Temperature control relay

Applications

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

Feature

-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.

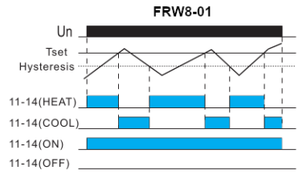
Model and connotation

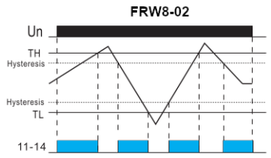
GRW8 – □
- □: Design number
  - 01: Temperature control
  - 02: Temperature range control
- GRW8: GRW8 Series

Technical parameters

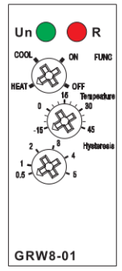
	GRW8-01	GRW8-02
Function	Temperature control	Temperature range control
Supply terminals	A1-A2	
Rated supply voltage	AC/DC 24V-240V	
Rated supply frequency	50/60Hz	
Burden	max 2VA	
Supply voltage tolerance	-15%;+10%	
Temperature range	-15℃ to +45℃	
Hysteresis	0.5℃ to 5℃	
Supply indication	green LED	
Measurement accuracy	±2℃	
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℃ to +55℃ （-4°F to 131°F）	
Storage temperature	-35℃ to +75℃ （-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	62g	
Standards	EN 60255-1	

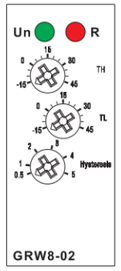
Functions Diagram



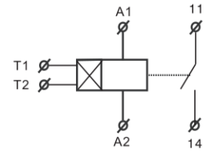


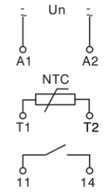
Panel Diagram



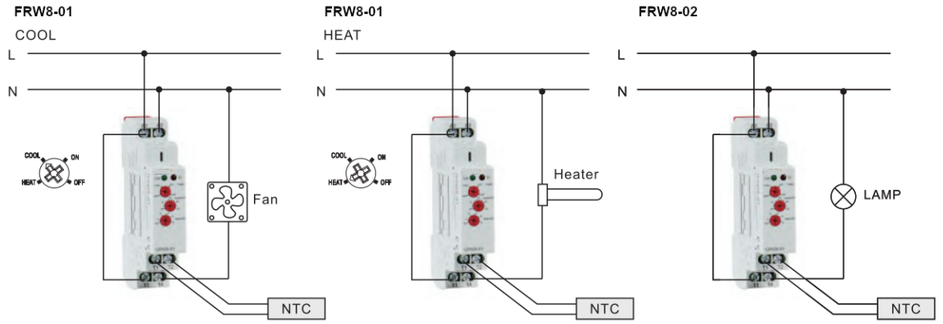


Wiring Diagram





Example



Dimensions(mm)