

# DIN RAIL 8 & 11 PIN PLUG IN, DEDICATED VOLTAGE, SINGLE TIME RANGE, STAR DELTA TIMERS

PRODUCT  
GROUP  
**A**

**TYPES: YR2Q, 8R2Q, 11R2Q**

## FEATURES

- Din rail & plug in versions
- Separate contact output for star
- Separate contact output for delta
- Single coil voltages 12VDC to 415VAC
- Single adjustable time ranges
- With dwell time
- LED indication
- CE marked

## DESCRIPTION & MODE OF OPERATION

Din rail mounted or 8 & 11 pin plug in star delta timers, dedicated coil voltage and dedicated adjustable time range. The timers have two independent contact outputs, one designed as Star and one as Delta. The timers are with a single adjustable time range and feature a red LED to indicate completion of the "Star" time. All terminal details along with the CE mark is clearly marked on the sides of the housing.

On connection of the supply voltage the "Star" contact remains closed and timing immediately commences, after the expiry of the set delay time the "Star" contact opens. There then follows a dwell time of 100mSec (on request 30mSec) and the separate "Delta" contact then closes. On loss of the supply voltage during timing, the elapsed time is immediately cancelled and after timing the "Delta" contact will open.

## SPECIFICATIONS

### Timing:

Repeat accuracy:  
constant ambient:  $\pm 1\%$  of set value  
across temp range:  $\pm 3\%$   
Setting accuracy: 0 to +30%  
Time ranges: 0.3 to 30 sec or 1 to 100 sec  
Dwell time: 100mSec standard (30mSec on request)

Reset time:  
during timing: 100mSec  
after timing: 100mSec

### Relay outputs:

YR2Q: Star 1NC, Delta 1NO  
8R2Q & 11R2Q: 2 x SPCO  
Output contacts: 5Amps/250V AC1  
Max switching voltage: 250VAC, 30VDC  
Mechanical life: 20 Million ops  
Electrical life: 50K ops at max rated load

### Supply voltage:

Supply voltage tolerance:  $\pm 15\%$   
Frequency: 50/60Hz  
Max power consumption: 11VA

### General:

Operating temperature:  $-20^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$   
Storage temperature:  $-20^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$   
CE marked: Yes  
In accordance with: EN61000-6-1: 2007  
EN61000-6-3: 2007  
EN61010-1: 2002

Housing material: Polycarbonate, Auto extinguishable to UL 94 V-0

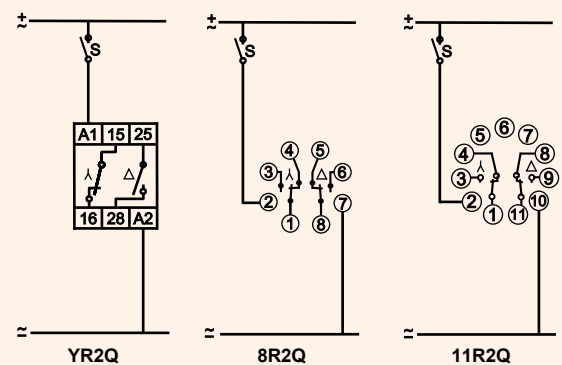
## ORDERING INFORMATION

TYPE	TIME RANGE (specify)	COIL VOLTAGE
YR2Q (Din rail)	0.3 to 30 sec	12V DC
8R2Q (8 pin plug in)	1 to 100 sec	24V AC/DC
11R2Q (11 pin plug in)		48V AC/DC
		110V AC
		230V AC
		400V AC
		415V AC

**DWELL TIME**  
30mSec optional  
(If not requested 100mSec will be supplied)



## CONNECTIONS



## FUNCTION

