

Extended multifunction time relay GRT6-N

Instruction Manual

General

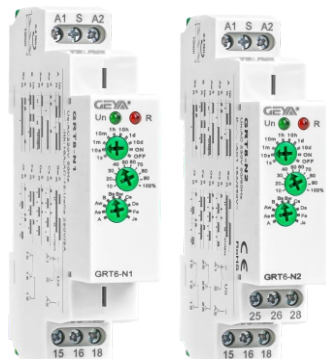
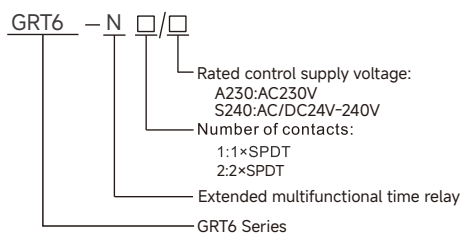
■ Applications

-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: - 8 time functions controlled by supply voltage
- 2 time functions controlled by control input
- 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.

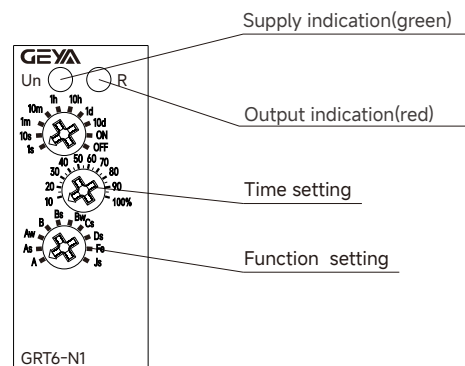
■ Model and connotation



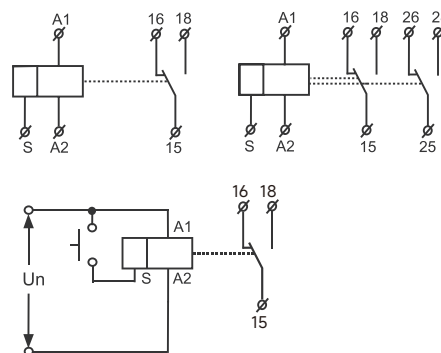
Technical parameters

Technical parameters	GRT6-N1	GRT6-N2
Function	A,As,Aw,B,Bs,Bw,Cs,Ds,Fe,Js	
Supply terminals	A1-A2	
Voltage range	S240	AC/DC 24-240V(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-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
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)	
Tightening torque	0.4Nm	
Dimensions	90×18×64mm	
Weight	1×SPDT:S240-53g,A230-55g 2×SPDT:S240-66g,A230-69g	
Standards	EN 61812-1,IEC60947-5-1	

Panel Diagram



Wiring Diagram



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