

# MULTI VOLTAGE, MULTI TIME RANGE, STAR DELTA TIMERS

PRODUCT  
GROUP  
**B**

**TYPES: UNI-2Q (2 x spco) & UNI-4Q (2 x dpco)**

## FEATURES

- Din rail mounted
- Modern modular design
- Width 27mm (1.5 modules)
- 2 x SPCO version
- Unique 2 x DPCO version
- Multi voltage 12-250VACDC
- Multi time range 0.1 sec to 10 mins
- Dwell time 100mSec
- Dual LED indication
- CE marked

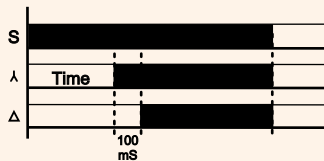
## DESCRIPTION & MODE OF OPERATION

An attractive modern designed star delta timer in a din rail mounted modular style housing of 1.5 modules width (27mm). The timer features the facility of double deck terminals thus enabling the timer to be available also in a unique 2 x DPCO version. A selector switch is provided to select four different "star" time ranges from 0.1 sec to 10 mins, fine time selection on a selected range is then achieved via a percentage potentiometer. A green supply on LED is featured along with a red LED to indicate relay output status. All terminal details and the function information along with the CE mark is clearly marked on the sides of the housing.

## TIMING FUNCTION

Initiated by supply on terminals A1 & A2, which immediately starts the "star" time during which the "star" contacts remain closed. After expiry of the "star" time the "star" contacts open. This is followed by a pause of 100mSec and the "delta" contacts then close. Removal of supply after timing has been completed and the "delta" relay contacts will de-energise, if removal of supply is before timing has been completed remaining time will be cancelled.

### FUNCTION



## SPECIFICATIONS

### Timing:

Time ranges:	0.1sec to 10 mins
Repeat accuracy:	±0.5% of set value
Reset time:	Max 100mSec

### Relay outputs:

Output contacts:	UNI-2Q 2 x SPCO 16Amps/250V AC1
	UNI-4Q 2 x DPCO 8Amps/250V AC1

### Max breaking capacity:

	UNI-2Q 4000VA
	UNI-4Q 2000VA

### Mechanical life:

	30 Million ops
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### Electrical life:

	200K ops at max rated load
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### Supply voltage:

Supply voltage:	12-250VACDC
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### Max power consumption:

	5VA / 2.8W
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### Insulation:

	2.5KV 50Hz impulse
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### General:

Operating temperature:	-20°C to +65°C
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Storage temperature:	-20°C to +65°C
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### CE marked:

	Yes
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### In accordance with:

	EN61000-6-1: 2007
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	EN61000-6-3: 2007
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	EN61010-1: 2002
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### Housing material:

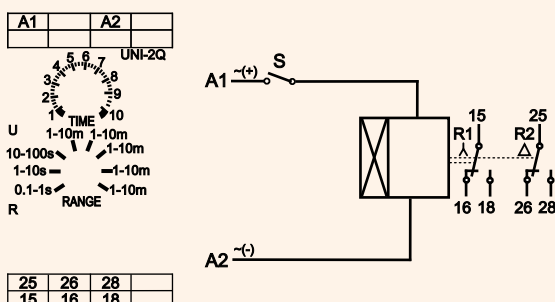
	Polycarbonate, Auto extinguishable to UL 94 V-0
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## TIME RANGES

Position 1:	0.1 - 1 sec	Position 3:	10 - 100 secs
Position 2:	1 - 10 secs	Position 4:	1 - 10 mins

## CONNECTIONS

### UNI- 2Q



### UNI- 4Q

