C-mac® Externally controlled timers RT1X.X

Delay on operate timers type RT10.6, RT10.7 and RT10.8
Interval timers type RT12.6, RT12.7 and RT12.8.
Timing function controlled by external commands.
Time ranges from 0,08 seconds to 10 hours.
1- or 2-pole relay output.
DC supply or AC supplies up to 230 VAC.
Made in accordance with the CE and EMC regulations

C-mac® externally controlled timers type RT10.6, RT10.7, RT10.8, RT12.6, RT12.7and RT12.8 are used in a large amount of applications, where you need a more advanced control of the time functions.

Common technical data:

Supply, AC:	24, 115 and 230 VAC +/- 10%
Supply frequency:	40-70 Hz
Isolation voltage:	supply - internal - output: 3.75 kV
Supply, DC:	24 VAC/DC +/- 10% Note: With this type of supply,there is no galvanic isolation between supply and internal electronics.
Power consumption:	2,5 VA
Operation temp.:	-20°C to +60°C
Humidity:	0 - 90% RH, non-condensing
Indications:	
Green LED:	Supply voltage connected
Red LED:	Relay active
Time adjustment:	2,5 - 100 % of the range Internal or eksternal 0-1 MΩ potentiometer, dependent on type. (External time adjustment: 1-pole versions only)
Accuracy, scale:	5 %.
Repeatability:	0,1 %
Reset of time and/or relay:	
a: supply	Supply voltage interruption for more than 0,2 sec.
b: contact	Contact activation for more than 10 msec.
Max. load, relay:	1-pole 8 A - 250 VAC 2-pole: 5 A - 250 VAC, ohmic load

EMC og safety regulations.

Emmision:	EN 50 081 - 1
Immunity:	EN 50 082 - 2
Safety:	EN 60 730

Approvals: The units are produced in accordance with the CE og low voltage regulations.

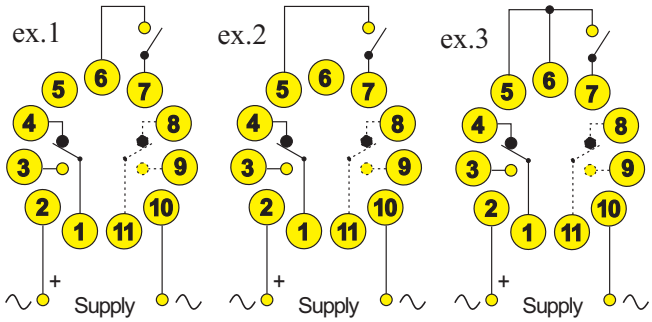
All units are supplied with either 1- or 2-pole relay output, except versions with external time adjustment.

Time ranges, all versions:

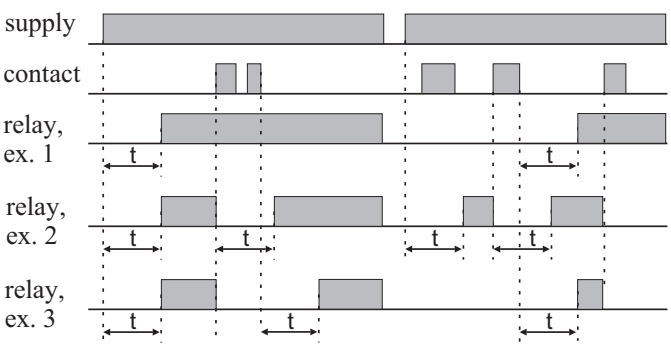
0,08 - 3 sec
0,4 - 15 sec
1,5 - 60 sec
0,25 - 10 min
1,5 - 60 min
0,25 - 10 hours

Specifications RT10.6.

Connections:

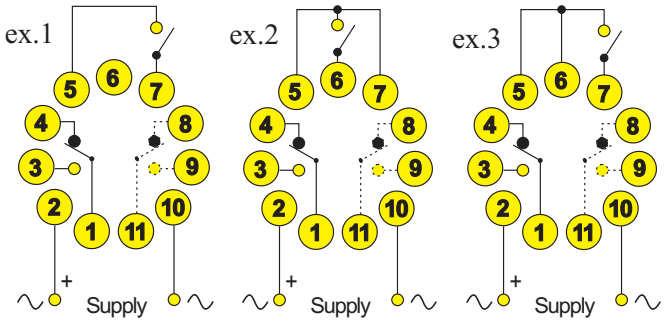


Functional diagram:

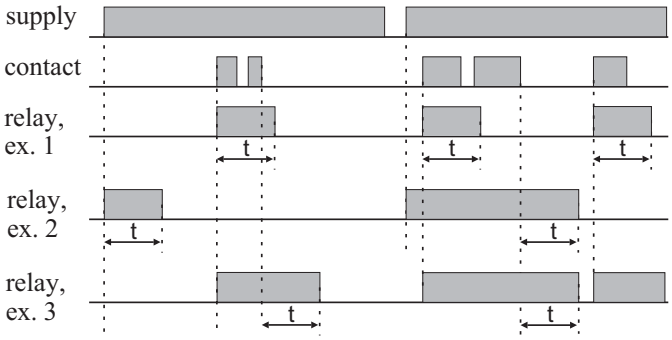


Specificationer RT12.6.

