

Timing relay for star-delta switches

Automatic start

4 time ranges from 0,4 sec. to 10 min.

Time adjustment on built-in potentiometer

1-pole relay output with neutral centre position

100 msec. fixed neutral time

Phase-neutral or phase-phase supply voltage

Made in accordance with the **CE** and EMC regulations



C-mac[®] time relay type RT18 is particularly made for the control of star-delta contactors.

When the supply voltage is connected, the relay activates in position 1-4, and the time period starts.

At the end of the set delay, the relay switches to neutral centre position for approx. 100 msec. Then it switches to position 1-3 and stays in this position, until the supply voltage is interrupted.

Technical data:

Supply voltage	24 VAC/DC 127 VAC / 220 VAC 230 VAC / 400 VAC 240 VAC / 415 VAC
Power consumption:	max. 2 W
Operation temp.:	-20°C til +60°C
Humidity:	0 - 90% RH, non-condensing
Indications:	
Green LED:	Relay, position 1-4
Red LED:	Relay, position 1-3
Time adjustment:	2,5 - 100 % of the range
Accuracy, scale:	5 %.
Repeatability:	0,1 %
Reset of time and/or relay:	Supply voltage interruption for more than 0,2 sec.
Max. load, relay:	1-pole 8 A - 250 VAC 2-pole: 5 A - 250 VAC, ohmic load

EMC og safety regulations.

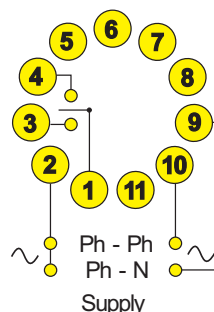
Emmission:	EN 50 081 - 1
Immunity:	EN 50 082 - 2
Safety:	EN 60 730

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

Time ranges:

0,4	- 15 sec
0,8	- 30 sec
1,5	- 60 sec
0,25	- 10 min

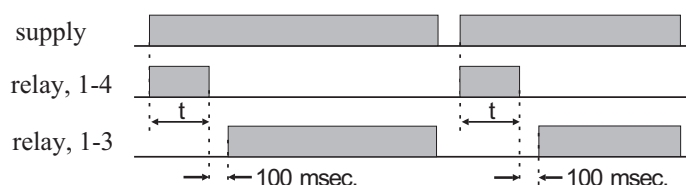
Connections:



Note:

At 24 V AC/DC supply, pin 9 is not connected. (pin 2 is +)

Functional diagram:



Ordering guide:

Supply	Type number
24 VAC/DC	RT18-2-2-024-xxx
127 / 220 VAC	RT18-2-1-127/220-xxx
230 / 400 VAC	RT18-2-1-230/400-xxx
240 / 415 VAC	RT18-2-1-240/415-xxx

xxx = time ranges

see table on previous page

Ordering example:

RT18-2-1-230/400-60S

Mechanical dimensions.: see page 9-2