

Memory&Latching relay GRM8

Instruction Manual



General

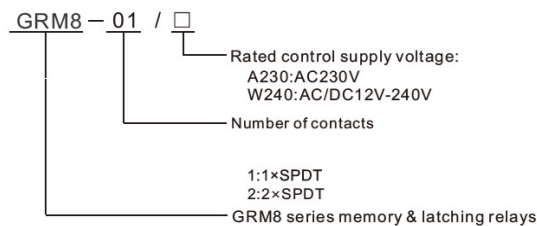
■ Applications

-latching relay, controlled by buttons from several loacations can replace three way switches or cross bar switches thanks to control by buttons(un-limited number,connected inparallel by 2 wires),installation gets more transparent and faster for mounting.

■ Function Features

- Voltage range: AC 230 V,AC/DC12V-240V clamp terminals.
- Relay statUn is indicated by LED.
- 1-MODULE,DIN rail mounting.

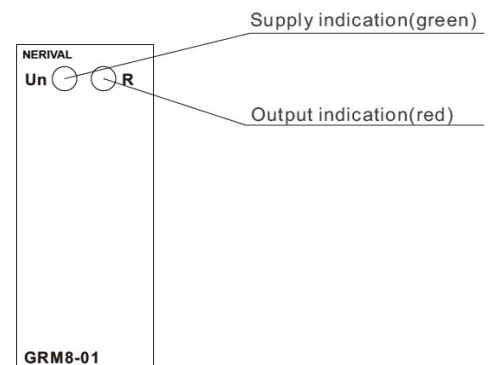
■ Model and connotation



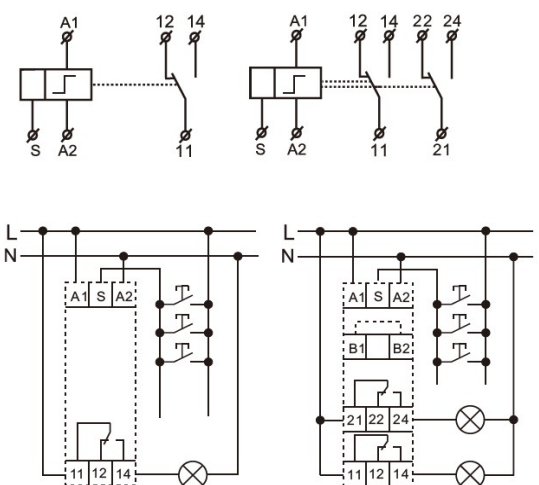
Technical parameters

Technical parameters	GRM8-01	GRM8-02
Number of function	1	2
Supply terminals	A1-A2	
Voltage range	AC/DC 12-240V(50-60Hz)	
Burden	AC 0.09-3VA/DC 0.05-1.2W	
Voltage range	AC 230V(50-60Hz)	
Power input	AC max.12VA/1.3W	AC max.12VA/1.9W
Supply voltage tolerance	-15%;+10%	
Supply indication	green LED	
Control terminals	A1-S	
Glow tubes connetions	Voltage range: AC 230V Yes(A1-S)	
Max.amount of glow lamps	230V,max.75 pcs(Measured with glow lamp 0.68mA/230V AC)	
Impulse length	min.25ms	
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)	
Dimensions	90×18×64mm	
Tightening torque	0.4Nm	
Weight	1×SPDT: W240-60g,A230-59g 2×SPDT: W240-84g,A230-82g	
Standards	EN 61810-1	

Panel Diagram

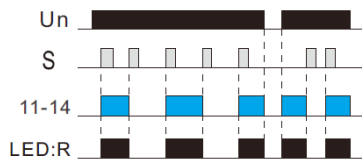


Wiring Diagram

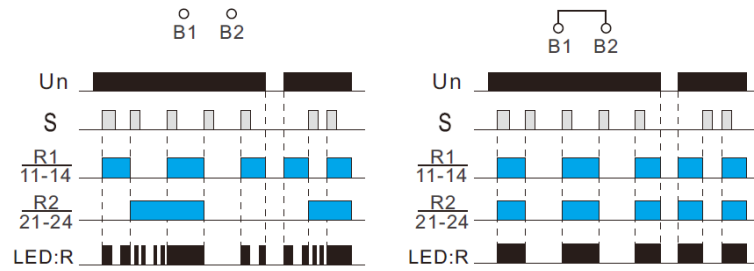


Functions Diagram

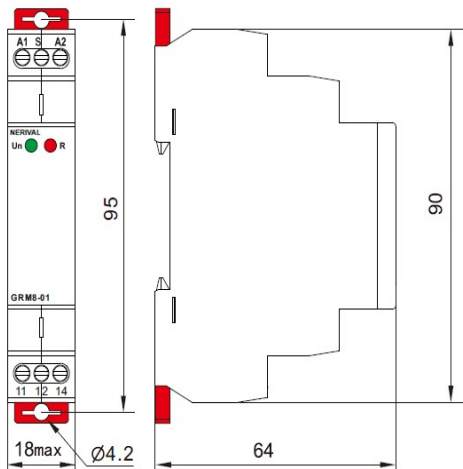
GRM8-01



GRM8-02

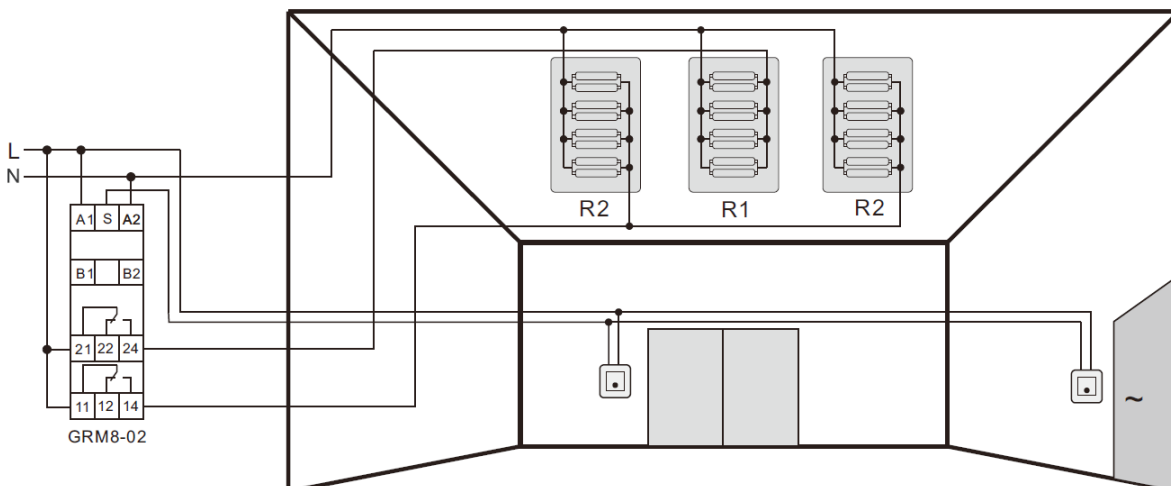


Dimensions(mm)



Example

Example of lighting system which allows control of light intensity by actuating one of the sections R1 and R2 from any location in the room.



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.