

DIN RAIL 8 & 11 PIN PLUG IN, DEDICATED VOLTAGE, FIXED OR ADJUSTABLE CYCLE TIME, FLASHER RELAYS

PRODUCT
GROUP
A

**TYPES: YRDB(F), 8RDB(F), 11RDB(F) (spco)
8R2DB(F), 11R2DB(F) (dpco)**

FEATURES

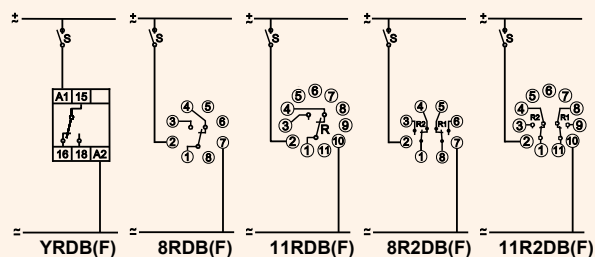
- Din rail & plug in versions
- SPCO & DPCO versions
- Simple & economic
- Ideal for OEM applications
- Single coil voltages 12VDC to 400VAC
- Fixed or adjustable cycle times
- LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

Din rail mounted or 8 & 11 pin plug in SPCO with a DPCO option on plug in units dedicated flasher relays, with dedicated coil voltages. The flashers are available as a standard fixed 1 sec On and 1 sec Off cycle ("DB" version) or with an adjustable cycle time, a set cycle time equates to "50% On & 50% Off". The relays can also on request, subject to a minimum quantity of 10 pieces, be factory set with any fixed cycle time, thus ensuring absolutely no operator interference. The timers feature a red LED to indicate relay output status. All terminal details with the CE mark is clearly marked on the sides of the housing.

On connection of the supply voltage the relay contact/s immediately energise (pulse start) and remain energised for 50% of the cycle time, followed by a de-energisation for the next 50% of the cycle time. If the supply voltage is removed at any point, any remaining elapsed time is cancelled and if the relay contact/s are energised they will de-energise immediately.

CONNECTIONS



FUNCTION



ORDERING INFORMATION

TYPE	TIME RANGE (F if required)	COIL VOLTAGE
YRDB (Din rail SPCO)	0.1 to 1 sec	12V DC
8RDB (8 pin plug in SPCO)	0.3 to 3 sec	24V AC/DC
11RDB (11 pin plug in SPCO)	0.6 to 10 sec	48V AC/DC
8R2DB (8 pin plug in DPCO)	0.3 to 30 sec	110V AC
11R2DB (11 pin plug in DPCO)	0.6 to 60 sec	230V AC
	1 to 100 sec	400V AC

If an adjustable version is required, enter suffix "F" into the order code and then the adjustable time range required, if time set to 10 sec this will equate to a cycle of: 5 sec On & 5 sec Off.

If suffix "F" is not entered a standard fixed "DB" version will be supplied with a 2 second cycle: 1 sec On & 1 sec Off.

On request other factory fixed cycles can be supplied enter suffix "P" after "DB" then specify exact fixed cycle time required.



SPECIFICATIONS

Timing:

Repeat accuracy:	
constant ambient:	±0.5% of set value
across temp range:	±3%
Setting accuracy:	0 to +30% (F versions)
Reset time:	
during timing:	100mSec
after timing:	50mSec

Relay outputs:

Output contacts:	SPCO units 5Amps/250V AC1 DPCO units 8Amps/250V AC1
Max switching voltage:	250VAC, 30VDC
Mechanical life:	20 Million ops
Electrical life:	50K ops at max rated load

Supply voltage:

Supply voltage tolerance:	±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