

Zelio Control - Monitoring & Control Relays

3-phase supply control relays
RM17TG



RM17TG00

Presentation

RM17TG●0 measurement and control relays for 3-phase supplies monitor the correct sequencing of phases L1, L2, and L3 and the total loss of one or more of these phases.

Functions	RM17TG
Sequence of phases L1, L2, and L3	
Phase loss	

- Function performed
- Function not performed

Depending on the model, RM17TG control relays:

- Accept different nominal 3-phase voltage values
 - 208...480 V ~ for RM17TG00
 - 208...440 V ~ for RM17TG20
- Monitor their own power supply measured as a true rms value
- Are designed for clip-on mounting on a \lrcorner rail

The control status is indicated by an LED.

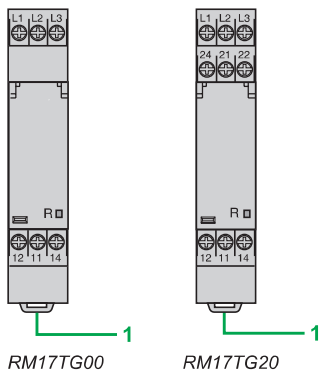
Applications

- Control for connection of moving equipment (site equipment, agricultural equipment, refrigerated trucks)
- Control against reverse motor operation (lifting, handling, elevators, escalators, etc.)
- Control of sensitive 3-phase supplies
- Emergency power supply switching in abnormal conditions

Description

RM17TG00 , RM17TG20

- 1 Spring for clip-on mounting on 35 mm/1.38 in. \lrcorner rail



R Yellow LED: indicates relay output status

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Operating principle

3-phase supply control relays monitor:

- Correct sequencing of phases L1, L2, and L3
- Fault signaling by LEDs
- Total loss of one or more of the phases

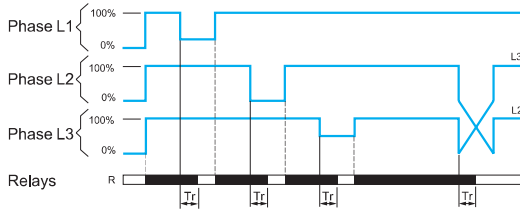
Function Diagram

-  Output 11-14, 21-24 open
-  Output 11-14, 21-24 closed

RM17TG00

Phase control

- Sequence of phases L1, L2, and L3
- Phase loss



The relays monitor:

- That the phase sequence and voltages are correct (> 183 V), the output relay(s) is/are closed and the yellow LED is on.
- If a sequencing fault or total loss of one or more phases is detected (detected as soon as one of the voltages drops below 100 V), the relay opens instantly and the LED goes off.
- On energization of the device with a detected measured fault, the relay stays open.

Note: *Tr*: response time on detection of a fault

References



RM17TG00



RM17TG20

Function	Rated 3-phase supply voltage	Output	Reference	Weight
				kg/lb
■ Phase sequence ■ Phase loss	208...480 ~	1 CO 5 A	RM17TG00	0.080/ 0.176
	208...440 ~	2 CO 5 A	RM17TG20	0.085/ 0.187