

Current monitoring relay



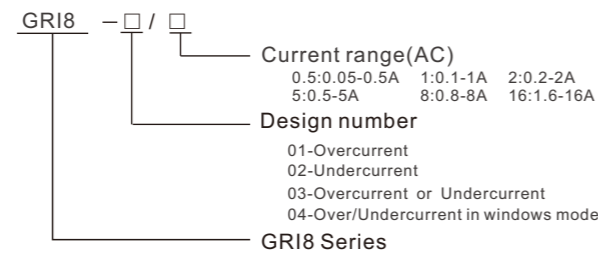
Applications

-Serves for monitoring of heating in rail-switches, heating cables, consumption of one-phase motors, indicates current flow.

Feature

- Adjustable delay 0.1 - 10 s to eliminate short current peaks.
- Flexible adjustment by potentiometer, choice of 6 ranges:
AC 0.05-0.5A; AC 0.1-1A; AC 0.2-2A; AC 0.5-5A; AC 0.8-8A; AC 1.6-16A
- Power up delay.
- Possible to use for current scanning from current transformer.
- Universal supply AC/DC 24 - 240 V.
- Relay status is indicated by LED.
- 1-MODULE, DIN rail mounting.

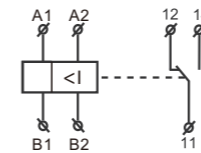
Model and connotation



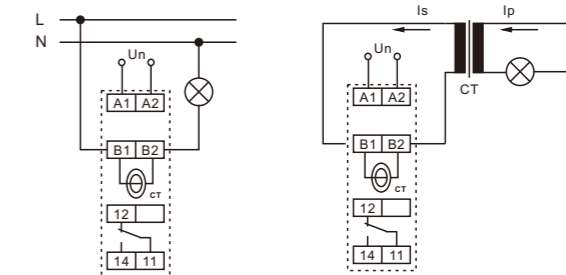
Technical parameters

	GRI8-01	GRI8-02	GRI8-03	GRI8-04
Function	Over current	Under current	Over Under current	Over/Under current
Supply terminals	A1-A2			
Rated supply voltage	AC/DC 24V-240V			
Rated supply frequency	50/60Hz,0			
Burden	max 25VA			
Supply voltage tolerance	-15%;+10%			
Current range	0.05A-0.5A	0.1A-1A	0.5A-5A	0.8A-8A 1.6A-16A
Current frequency	AC 50Hz			
Max.operating current	1A	2A	8A	12A 22A
Current adjustment	potentiometer			
Time delay	adjustable 0.1-10 s			
Power up delay	adjustable 0.1-10 s			
Supply indication	green LED			
Setting accuracy	10 %			
Repeat accuracy	<1 %			
Temperature dependancy	<0.1 % /°C			
Limit values tolerance	5 % (10% for 0.05-0.5A range)			
Hysteresis	5 %			
Temperature coefficient	0.05%/°C,at=20°C(0.05%/°F, at=68°F)			
Output	1×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			
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.			

