
RI8-01 / 0.5A


RI8-02 / 16A


RI8-03 / 16A


RI8-04 / 16A

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

RI8 – □ /□

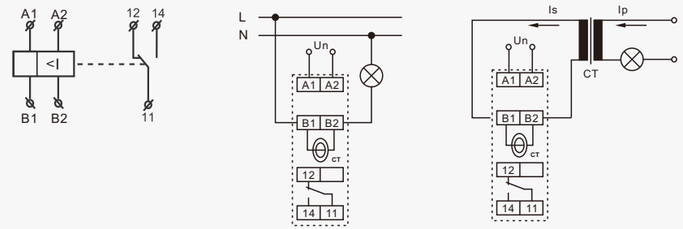
- □ Current range(AC)
  - 0.5:0.05-0.5A 1:0.1-1A 2:0.2-2A
  - 5:0.5-5A 8:0.8-8A 16:1.6-16A
- □ Design number
  - 01-Overcurrent
  - 02-Undercurrent
  - 03-Overcurrent or Undercurrent
  - 04-Over/Undercurrent in windows mode
- RI8 Series

Technical parameters

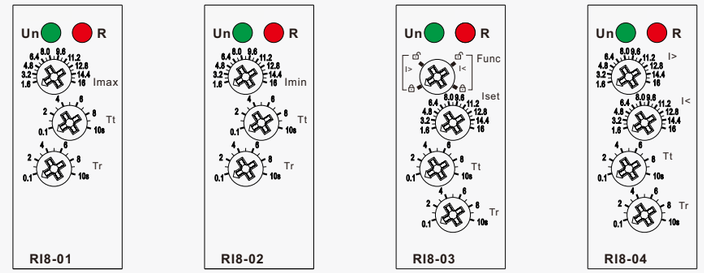
	RI8-01	RI8-02	RI8-03	RI8-04
Function	Over current	Under current	Over Under current	Over/Under current
supply terminals	A1-A2			
Rated supply voltage	AC/DC 24V-240V			
Rated supply frequency	50/60Hz,0			
Burden	max. 2VA			
Supply voltage tolerance	-15%;+10%			
Current range	0.05A-0.5A	0.1A-1A	0.2A-2A	0.5A-5A	0.8A-8A	1.6A-16A
Current frequency	AC 50Hz			
Max. operating current	2A	2A	4A	8A	12A	22A
Current adjustment	potentiometer			
Time delay	Adjustable: 0.1-10s			
Power up delay	Adjustable: 0.1-10s			
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 X SPDT			
Current rating	10A/AC1			
Switching voltage	250VAC/24VDC			
Min. breaking capacity DC	500mW			
Output indication	Red LED			
Mechanical life	$1x10^7$			
Electrical life(AC1)	$1x10^5$			
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.1x2,5or 2x1,5/with sleeve max.1x2.5(AWG 12)
Dimensions	90x 18x 64mm
Weight	62g
Standards	EN 60255-1

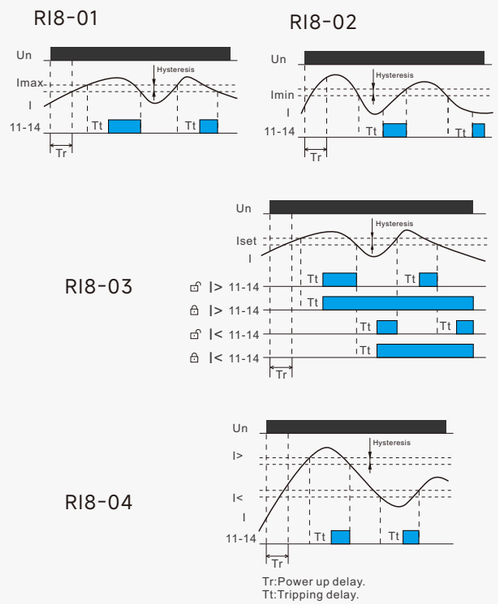
Wiring Diagram



Panel Diagram



Functions Diagram



Dimensions(mm)

