

CRM-161 | Multifunction time relay - economy version



EAN code
CRM-161:8595188181617

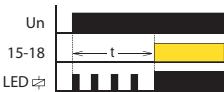


Technical parameters		CRM-161
Power supply		
Supply terminals:	A1 - A2	
Voltage range:	AC 24 - 240 V (AC 50/60 Hz) and DC 24 V	
Power input (max.):	2 VA/1.5 W	
Supply voltage tolerance:	-15 %; +10 %	
Supply indication:	green LED	
Time circuit		
Number of functions:	6	
Time ranges:	0.1 s - 10 hrs	
Time 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		
Number of contacts:	1x changeover/SPDT (AgNi)	
Current rating:	8 A/AC1	
Breaking capacity:	2000 VA/AC1, 192 W/DC	
Switching voltage:	250V AC/24V DC	
Max. power dissipation:	0.6 W	
Output indication:	multifunction red LED	
Mechanical life:	10.000.000 operations	
Electrical life (AC1):	50.000 operations	
Control		
Control. terminals:	A1-S	
Load between S-A2:	Yes	
Impulse length:	min. 25 ms/max. unlimited	
Reset time:	max. 150 ms	
Other information		
Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)	
Dielectrical strength:	4kV AC (supply - output)	
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 from front panel/IP20 terminals	
Overtoltage category:	III.	
Pollution degree:	2	
Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x 1.5/ with sleeve max. 1x 2.5 (AWG 12)	
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")	
Weight:	62 g (2.2 oz.)	
Standards:	EN 61812-1	

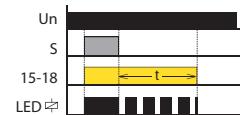
Indication of operating states

Examples of signaling

Function a

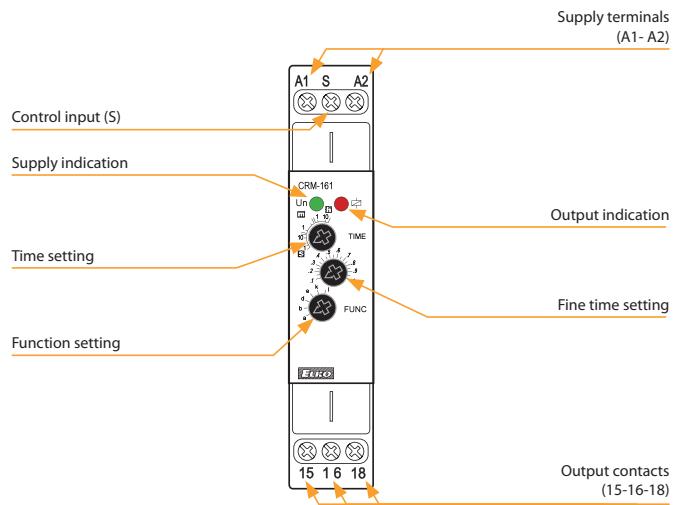


Function e



- Multifunction economy version of time relay for universal use in automation, control and regulation or in house installations.
- Universal supply voltage: AC 24 – 240 V (AC 50/60 Hz) and DC 24V.
- Comfortable and well-arranged function and time-range setting by rotary switches.
- Time scale 0.1 s - 10 hrs divided into 6 ranges: (0.1 s - 1 s/ 1 s - 10 s/ 0.1 min - 1 min/ 1 min - 10 min/ 0.1 hrs - 1 h/ 1 h - 10 hrs).
- Output contact: 1x changeover/SPDT 8 A.
- Multifunction red LED flashes or shines depending on the operating status.

Description



Functions



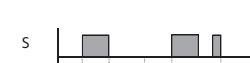
ON DELAY



INTERVAL ON



FLASHER - ON first



OFF DELAY

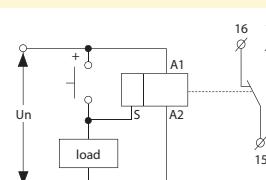
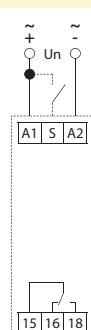


MEMORY LATCH with Delay



ON DELAY with Control Signal

Connection



Possibility to connect load onto controlling input

It is possible to connect the load (e.g.: contactor) between terminals S-A2, without any interruption of correct relay function.