

Temperature control relay GRW8

Instruction Manual



General

■Applications

-Can be used for monitoring temperature e.g. in switchboards, heating systems, cooling systems, liquids, radiators, motors, devices, open spaces, etc..

■Function Features

- Function of short-circuit or sensor disconnection monitoring.
- Possibility to set function "heating"/"cooling".
- It is possible to place sensor directly on terminal block – for temperature monitoring in a switchboard or in its surroundings
- Universal supply AC/DC 24V- 240 V.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

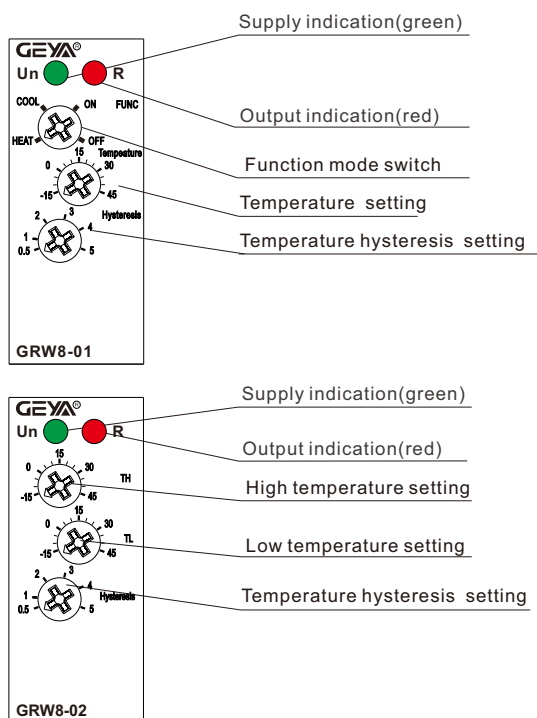
■Model and connotation



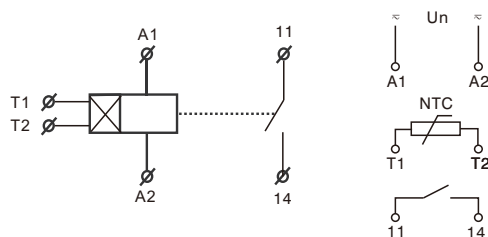
Technical parameters

Technical parameters	GRW8-01	GRW8-02
Function	Temperature control	Temperature range control
Supply terminals	A1-A2	
Rated supply voltage	AC/DC 24V-240V	
Rated supply frequency	50/60Hz	
Burden	max 2VA	
Supply voltage tolerance	-15%;+10%	
Temperature range	-15°C to +45°C	
Hysteresis	0.5°C to 5°C	
Supply indication	green LED	
Tolerance sensor	±5%	
Output	1×SPST	
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	
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 category	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	0.8Nm	
Dimensions	90×18×64mm	
Weight	64g	

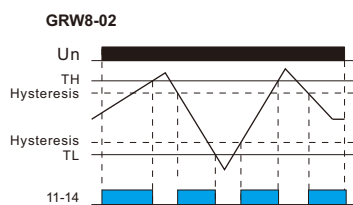
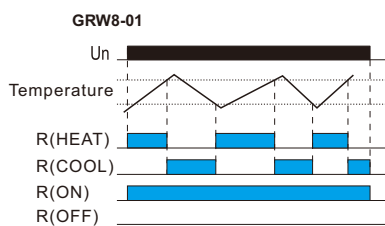
Panel Diagram



Wiring Diagram

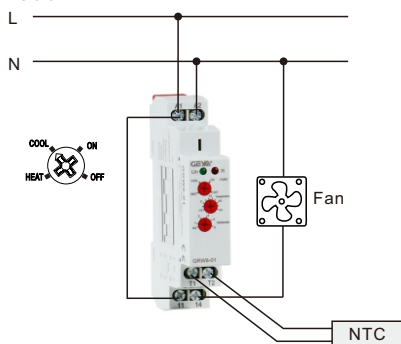


Functions Diagram

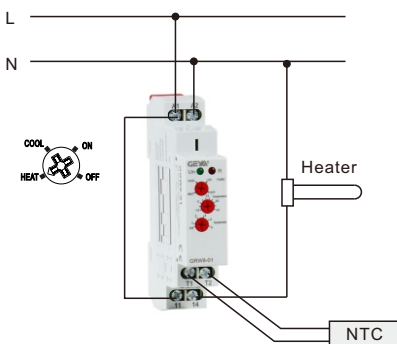


Example

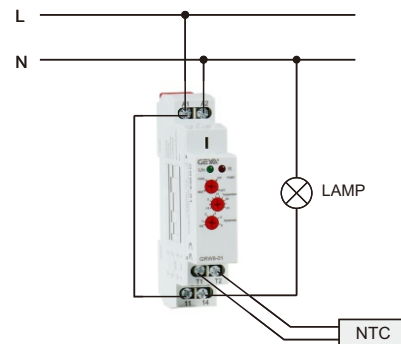
GRW8-01
COOL



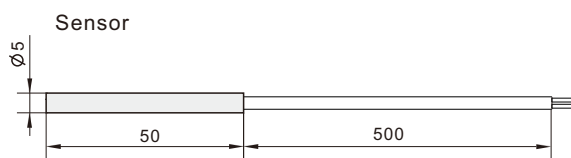
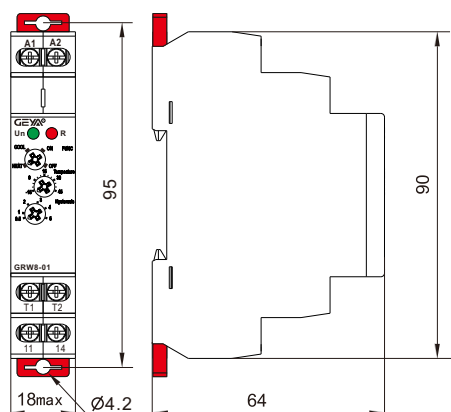
GRW8-01
HEAT



GRW8-02



Dimensions(mm)



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.

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