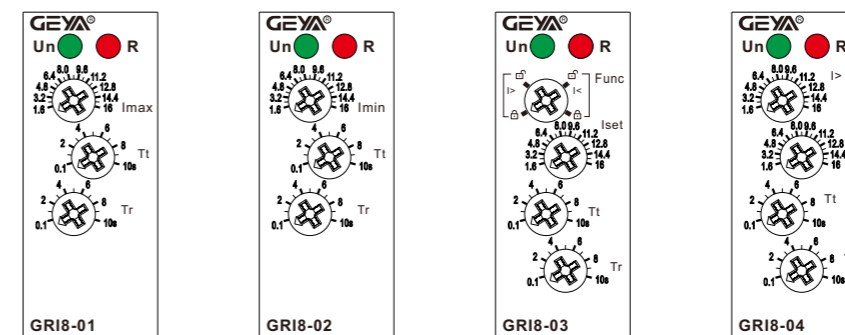
Wiring Diagram



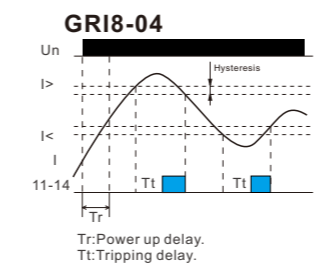
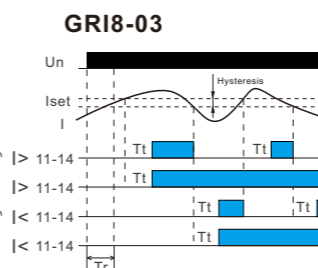
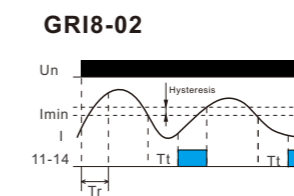
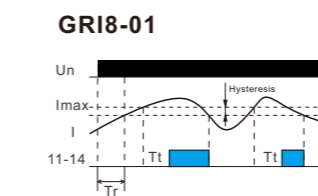
Pollution degree	2
Max.cable size(mm ²)	solid wire max.1×2. 5or 2×1. 5/with sleeve max.1×2. 5(AWG 12)
Dimensions	90×18×64mm
Weight	62g
Standards	EN 60255-1



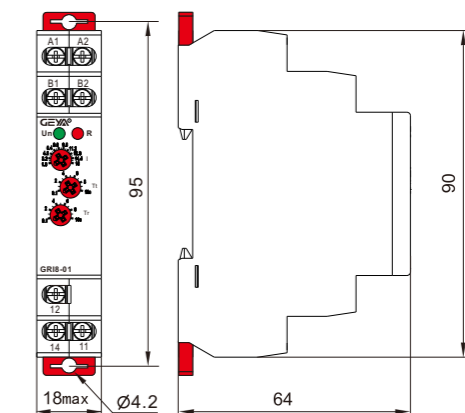
Panel Diagram



Functions Diagram



Dimensions(mm)





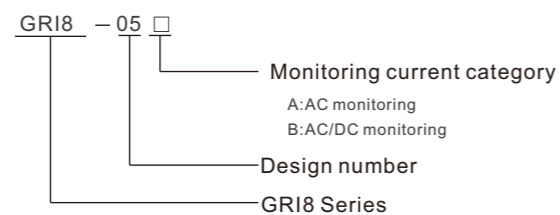
Applications

-Serves for monitoring of heating in rail-switches, heating cables, consumption of one-phase motors, indicates current flow.

Feature

- Through center design, no need to disconnect the current circuit, through center installation is convenient to use.
- Over / under current monitoring mode can be set by jumper.
- With AC and DC universal testing specifications optional.
- Isolation current transformer is adopted, and external current transformer can be connected to expand the monitoring current range.
- Universal supply AC/DC 24 - 240 V.
- Relay status is indicated by LED.
- 1-MODULE, DIN rail mounting.

