

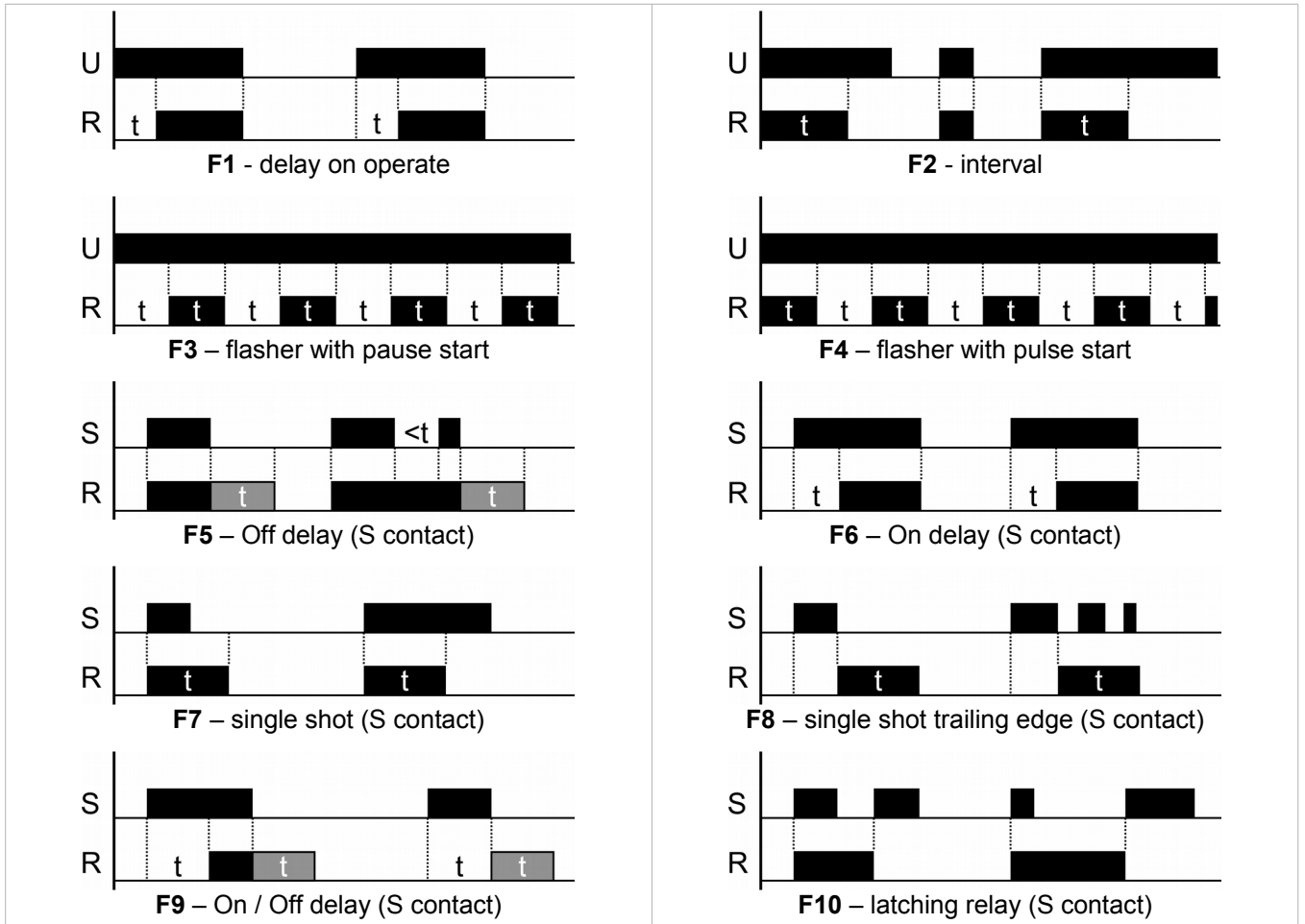
Multiple-function time relay

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: |
|--|---------------------|---------------------|
| <ul 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.