time relay can be used for electrical appliances, control of lights, heating, motors, pumps and fans (10 functions, 10 time ranges, multi-voltage).

■ Function Features

- 10 functions: - 5 time functions controlled by supply voltage
- 4 time functions controlled by control input
- 1 function of latching relay

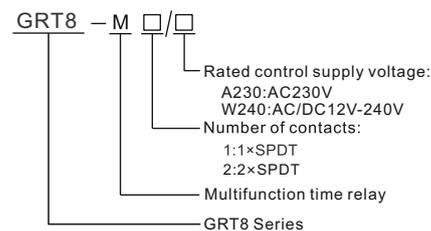
- Comfortable and well-arranged function and time-range setting by rotary switches.

- Time scale 0.1 s - 10 days divided into 10 ranges.

- Relay status is indicated by LED.

- 1-MODULE, DIN rail mounting.

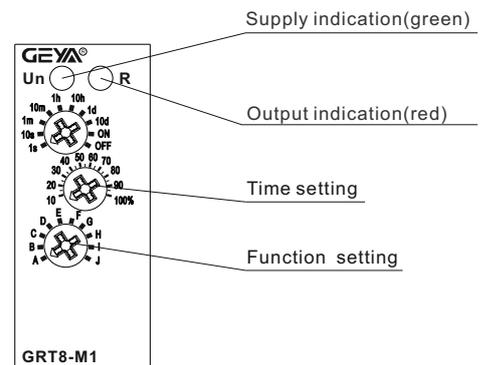
■ Model and connotation



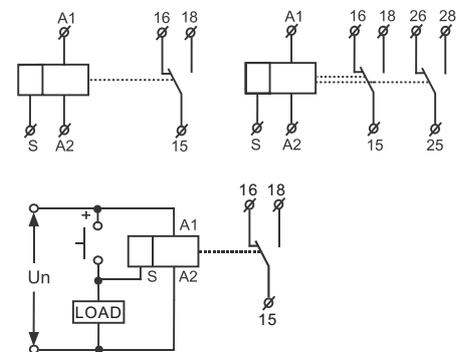
Technical parameters

Technical parameters	GRT8-M1	GRT8-M2
Function	A,B,C,D,E,F,G,H,I,J	
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,ON,OFF	
Time setting	potentionmeter	
Time deviation	10%-mechanical setting	
Repeat accuracy	0.2%-set value stability	
Temperature coeicient	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 ⁶	
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: W240-62g,A230-60g	2×SPDT: W240-82g,A230-81g
Standards	EN 61812-1,IEC60947-5-1	

Panel Diagram



Wiring Diagram



It is possible to connect load between S-A2 (e.g contactor , control of light or any other device, without disturbing a correctgunction of relay(load is energized while the switch is ON.)

