

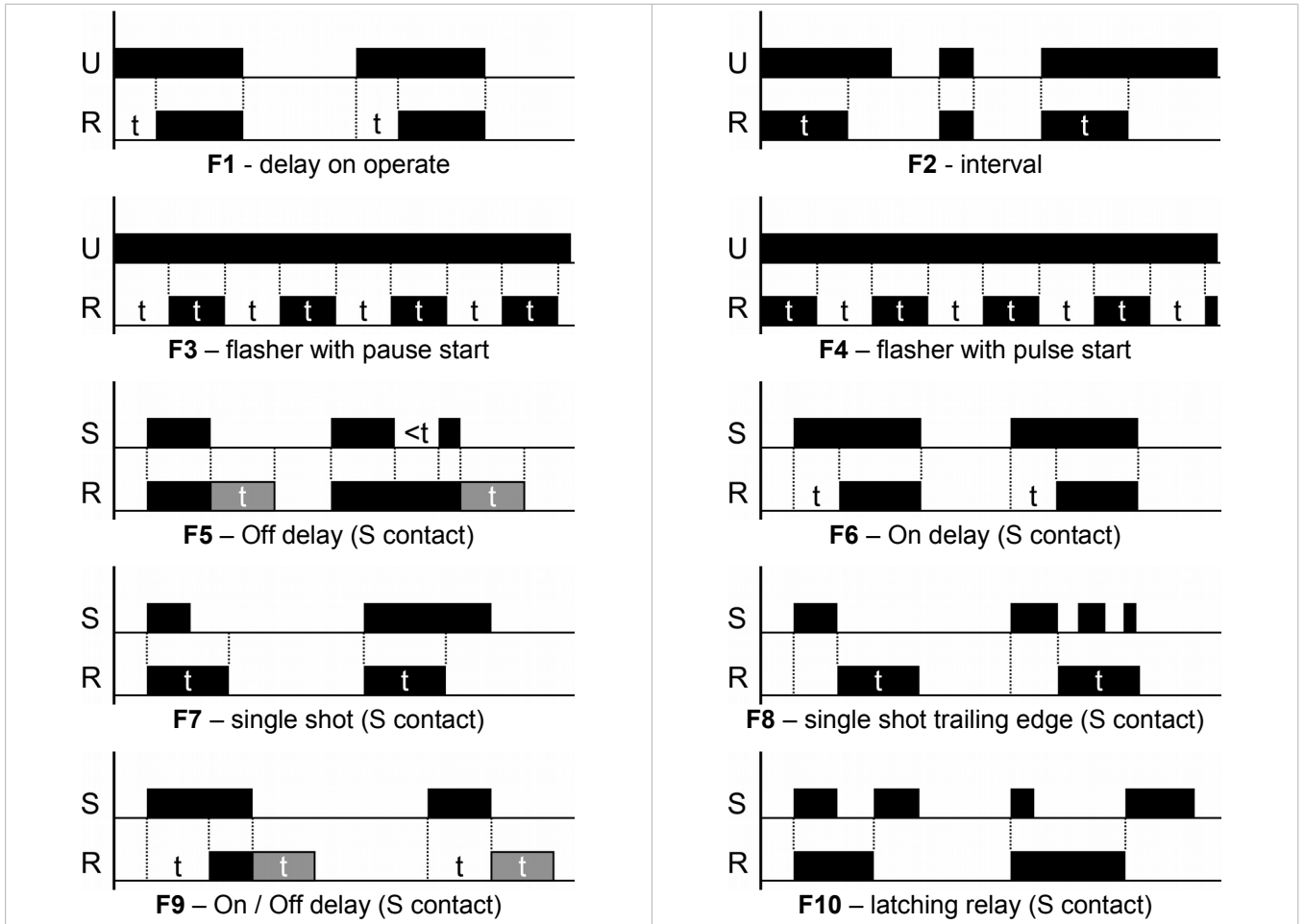
Multiple-function time relay

1. Device description

TRF10 is an universal multiple-function time relay equipped with most often requested functions. It is possible to set time from 0.1 sec till 10 days. Another operating states: timer always ON and timer always OFF. Relay has one output double-throw contact 8 A.

Terminal description:	Terminal placement:	Connection diagram:
<ol style="list-style-type: none"> 1 Supply voltage 2 Control input START 3 Output indication 4 Supply voltage indication 5 Time set 6 Fine time adjustment 7 Function selection 8 Outputs 		

2. Functions



3. Technical features

Parameter	Value
Supply voltage	12 ... 230 V _{AC/DC} (+10%, -15%)
System frequency	50 Hz / 60Hz
Supply terminals	A1, A2
Power consumption	max. 1.5 VA / 1.2 W
Number of functions	10
Supply voltage indication	green LED
Closed contact indication	yellow LED
Time adjustable ranges	0.1 s ... 10 days
Output parameters	
Number and type of contacts	1x changeover contact
Rated operating voltage / current	250 V _{AC} / 8 A, 24 V _{DC} / 8 A
Maximum switched voltage	400 V _{AC} (5 A) / 150 V _{DC} (0.3 A)
Maximum switched power	2000 VA / 192 W
Trigger current	15 A
Maximum net harmonic distortion	less than 5%
Output mechanical lifetime	3 x 10 ⁶ cycles
Output electrical lifetime	1 x 10 ⁴ cycles (250 V _{AC} , 8 A)
Others	
Ambient temperature	-20 ... +55 °C
Storage temperature	-40 ... +70 °C
Working position	any
Mounting	IEC 60715 (DIN 35)
Protection degree	IP 20
Electrical strength	4 kV
Conductor rigid and flexible	0.2 ... 2.5 mm ²
Weight	75 g
Dimensions	90 x 18 x 65 mm
Related standards	EN 61812-1, IEC 61010, IEC 61000



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.