

DIN RAIL MODULAR, MULTI VOLTAGE, MULTI TIME RANGE, DELAY OFF TIMERS VIA TRIGGER INPUT (trailing edge)

PRODUCT
GROUP
B

TYPES: UNI-1C (spco) & UNI-4C (4pco)

FEATURES

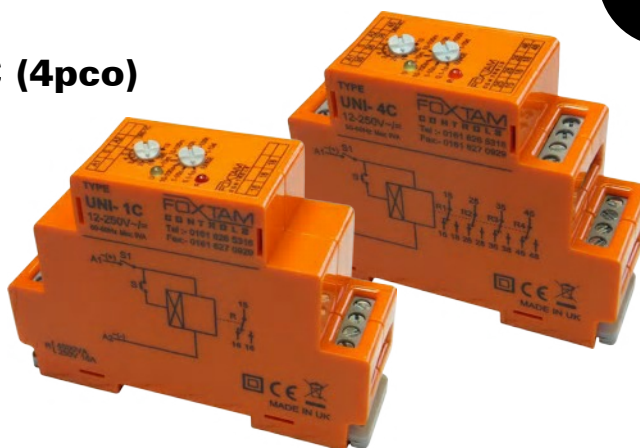
- Din rail mounted
- Modern modular design
- Width 27mm (1.5 modules)
- SPCO version & unique 4PCO version
- Multi voltage 12-250V AC/DC
- Multi time range 0.1 sec to 10 days
- Dedicated delay off (via trigger input)
- Dual LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

An attractive modern designed multi voltage and multi time range delay off (via trigger input, trailing edge) dedicated function 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 4PCO version. A selector switch is provided to select eight different time ranges from 0.1 sec to 10 days, 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.

A permanent supply is required at all times on terminals A1 & A2, however this is not the controlling factor. The controlling factor is a trigger input from A1 onto terminal S. On an input being made to terminal S the relay contacts energise, on removal of the trigger input (trailing edge) the relay contacts time to de-energise. If the trigger input is reinstated after timing has commenced, it will immediately cancel any remaining time delay and the trigger will need to be removed for timing to commence again. If the supply on terminals A1 & A2 is removed at any point when the relay contacts are energised, irrespective of what state the trigger is at, the relay contacts will de-energise. If the trigger input to terminal S is present before the connection of the supply to terminals A1 & A2 when the supply is connected, the relay contacts will immediately energise and as before removal of S will commence timing.

The trigger input "S", this input should preferably be clean. However, within reason small loads can be connected between "S" & "A2", such as relay coils or indicator lights.



SPECIFICATIONS

Timing:

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

Relay output:

Output contacts:	UNI-1C 16Amps/250V AC1 UNI-4C 8Amps/250V AC1
Max breaking capacity:	UNI-1C 4000VA, UNI-4C 2000VA
Mechanical life:	30 Million ops
Electrical life:	200K ops at max rated load

Supply voltage:

Supply voltage:	12-250V AC/DC
Max power consumption:	5VA / 2.8W
Insulation:	2.5KV 50Hz impulse

Trigger input (S):

Max consumption:	5mA
Min input time:	25mSec
Max input time:	Continuous
Clean contact input:	Not required

General:

Operating temperature:	-20°C to +65°C
Storage temperature:	-20°C to +65°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

FUNCTION



CONNECTIONS

