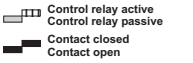
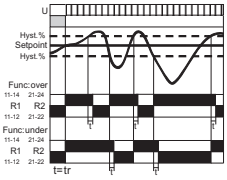
TCC-H2-5A-V2

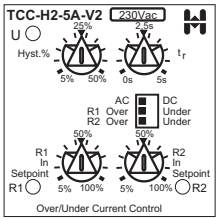
overview

- **AC or DC over or under current monitor**
- **2 x NO output relays, each independently configured over/under current**
- **2 measuring ranges 0.25-5A and 0.5-10A RMS**
- **2 separate switch points independently adjustable**
- **programmable latch/no latch alarm**
- **LED indicators for power supply, relay 1 (R1) and relay 2 (R2)**
- **45mm DIN rail mount housing**

Function







Control relay for monitoring AC and DC voltage with two separately adjustable relay outputs.
Under or over current function can be set independently for R1 and R2 by DIP-Switch selection.
The trip point (Hyst) can be set independently for both R1 and R2 from 5-50% of the measured range.
At the end of **tr,** the output relay changes when the measured current exceeds the set value of one of the trip points (Hyst). The time **tr** is valid for both relays.
When the measured current returns to within the permitted range, the corresponding relay resets immediately.

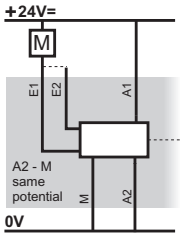
Switch "AC-DC" is used to select AC or DC input.

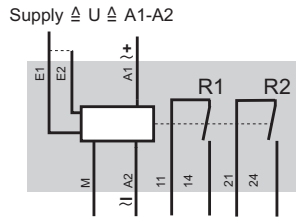
upper threshold: [Y*(100+Hyst%)] /100
lower threshold: [Y*(100-Hyst%)] /100

Y= (Z*Setpoint%) /100
Z= 5A or 10A

specification

supply voltage variation	nominal voltage -15%...+10%	
frequency range	48 - 63 Hz	
duty cycle	100%	
reaction time	0 - 5s	
reset time	< 100ms	
output relay spec. (EN 60974-5-1)		
I_e AC-15	230V~	3A
I_e AC-15	115V~	3,5A
I_e DC-13	24V=	2,5A
expected life time	No	
mechanical	5 x 10^7 operations	
electrical	1 x 10^5 operations	
screws	pozidriv 1, slot 4mm	
screw tightening torque	0,4 Nm	
operating conditions	-20 to +60°C non condensing	





input	range	resistance	I_{EMAX} (20°C)
E1-M	0,25A - 5A	0,01 Ohm	7 A
E1+E2-M	0,5A - 10A	0,005 Ohm	14 A

ordering information

part no	supply	output	sup. galv. iso*	cULus	housing types
TCC-H2-5A-V2 230Vac	230V~ 2,5VA	2 x NO	yes	no	C
TCC-H2-5A-V2 115Vac	115V~ 2,5VA	2 x NO	yes	no	C
TCC-H2-5A-V2 24Vac	24V~ 2,5VA	2 x NO	yes	no	C
TCC-H2-5A-V2 24Vdc	24V= 2W	2 x NO	no	no	C

* The measurement input is galvanically isolated from the power supply

over/under current monitor with two switch points

250mA-10A

DIN

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