

### Time Setting

TR-02 timer operated as On-Delay (ER), Off Delay(EM), On Flash mode or Off Flasher mode according to user needs.

Adjustable time range of TMR-02 is between 0.5 second- 30 hours.



●	●	TR	On-Delay
●	○	TR	Off-Delay
○	○	FL	Off Flasher
○	●	FL	On Flasher



TR-02				
5	4	3	T <sub>on</sub> Time Setting	
8	7	6	T <sub>off</sub> Time Setting	
			Time Range	Adjustable Time Range
○	○	○	5 sec	0,5-5 sec
○	○	●	10 sec	1-10 sec
○	●	○	30 sec	3-30 sec
○	●	●	60 sec	6-60 sec
●	○	○	10 min	1-10 min
●	○	●	60 min	6-60 min
●	●	○	10 hour	1-10 hour
●	●	●	30 hour	3-30 hour

**T<sub>on</sub>** time is setting by 3,4,5 switches and ton trimmer,

**T<sub>off</sub>** time is setting are by 6,7,8 switches and toff trimmer.

**T<sub>on</sub>** and/or **T<sub>off</sub>** time settings are calculated according to the following formulas

a: Selected time range (by switches)

x: Position of timmer

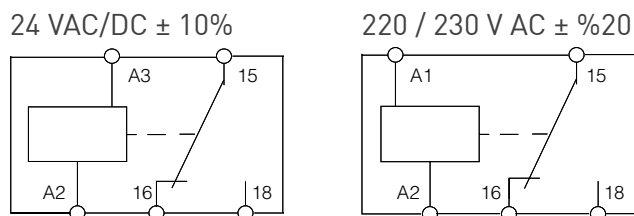
t: Desired time

$$x = \frac{10 \cdot t}{a} \text{ ve } t = \frac{x \cdot a}{10}$$

# TIME RELAY / TR-02

RSM

## Wiring Diagrams



Specifications	TR-02
Time Interval	0,5 sec - 30 hours
Accuracy	<1%
Power Supply	220/230 Vac ± %20 24Vac / dc ± %10
Power Consumption (220Vac 50 Hz) *	Active Power 0,9 W Visible Power 8 VA
Sudden Impact Voltage Resistance Surge (IEC 61000-4-5) *	2 kV
Quick Temporary Sudden Impact Voltage Resistance Burst (IEC 61000-4-4) *	4,4 kV
Electromagnetic RF Fields Resistance (IEC 61000-4-3) *	10 V/m
Assembly Form	Th Rail assembly (EN 60715)
Protection Class	IP20 (EN 60529)
Ambient Temperature	-5°C +50°C (Operation) -25°C +75°C (Storage)
Contact Current /Power	1 C/O, 8 A, 2000 VA

\* Applies to 220/230 Vac (A1-A2) supply line.

Product Name	Code No	Pcs in Box	Pcs Pack.	Draw Delayed (ER)	Release Delayed (ER)	Control Entry Release Delayed (R)	Drawn Control Entry (R)	Triggered in Release Delayed in Release (TS)	Triggered in Release Delayed in Draw (TA)	Symmetric Flasher (EF)	Trigger Entry	Open Flasher	Closed Flasher	Down Meter	Right-Left	Delayed Fail	24V AC/DC	220/230V AC	12-240C AC/DC	24-240C AC/DC
TR-30 (2-30 sec)	1240.01.1	1	22	●	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-
TR-60 (4-60 sec)	1240.01.2	1	22	●	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-
TR-01 (0,1sn-999 min)	1240.01.3	1	22	●	●	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-
TR-02(0,1sec-60 h. featured blinker)	1240.01.4	1	22	●	●	-	-	-	-	-	-	●	●	-	-	-	●	●	-	-