Connections:

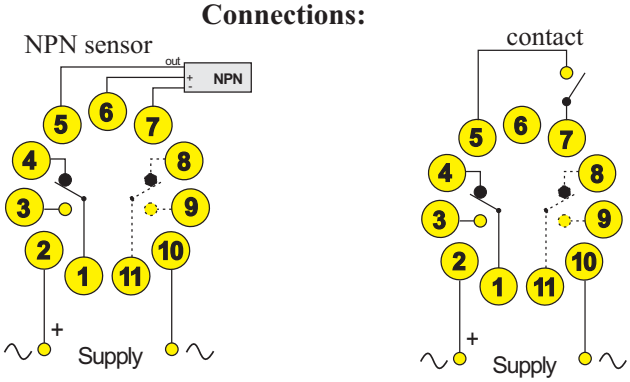


Functional diagram:

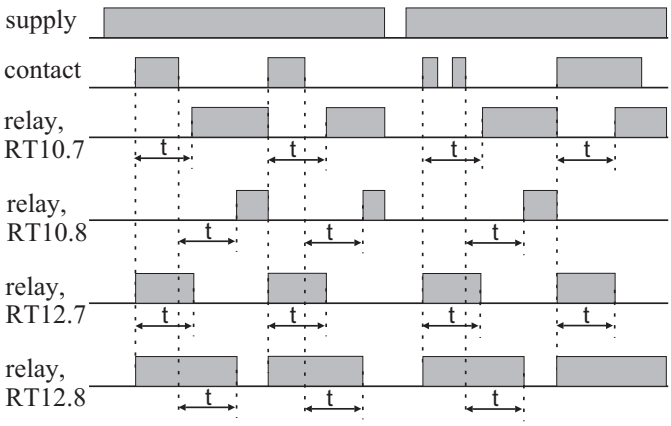


Specifications RT10.7, RT10.8, RT12.7 and RT12.8.

Connections:



Functional diagram:



Time adjustment with external potentiometer:

Potentiometer 0-1 MOhm, connected between pins 8 and 9.

Note: These versions are only supplied with 1-pole relay output. (add E in the type number)

Ordering guide:

Supply	Type number
24 VAC/DC	RT1X.X-y-2-024-zzz
24 VAC	RT1X.X-y-1-024-zzz
115 VAC	RT1X.X-y-1-115-zzz
230 VAC	RT1X.X-y-1-230-zzz

X.X = Timer type

RT10.6: delay on operate, 3 different selections for reset of time and/or relay.

RT10.7: delay on operate, reset of time and relay with NPN-sensor or contact.

RT10.8: delay on operate, reset of time and relay with NPN-sensor or contact.

RT12.6: interval timer, 3 different selections for reset of time and/or relay.

RT12.7: interval timer, reset of time and relay with NPN-sensor or contact.

RT12.8: interval timer, reset of time and relay with NPN-sensor or contact.

y = output relay

1: 1-pole

2: 2-pole

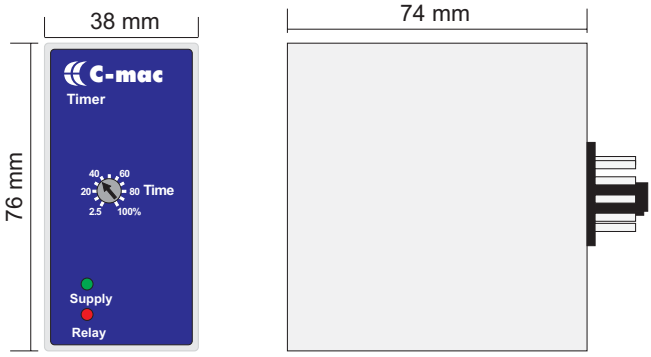
zzz = time range

see table for each type

Ordering guide:

RT10.6-2-1-230-10M

Mechanical dimensions:



Materials and weight:

Housing:	NORYL-SE-1, grey, self-extinguishing
Housing bottom:	NORYL SE-1, GFN-2, black, self-extinguishing
Terminals:	Nickel-plated brass
Weight:	140 g