

DIN RAIL 8 & 11 PIN PLUG IN DEDICATED VOLTAGE, MULTI TIME RANGE, ASYMMETRICAL CYCLIC TIMERS

TYPES: YRD, 8RD, 11RD (spco) & 11R2D (dpco)

PRODUCT GROUP
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FEATURES

- Din rail & pin plug in versions
- SPCO & DPCO versions
- Single coil voltages 12VDC to 230VAC
- Selectable "pulse first" or "pause first"
- T1 & T2 both multi time range 1 sec to 100 days
- Dual colour LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

Asymmetrical cyclic output timers available as either din rail mounted or 8 & 11 pin plug in with a DPCO output version also as an 11 pin. Two selector switches are provided to select one of eight different time ranges from 1 sec to 100 days independently for both T1 & T2, fine time adjustment on a selected range is then achieved via the two percentage potentiometers. The plug in version the time can be selected to be "pulse first" or "pause first" via an external wired link between pins 5 & 6. This is an option available on the din rail version but has to be specified when ordering. The timers feature a bi-colour LED to indicate output relay status, green when timing red when energised. All terminal details along with the CE mark is clearly marked on the sides of the housing.

Pause first (Standard din rail version YRD) - initiated by the connection of the supply voltage and the link between pins 5 & 6 left open. Timing commences to energise relay contacts and then times to de-energise relay contacts. This cycle continues so long as the supply is connected. The time period for both energisation and de-energisation (T1 & T2) are independently selectable. If the supply is removed at any point within the cycle any remaining time will be cancelled and if the relay contacts are energised they will de-energise.

Pulse first (Inverted din rail version YRD I) - exactly as above but the link between pin 5 & 6 needs to be closed. On connection of the supply voltage the relay contacts immediately energise and then time to de-energise.

SPECIFICATIONS

Timing:

Time ranges:	1 sec to 100 days (T1 & T2)
Repeat accuracy:	±0.5% of set value
Reset time:	Max 100mSec
Pulse first:	Via a wired link Closed
Pause first:	Via a wired link Open

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:	±15%
Frequency:	50/60Hz
Max power consumption:	7VA
Insulation:	2.5KV 50Hz impulse

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

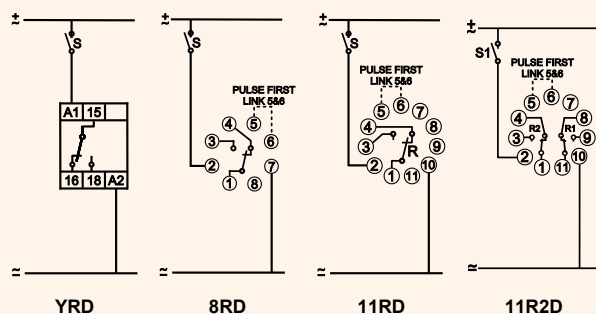
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FUNCTION



CONNECTIONS



TIME RANGES

Position 1:	1 - 10 secs	Position 5:	1 - 10 hrs
Position 2:	10 - 100 secs	Position 6:	10 - 100 hrs
Position 3:	1 - 10 mins	Position 7:	1 - 10 days
Position 4:	10 - 100 mins	Position 8:	10 - 100 days

ORDERING INFORMATION

TYPE	COIL VOLTAGE
YRD (Din rail SPCO)	12V DC
YRD I (Din rail SPCO Inverted O/P)	24V AC/DC
8RD (8 pin plug in SPCO)	48V AC/DC
11RD (11 pin plug in SPCO)	110V AC
11R2D (11 pin plug in DPCO)	230V AC

TIME RANGES

Position 1:	1 - 10 secs	Position 5:	1 - 10 hrs
Position 2:	10 - 100 secs	Position 6:	10 - 100 days
Position 3:	1 - 10 mins	Position 7:	1 - 10 days
Position 4:	10 - 100 mins	Position 8:	10 - 100 days

On request at extra cost this unit is available as a single cycle version (SC).

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