

# RT18 Star/triangle relay

## Datasheet



- Timer for controlling of star/triangle contactors
- Automatic start-up
- 4 time ranges from 0,4 sec. to 10 min.
- Time adjustment at internal potentiometer
- 1-pole output relay with neutral center position
- Fixed neutral time at 100 msec.
- Supply from phase-nul or phase-phase



C-mac® timer relay RT18 is specially designed to control star/triangle contactors.

When the supply voltage is connected, the relay is activated in position 1-4, and then the time measurement starts.

When the set time has elapsed, the relay will shift to neutral position in 100 msec., after which the relay shifts to position 1-3 and stay there until the supply voltage is switched off.

### Technical data:

Supply voltage: 24 VAC/DC  
127 VAC/220 VAC  
230 VAC/400 VAC  
240 VAC/415 VAC

Consumption: 2 W

Working temperature: -20°C til +60°C

Humidity: 0-90% RH, non-condensing

### Indikator:

Green LED: Relay position 1-4  
Red LED: Relay position 1-3

Adjustment of time: 2,5 – 100% of range

Scale accuracy: 5%

Repeatability: 0,1%

Resetting time and relay: Disconnection of supply  $\geq 0,2$  sec.

Max. load relay: 8A/250VAC

### EMC and safety:

Emmision: EN50081-1

Immunity: EN50082-2

Safety: EN60730

### Time ranges:

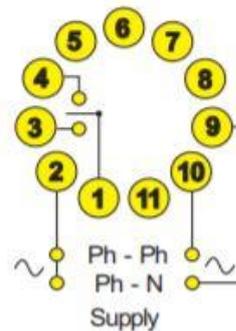
0,4 – 15 sec.

0,8 – 30 sec.

1,5 – 60 sec.

0,25 – 10 min.

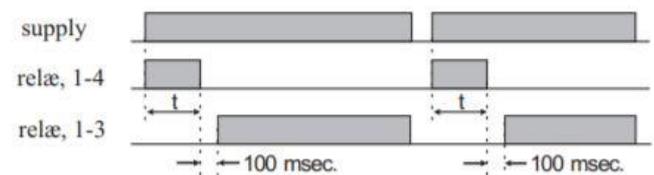
### Connections:



### Note:

By 24 VAC/DC pin 9 is not connected (pin 2 is -)

### Funktional diagram:



### Ordering guide:

Options for ordering		
Type:	Supply:	Time range:
RT18-2	2-024 = 24 VAC/DC	15S = 0,4-15 sec.
	1-127/220 = 127/220 VAC	30S = 0,8-30 sec.
	1-230/400 = 230/400 VAC	60S = 1,5-60 sec.
	1-240/415 = 240/415 VAC	10M = 0,25-10 min.
Example: RT18-2-1-230/400-60S		