EAN code
CRM-71TO/UNI: 8595188189514
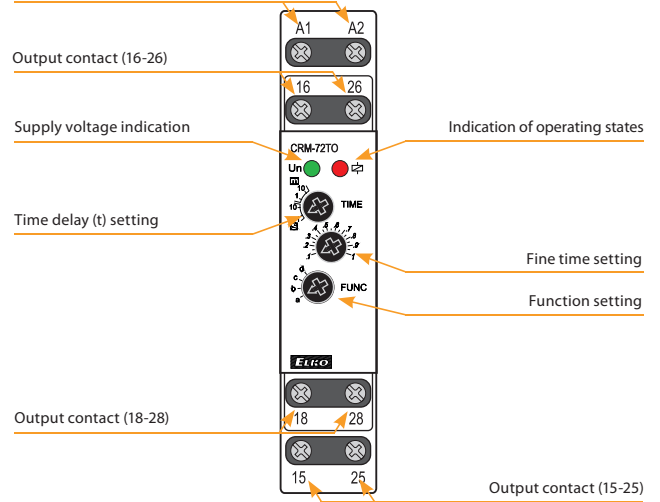CRM-72TO/UNI: 8595188189521

- The relay keeps timing according to the set function even after the power supply is disconnected.
- It can be used for delayed switching off of a backup power supply and systems in case of power failure (e.g. emergency lighting, emergency ventilation, electrically and automatically operated doors – lifts, escalators).
- Comfortable and well-arranged time delay (t) setting by rotary switch.
- Adjustable time delay from 0.1 s to 10 m is split into four ranges: (0.1 s – 1 s / 1 s – 10 s / 0.1 m – 1 m / 1 m – 10 m)
- Power supply outages must be in the order of tens to hundreds of milliseconds.
- Multifunction red LED flashes or shines depending on the operating states.

Technical parameters

Technical parameters	CRM-71TO	CRM-72TO
Power supply		
Supply terminals:	A1-A2	
Supply voltage:	AC/DC 12 – 240 V (AC 50-60 Hz)	
Consumption (max.):	1.9 VA/0.9 W	
Supply voltage tolerance:	−15 %; +10 %	
Time circuit		
Number of features:	4	
Time delay (t):	0.1 s – 10 m	
Time setting:	rotary switch and potentiometer	
Time deviation:	5 % – mechanical setting	
Repeat accuracy:	0.2 % – set value stability	
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01%/°F, at = 68 °F)	
Output		
Contact type:	1× changeover (AgSnO$_2$)	2× changeover (AgNi)
Current rating:	16 A/AC	8 A/AC1
Breaking capacity:	4000 VA/AC1, 384 W/DC1	2000 VA/AC1, 192 W/DC1
Inrush current:	20 A/<3 s	10 A/<3 s
Switching voltage:	250V AC/24V DC	
Power dissipation (max.):	1.2 W	
Mechanical life:	2.000.000 ops.	
Electrical life (AC1):	50.000 ops.	200.000 ops.
Other specifications		
Operating temperature:	−20 .. +55 °C	
Storage temperature:	−30 .. +70 °C	
Dielectric strength:		
supply – output 1	AC 4 kV	AC 3.5 kV
supply – output 2	-	AC 3.5 kV
output 1 – output 2	-	AC 3.5 kV
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 front panel / IP20 terminals	
Overvoltage category:	III.	
Pollution degree:	2	
Cross-wire section – solid/	max. 1× 2.5, 2× 1.5/	
stranded with ferrule (mm^2):	max. 1× 2.5	
Dimensions:	90 × 17.6 × 64 mm	
Weight:	63 g	69 g
Standards:	EN 61812-1	

Description

CRM-72TO

Supply voltage terminals (A1-A2)

Output contact (16-26)

Supply voltage indication

Indication of operating states

Time delay (t) setting

Fine time setting

Function setting

Output contact (18-28)

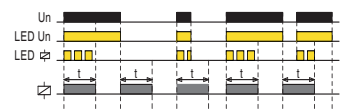Output contact (15-25)

Function

ⓐ TRUE OFF DELAY
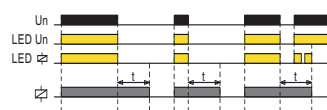
ⓑ TRUE SINGLE SHOT
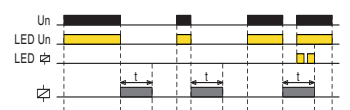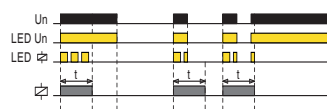
ⓒ TRUE INTERVAL ON

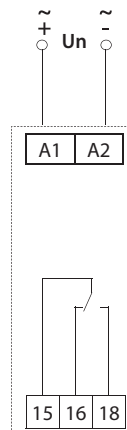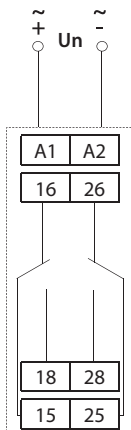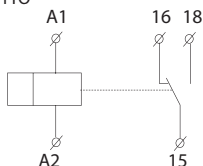**ⓓ TRUE INTERVAL ON/OFF**

Connection

CRM-71TO

CRM-72TO

Symbol

CRM-71TO

A1 · 16 18 · A2 · 15

CRM-72TO

A1 · 16 18 26 28 · A2 · 15 25