POLISH PRODUCT

Timer CRT-V1 16 time functions, with time T1 and T2. Working as delta-star relay, cross relay and staircase timer.

One model for many applications

Modular case..... width 17,5mm, DIN rail mounting
Universal power supply in whole range..... ..... 24-250V AC/DC [AC 50/60Hz]
Power consumption [current] – power supply 24VDC..... 1.8W [75mA]
Power consumption [current] – power supply 24VAC..... 2.8VA [95mA RMS]
Power consumption [current] – power supply 230VAC..... 3.9VA [18mA RMS]
Power-up time [power supply 24VDC]..... 70ms
Power-up time [power supply 230VAC]..... 80ms
Switching delay..... 10ms
Reaction delay after switching on signal to START input..... 3ms
Reaction delay after switching off signal from START input..... 40ms
Idle time between switching from star to delta.....100ms
Output: 2 relays R1, R2 [2x16A 250VAC] working in the system:
when no power supply is present for Y function they are in open state
when power supply is present and function A to T is selected, they work as switching relay: R1 open / R2 closed
Time range: from 0.01s to 100h, settings accuracy and repeatability – 0.01s
Non-volatile EEPROM memory, data setting using two buttons
Entered data and relay status visual presentation – LED display
Input/output galvanic insulation – 2.5kV, IP-20 protection level
Working temperature: -20°C to +50°C

Selecting a function

Choose F using ▲ button

Press and hold ■ button. Last function used will show on the display.

Choose function A - Z using ▲ button, then press ■ button shortly.

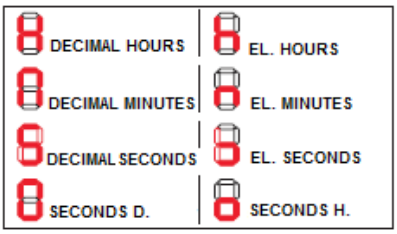
Selected function was stored in memory.

Setting T1 and T2 time

Using ▲ button select T1 [for T1 time setting] or T2 [for T2 time setting]

Press and hold ■ button. Last used time range will show on the display.

Using ▲ button select time range:



After time range is selected, press and hold ■ button. Recently entered value will show on the display blinking.

Using ▲ button enter time value [0 - 9], then press ■ button shortly.

Press again shortly ■ button to exit time setting mode.

Selected time value was stored in memory.

CAUTION: CRT-V1 relay is set to function [A] by factory. T1 time value is set to 2 seconds.

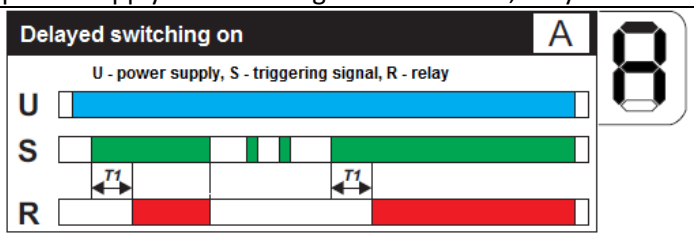
During T1 time phase, [T1] mark is blinking

During T1 time phase, [T2] mark is blinking

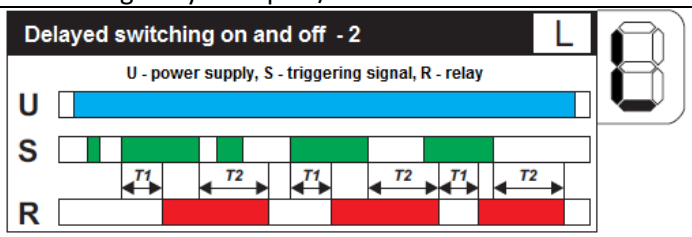
Dot visible on the display indicates that relay is switched on

CAUTION: R1, R2 relays with no power supply, when Y function is selected are in open state. After switching on power supply and selecting function A to T, they will work as switching relay: R1 open / R2 closed.

