



### General

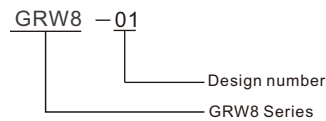
#### ■Applications

-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.

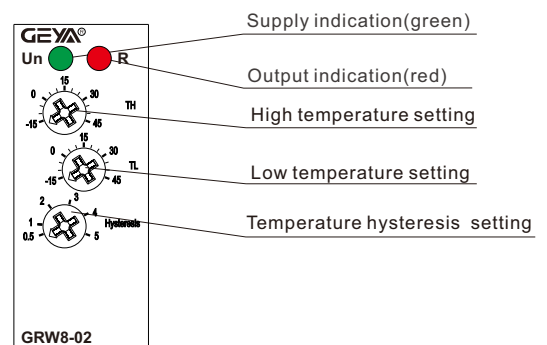
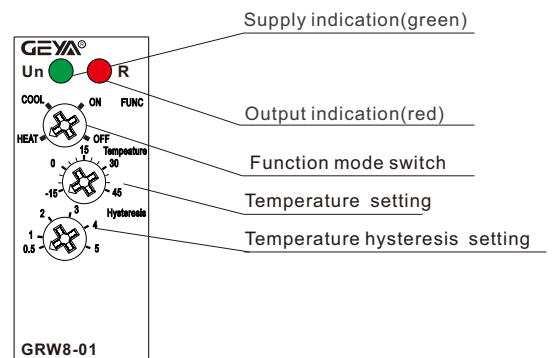
#### ■Model and connotation



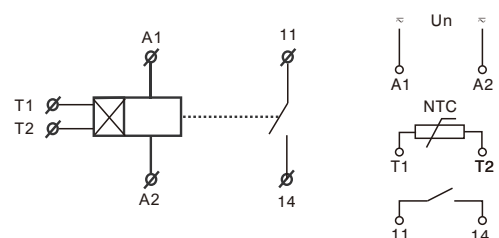
### Technical parameters

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 <sup>7</sup>	
Electrical life(AC1)	1×10 <sup>5</sup>	
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 <sup>2</sup> )	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	

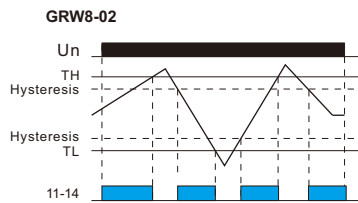
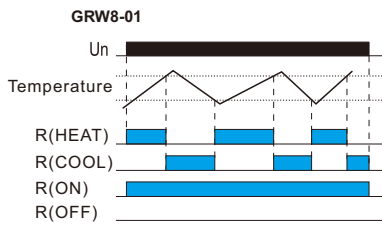
### Panel Diagram



### Wiring Diagram

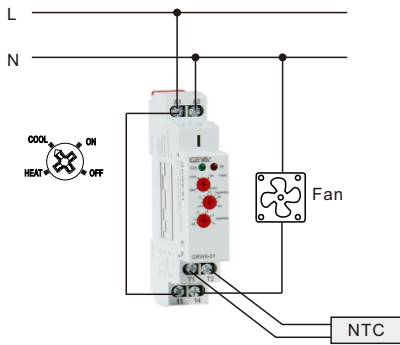


# Functions Diagram

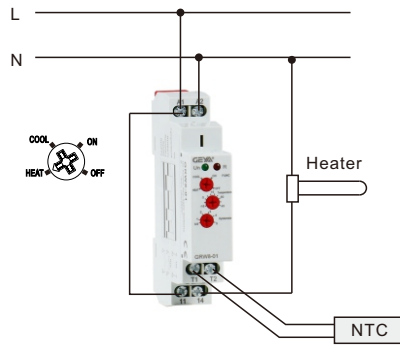


## Example

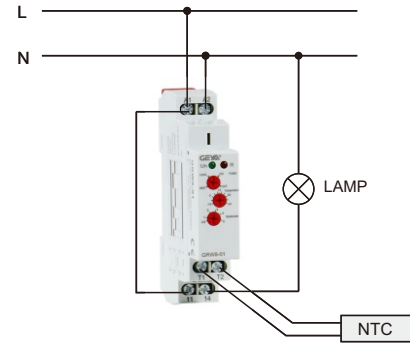
GRW8-01  
COOL



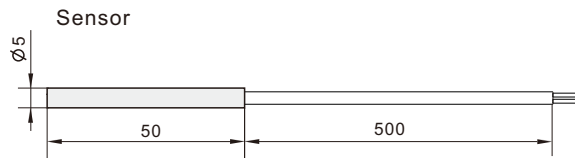
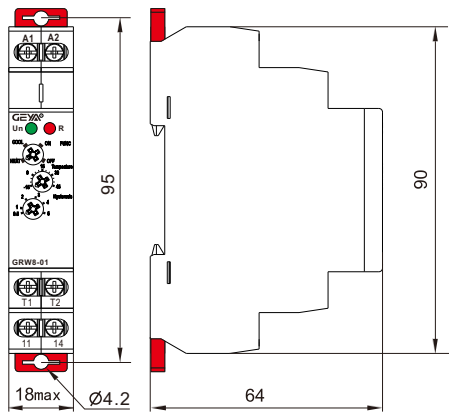
GRW8-01  
HEAT



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.

<http://www.geya.net>