

MULTI VOLTAGE, MULTI TIME RANGE TRUE DELAY OFF TIMERS

PRODUCT
GROUP
B

TYPES: UNI-1K (spco) & UNI-2K (dpcO)

FEATURES

- Din rail mounted
- Modern modular design
- Width 27mm (1.5 modules)
- SPCO & DPCO version
- Tri voltage 24VACDC, 110VAC, 230VAC
- Multi time range 0.1 sec to 30 mins
- LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

An attractive modern designed true delay off timer (capacitor discharge timer) in a din rail mounted modular style housing of 1.5 modules width (27mm). The units are supply voltage selectable via the connection of different terminals. The timer is available in both SPCO and DPCO formats. Two selector switches are provided to select four different time ranges from 0.1 sec to 30 mins, fine time selection on a selected range is then achieved via a percentage potentiometer. Two green supply on LED's are featured which indicate supply healthy. On removal of the supply voltage and therefore the commencing of timing both LED's on this timer will extinguish. All terminal details and the function information along with the CE mark is clearly marked on the sides of the housing.

The relay energises immediately the supply voltage is applied to terminals A1 & A2, A3 or A4 depending on the supply voltage. When the supply voltage is removed the relay is held energised by a charged capacitor, the removal of the supply voltage instigates the timing period. After the timing period has elapsed the relay will de-energise. A break in the supply of less than the set time will therefore be ignored. Since the relay is held energised after the removal of the supply by a charged capacitor it is necessary that the initial connection of the supply voltage must be at least 300m Sec to facilitate the charging of the capacitor.

By nature a true delay off timer uses different relay technology, by the means of a magnetically latching mechanism. However, if subjected to undue physical shock, for example "in transit" the contacts maybe on initial connection be in the incorrect state. If this is the case this can be easily rectified by the connection and removal of the auxiliary supply voltage. Thus allowing the contacts to time out and return to the correct state.



SPECIFICATIONS

Timing:

Time ranges:	0.1sec to 30 mins
Repeat accuracy:	±0.5% of set value
Reset time:	Max 100mSec
Min supply on time:	300mSec

Relay outputs:

Output contacts:	UNI-1K 16Amps/250V AC1
	UNI 2K 8Amps/250V AC1
Max breaking capacity:	UNI-1K 4000VA
	UNI-2K 2000VA
Mechanical life:	20 Million ops

Supply voltage:

Supply voltage:	24VACDC, 110VAC, 230VAC
	selectable via terminals

Max power consumption:

Max power consumption:	7VA
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Insulation:

Insulation:	2.5KV 50Hz impulse
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General:

Operating temperature:	-20°C to +65°C
Storage temperature:	-20°C to +65°C
Max cable size:	2.5mm
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

TIME RANGES

0.1 - 10 secs	0.3 - 30 secs
0.1 - 10 mins	0.3 - 30 mins

FUNCTION



CONNECTIONS

