

Time multifunction relay

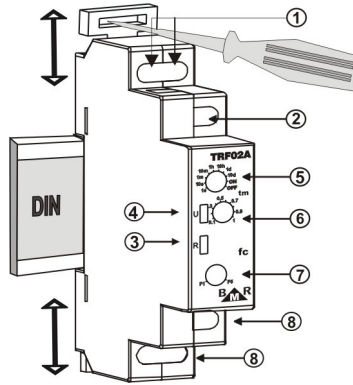
1. Device description

TRF02A is double-function time relay for delayed start or stop, with immediate output connection. Time delay is possible to set from 0,1 second up to 10 days. Another operating states: timer always ON and timer always OFF. Relay has one output double-throw contact 8 A.

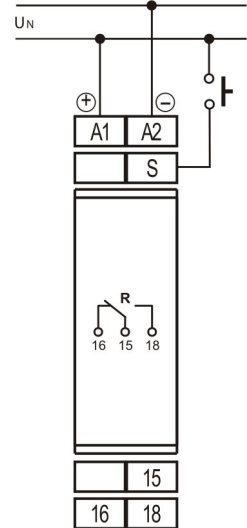
Terminal description:

- ① Supply voltage
- ② Control input START
- ③ Output indication
- ④ Supply voltage indication
- ⑤ Time adjustment
- ⑥ Time fine-adjustment
- ⑦ Function selection
- ⑧ Outputs

Terminal placement:



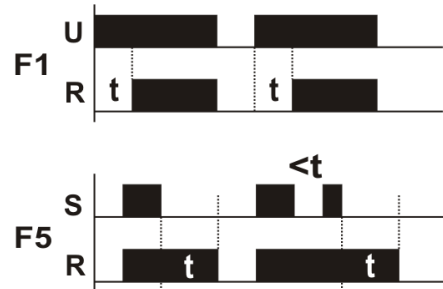
Connection diagram:



2. Function

F1 - delay on operate after applying supply voltage

F5 - delay on release after opening control contact S



3. Technical features

Parameter	Value
Supply voltage:	12 VAC, VDC to 230 VAC
Supply terminals:	A1, A2
Power consumption:	max. 1,5 VA
Number of functions:	2
Supply voltage indication:	green LED
Timing indication:	yellow LED blinking
Time adjustable range:	0,1 sec to 10 days
Output parameters:	
Number and type of contacts:	1x changeover
Nominal current:	8 A
Switching power:	max. AC 2000 VA
Trigger current:	30 A
Nominal voltage / max. switching voltage:	250 VAC / 440 VAC
Mechanical lifetime:	3 x 10 ⁶
Electrical lifetime:	1 x 10 ⁴ 250 VAC, 8 A
Others:	
Working temperature:	-20 .. +55 °C
Storage temperature:	-40 .. +70 °C
Working position:	any
Mounting:	IEC 60715 (DIN 35)
Protection degree:	IP 40 on panel / IP 20 terminals
Electrical strength:	4 kV
Input wire diameter with/without cavern:	max. 2x1,5mm ² ; 1x2,5mm ² / max. 2x1,5mm ² ; 1x2,5mm ²
Weight:	75 g
Dimensions:	90 x 18 x 65 mm
Standards:	IEC 60255-6, IEC 61010



Note

After changing the function, it is recommended to make immediate activation by switching off and on power supply voltage. Otherwise, function change will become active after previous set time expires. If time interval is changed there is no need to disconnect supply voltage.