

Item no.: 2490689, 2490690

## Data Sheet

### Current Monitoring Relay

2490689 TC-GRI8-05A



2490690 TC-GRI8-05B



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## Data Sheet

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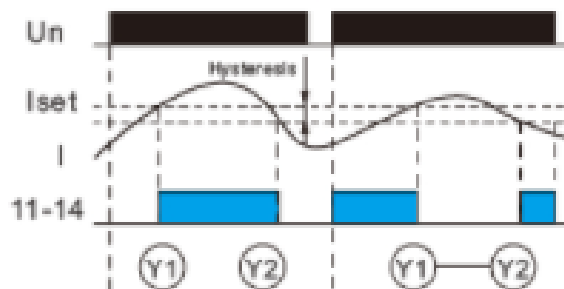
### Applications

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

### Function Features:

- Over and under current
- Straight-through type, working without circuit cut-out
- Power up delay
- Possible to use for current scanning from the current transformer.
- Universal supply AC/DC 24 – 240 V
- Relay status is indicated by LED
- 1-MODULE, DIN rail mounting

### Function Diagram



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### Technical data

	2490689	2490690
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 1.5VA	
Supply voltage tolerance	-15%; +10%	
Current range	2A-20A	
Frequency of current detected	AC 50Hz	AC 50Hz, DC
Current adjustment method	Rotary microswitch	
Time delay (fixed)	0.1s	
Supply indication	green LED	
Setting accuracy	10%	
Hysteresis	5%	
Temperature coefficient	<0.1%/ °C	
Output	SPDT	
Current rating	10A(AC1)	
Switching voltage	250VAC/24VDC	
Min. switching power for 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	
Storage temperature	-35°C to+75°C	
Installation	Din rail mounting	
Protection degree	IP20	
Mounting attitude	≤2000 m	
Overvoltage category	III	
Pollution degree	2	
Max. cable size(mm <sup>2</sup> )	1×2.5mm <sup>2</sup> or 2x1.5mm <sup>2</sup> 0.8N·m	
Standard	EN/IEC60947-5-1	

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## Wiring Diagram