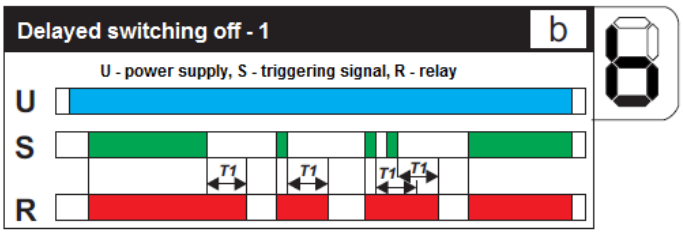
Delayed switching on A



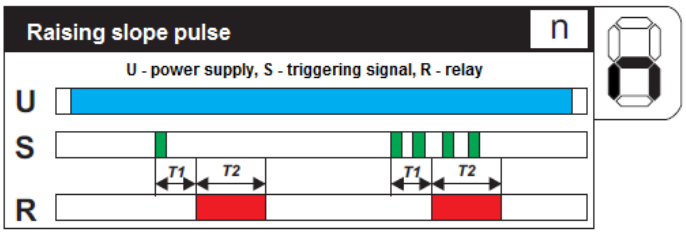
Delayed switching on and off - 2 L



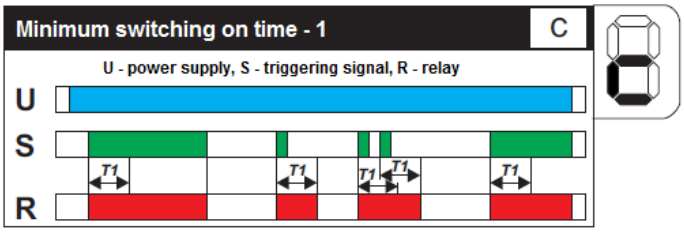
Delayed switching off - 1 b



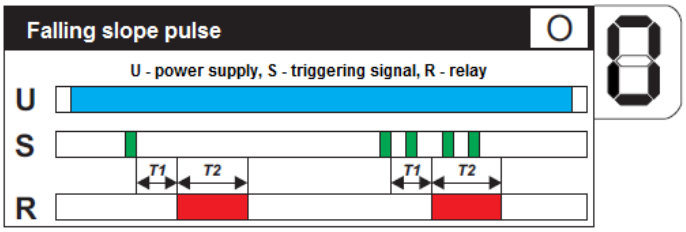
Raising slope pulse n



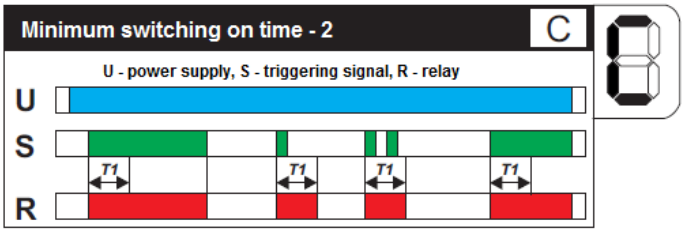
Minimum switching on time - 1 c



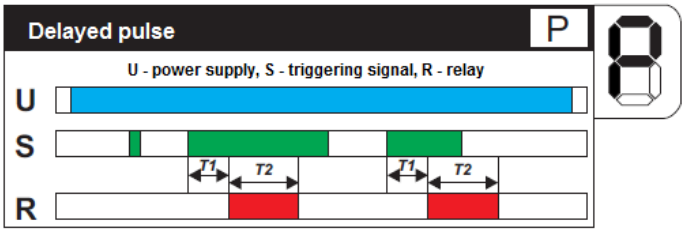
Falling slope pulse O



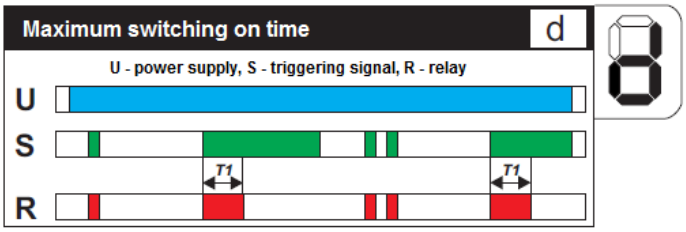
Minimum switching on time - 2 C



