

DIN RAIL, 8 & 11 PIN PLUG IN DEDICATED VOLTAGE, MULTI TIME RANGE, DELAY OFF TIMERS VIA TRIGGER INPUT (leading edge)

PRODUCT
GROUP
A

TYPES: YRB, 8RB, 11RB (spco) & 11R2B (dpcO)

FEATURES

- Din rail & plug in versions
- SPCO & DPCO versions
- Single coil voltages 12VDC to 230VAC
- Choice of three multi time ranges
- LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

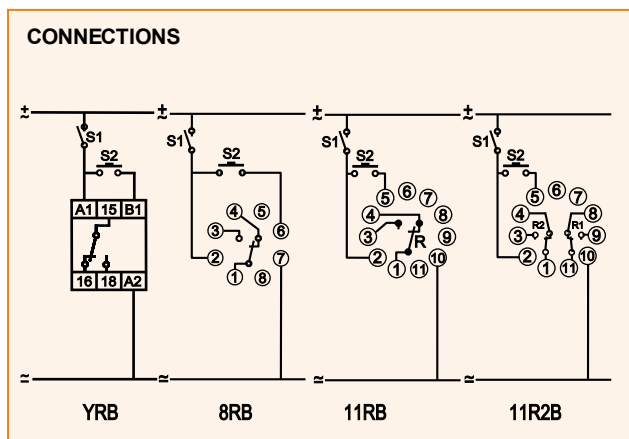
Simple din rail mounted or 8 & 11 pin plug in dedicated delay off via a leading edge trigger input timer, with dedicated coil voltage and time range. The timers are SPCO output with a DPCO option for an 11 pin plug in. A choice of one of three multi time ranges can be requested. The timers feature a red LED to indicate relay output status. All terminal details along with the CE mark is clearly marked on the sides of the housing.

A permanent supply is required at all times on to the coil terminals, however this is not the controlling factor. The controlling factor is a trigger input S2, on S2 closing the relay contacts energise and timing immediately commences (leading edge), after the set delay time the contacts de-energise. If the coil supply is removed during the timing period the contacts immediately de-energise. If the trigger input S2 is present before the connection of the coil supply, the contacts will not energise, the coil supply has to be present before the timer sees the leading edge of the trigger input. If S2 is initiated again during timing this will have no effect, timing has to be completed before another leading edge of the trigger takes effect.

The command contact S2 should be isolated from other circuits and must only be connected to the same supply as the coil voltage to the timer. If this cannot be achieved, use UNI-1M or UNI-4M on page 4. Or for 8/11 pin plug in units see page 8.

ORDERING INFORMATION

TYPE	TIME RANGE (specify S, M or L)			COIL VOLTAGE
YRB (Din rail SPCO)	S (0.06 to 160 secs)	M (0.5 sec to 21 mins)	L (15 sec to 640 mins)	12V DC
8RB (8 pin plug in SPCO)	0.06 to 0.6 sec	0.5 to 5 sec	15 to 150 sec	24V AC/DC
11RB (11 pin plug in SPCO)	0.25 to 2.5 sec	2 to 20 sec	1 to 10 mins	48V AC/DC
11R2B (11 pin plug in DPCO)	2 to 20 sec	16 to 160 sec	8 to 80 mins	110V AC
	16 to 160 sec	2 to 21 mins	64 to 640 mins	230V AC



SPECIFICATIONS

Timing:

Repeat accuracy:	constant ambient: $\pm 0.5\%$ of set value
	across temp range: $\pm 3\%$
Setting accuracy:	0 to +30%
Reset time:	during timing: 50mSec

Trigger input (S2):

Max consumption:	5mA
Min input time:	25mSec
Max input time:	Continuous

Relay outputs:

Output contacts:	SPCO units 10Amps/250V AC1 DPCO units 8Amps/250V AC1
Max switching voltage:	250VAC, 30VDC
Mechanical life:	30 Million ops
Electrical life:	200K ops at max rated load

Supply voltage:

Supply voltage tolerance:	$\pm 15\%$
Frequency:	50/60Hz
Max power consumption:	10VA

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