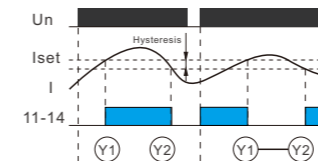
Model and connotation



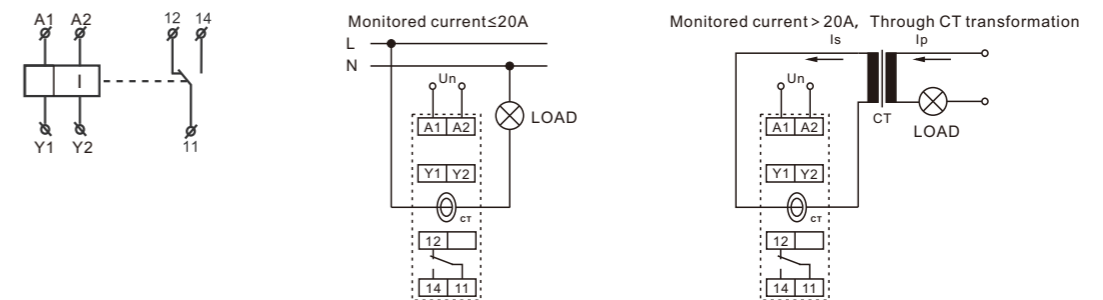
Technical parameters

	GRI8-05A	GRI8-05B
Function	AC measurement	AC/DC measurement
Supply terminals	A1-A2	
Rated supply voltage	AC/DC 24V-240V	
Rated supply frequency	50/60Hz,0	
Burden	max 25VA	
Supply voltage tolerance	-15%;+10%	
Current range	2A-20A	2A-20A
Current frequency	AC 50Hz	AC 50Hz ,DC
Setting accuracy	potentiometer	
Supply indication	green LED	
Setting accuracy	10 %	
Hysteresis	5 %	
Output	1×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	
Operating temperature	-20°C ~+55°C	
Storage temperature	-35°C~+75°C	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP20	
Operating position	any	
Overvoltage category	III.	
Pollution degree	2	
Max.cable size(mm ²)	1×2.5mm ² 或 2×1.5mm ² 0.4N·m	
Dimensions	90mm×18mm×64mm	
Weight	64g	
Standards	EN 60255-1	

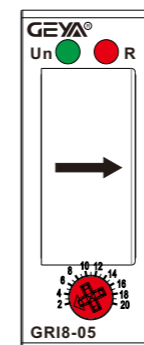
Functions Diagram



Wiring Diagram

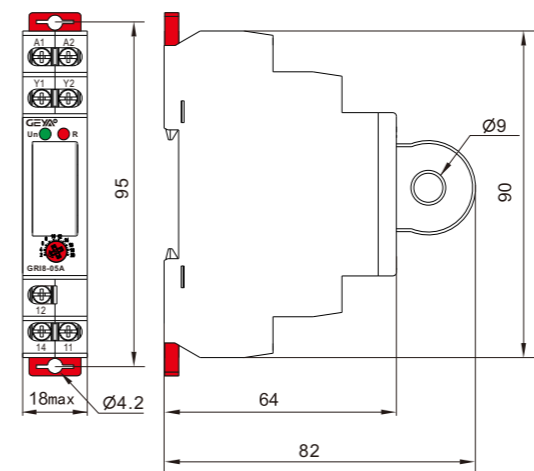


Panel Diagram

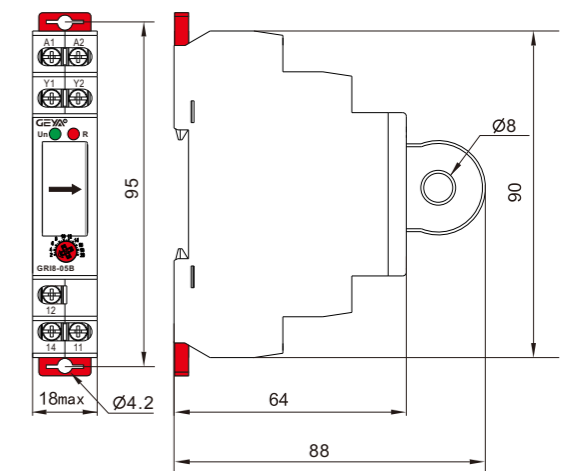


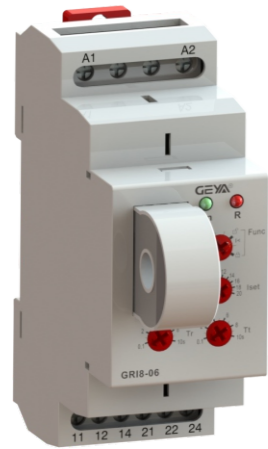
Dimensions(mm)

GRI8-05A



GRI8-05B





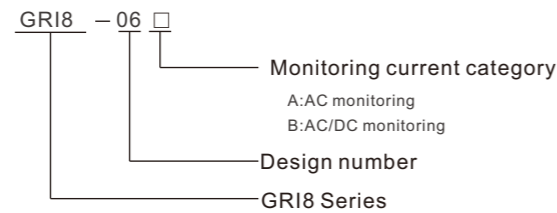
Applications

-Serves for monitoring of heating in rail-switches, heating cables, consumption of one-phase motors, indicates current flow.