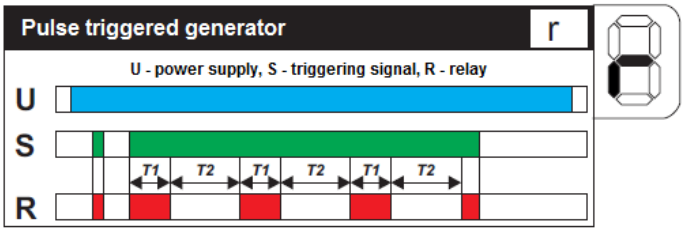
Delayed pulse P



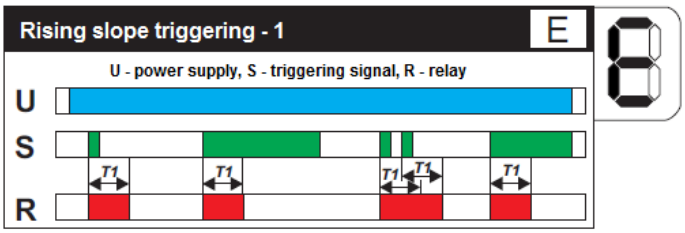
Maximum switching on time d



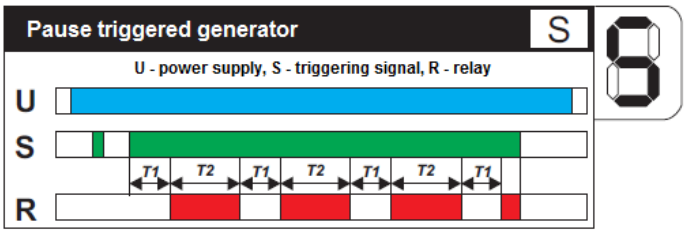
Pulse triggered generator r



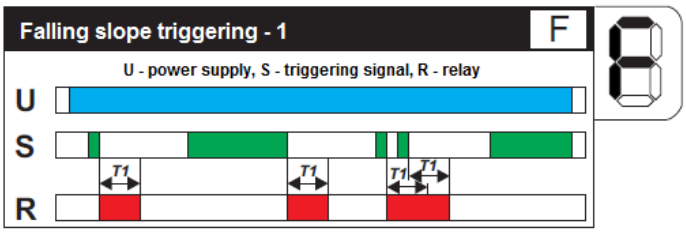
Rising slope triggering - 1 E



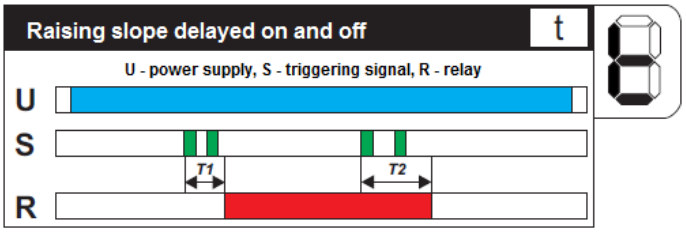
Pause triggered generator S



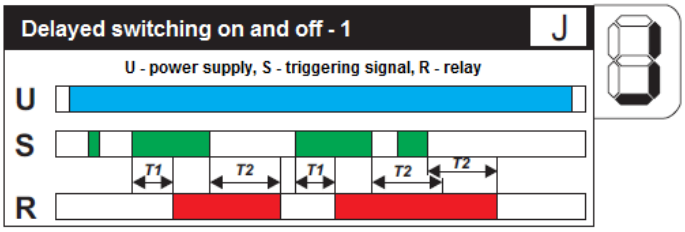
Falling slope triggering - 1 F



Raising slope delayed on and off t



Delayed switching on and off - 1 J



Delta - star relay Y