



# Current monitoring relay SCR

## Instruction Manual



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## General

### ■ Applications

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

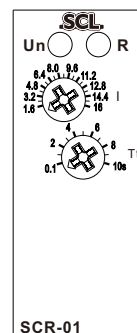
### ■ Function Features

- Adjustable delay 0.5 - 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
- Possible to use for current scanning from current transformer.
- Universal supply AC 24 - 240 V and DC 24 V.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

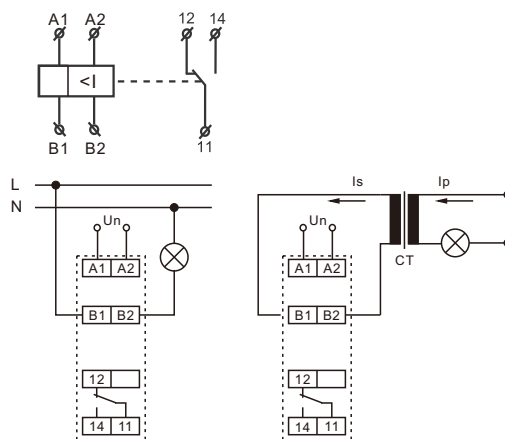
## Technical parameters

Technical parameters	SCR
Function	Monitoring current
Supply terminals	A1-A2
Rated supply voltage	AC 24V-240V or DC 24V
Rated supply frequency	50/60Hz,0
Burden	max.25VA
Supply voltage tolerance	-15%;+10%
Current range	0.5A,1A,2A,5A,8A,16A
Current adjustment	potentiometer
Time 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 coecient	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	$1 \times 10^7$
Electrical life(AC1)	$1 \times 10^5$
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.
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)
Dimensions	90×18×64mm
Weight	62g
Standards	EN 62055-1

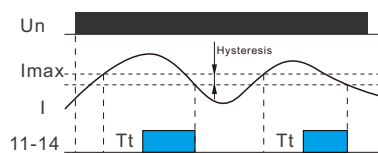
## Panel Diagram



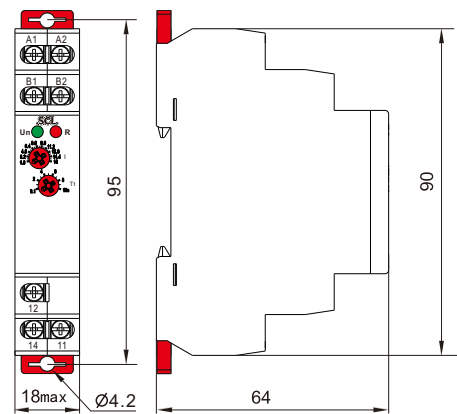
## Wiring Diagram



# Functions Diagram



# 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 time relay shall comply with the appropriate safety standards.