Feature

- Through center design, no need to disconnect the current circuit, through center installation is convenient to use.
- Over / under current monitoring mode can be set by knob.
- With AC and DC universal testing specifications optional.
- Isolation current transformer is adopted, and external current transformer can be connected to expand the monitoring current range.
- 2 C/O output .
- Universal supply AC/DC 24 - 240 V.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

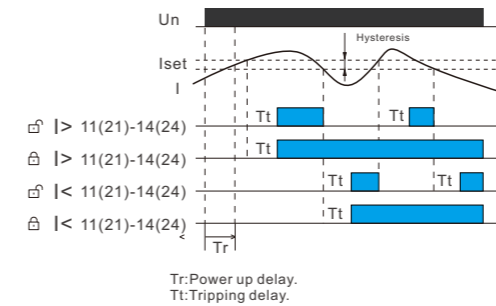
Model and connotation



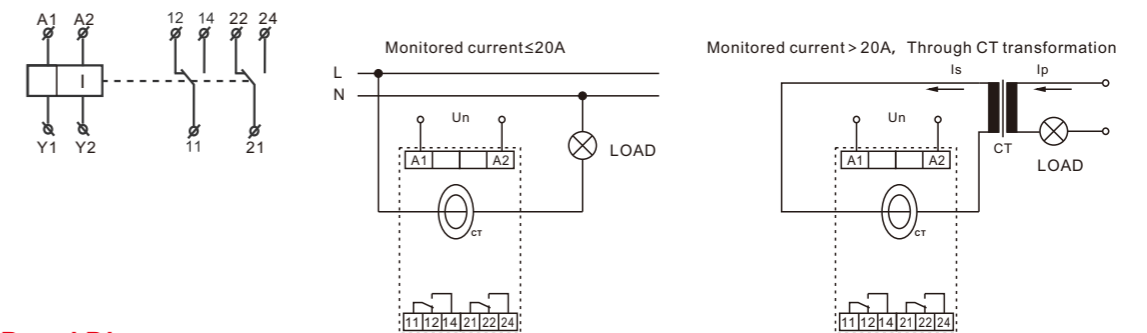
Technical parameters

	GRI8-06A	GRI8-06B
Function	AC measurement	AC/DC measurement
Supply terminals	A1-A2	
Rated supply voltage	AC/DC 24V-240V	
Rated supply frequency	50/60Hz,0	
Burden	max 25VA	
Supply voltage tolerance	-15%;+10%	
Current range	2A-20A	2A-20A
Current frequency	AC 50Hz	AC 50Hz ,DC
Setting accuracy	potentiometer	
Supply indication	green LED	
Setting accuracy	10 %	
Hysteresis	5 %	
Output	2×SPDT	
Current rating	8A/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 ~+55°C	
Storage temperature	-35°C~+75°C	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP20	
Operating position	any	
Overvoltage category	III.	
Pollution degree	2	
Max.cable size(mm ²)	1×2.5mm ² 2×1.5mm ² 4×0.4mm ²	
Dimensions	1×2.59mm×26mm×64mm	
Weight	90g	
Standards	EN 60255-1	

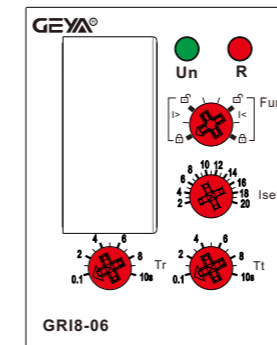
Functions Diagram



Wiring Diagram



Panel Diagram



Dimensions(mm)

