



EAN code  
CRM-91HE /UNI + potentiometr: 8595188142052  
CRM-2HE /UNI + potiometer: 8595188142069  
Potentiometr for CRM-91HE, CRM-2HE : 8595188125215

Technical parameters	CRM-91HE	CRM-2HE
Number of functions:	10	2
Supply terminals:	A1 - A2	
Voltage range:	AC/DC 12 - 240 V (AC 50 - 60 Hz)	
Burden:	AC 0.7 - 3 VA / DC 0.5 - 1.7 W	
Supply voltage tolerance:	-15 %; +10 %	
Supply indication:	green LED	
Time ranges:	0.1 s - 10 days	0.1 s - 100 days
Time setting:	rotary switch, external 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 / Silver Alloy)
Current rating:	16 A / AC1
Breaking capacity:	4000 VA / AC1, 384 W / DC
Inrush current:	30 A / <3 s
Switching voltage:	250 V AC1 / 24 V DC
Output indication:	multifunction red LED
Mechanical life:	3x10 <sup>7</sup>
Electrical life (AC1):	0.7x10 <sup>5</sup>

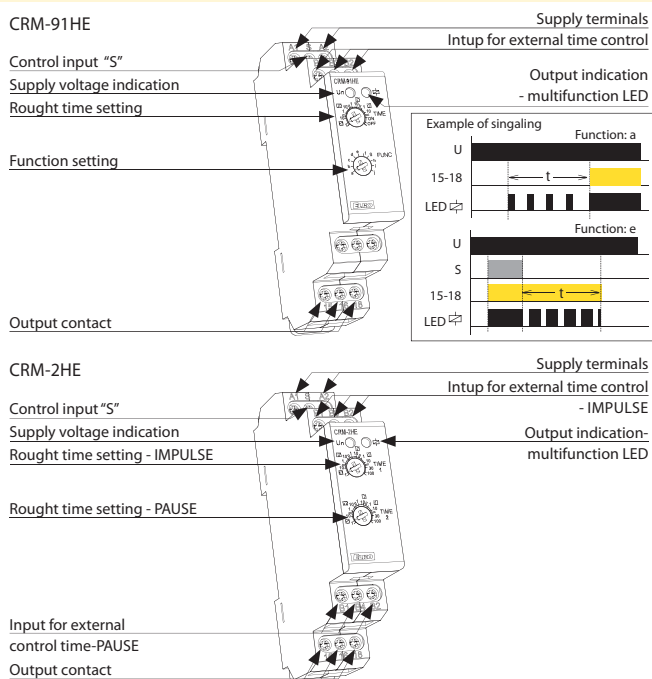
Controlling	
Control. voltage:	AC/DC 12 - 240 V (AC 50 - 60 Hz)
Consumption of input:	AC 0.025-0.2 VA / DC 0.1-0.7 W
Load between S-A2:	Yes
Glow-tubes:	No
Control. terminals:	A1-S
Impulse length:	min. 25 ms / max. unlimited
Reset time:	max. 150 ms

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)
Electrical strength:	4 kV (supply - output)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP40 from front panel / IP20 terminals
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm <sup>2</sup> ):	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:	77 g (2.7 oz.)   78 g (2.8 oz.)
Standards:	EN 61812-1, EN 61010-1

Potentiometer	
Potentiometer:	47 kΩ, linear
Protection degree:	IP 65 from front side / IP20 from back side
Max. cable size (mm <sup>2</sup> ):	1.5 with sleeve / without sleeve max. 2.5 (AWG 12)
Weight:	15 g (0.5 oz.)
Dimensions:	see page Accessories

- Control by external control unit - potentiometer (can be placed/ mounted for example on switch board doors or in panel).
- CRM-91HE:** multifunction time relays
  - 10 functions :
  - 5 time functions controlled by supply voltage
  - 4 time functions controlled by control input
  - 1 function of latching relay
  - time scale 0.1 s - 10 days divided into 10 ranges (0.1 s - 1 s / 1 s - 10 s / 0.1 min - 1 min / 1 min - 10 min / 0.1 hrs - 1 hrs / 1 hrs - 10 hrs / 0.1 day - 1 day / 1 day - 10 days / only ON / only OFF).
- CRM-2HE:** asymmetric cycler
  - 2 time functions:
  - cycler beginning with pulse
  - cycler beginning with gap
  - function selected via external wired link on control input S-A1.
- Universal supply voltage AC/DC 12 - 240 V.
- Output contact: 1x changeover 16 A/SPDT.
- 1-MODULE, DIN rail mounting.
- Possible to connect external potentiometer - max. distance 10 m (32.8 ft.) from relay

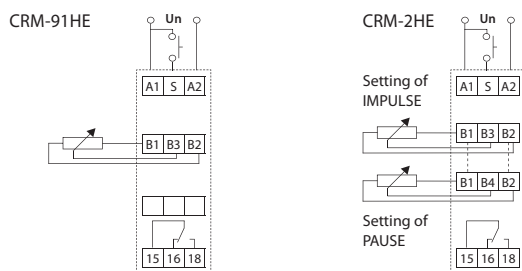
### Description



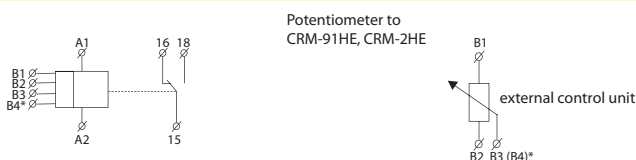
### Function

Functions of CRM-91HE are identical with CRM-91H.  
Functions of CRM-2HE are identical with CRM-2H.

### Connection



### Symbol



\*B4 only for CRM-2HE