

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, RT12.7 and 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 external 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:
Emission: EN 50 081 - 1
Immunity: EN 50 082 - 2
Safety: EN 60 730

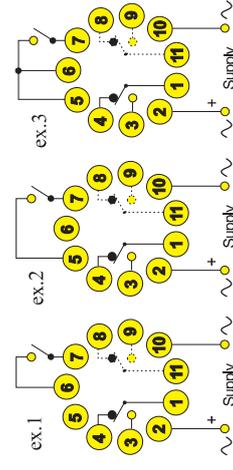
Approvals: The units are produced in accordance with the CE og low voltage regulations.

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

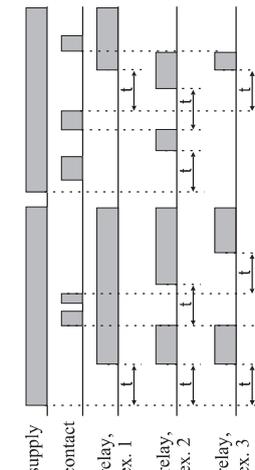
Time ranges, all versions:
 0,08 - 3 sec
 0,4 - 15 sec
 1,5 - 60 sec
 0,25 - 10 min
 1,5 - 60 min
 0,25 - 10 hours

Specifications RT10.6.

Connections:

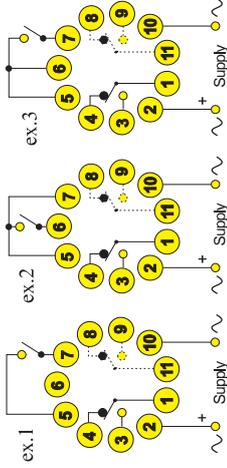


Functional diagram:

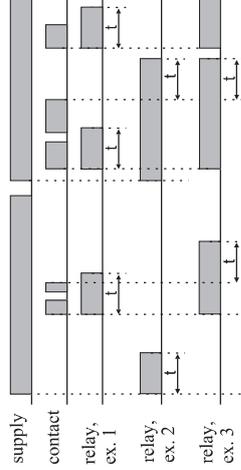


Specificationer RT12.6.

Connections:

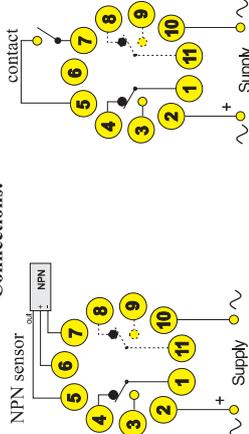


Functional diagram:

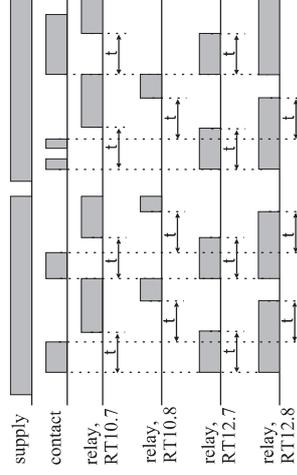


Specifications RT10.7, RT10.8, RT12.7 and RT12.8.

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-zzzz
24 VAC	RT1X.X-y-1-024-zzzz
115 VAC	RT1X.X-y-1-115-zzzz
230 VAC	RT1X.X-y-1-230-zzzz

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

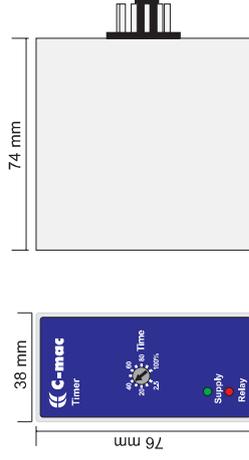
2: 2-pole

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