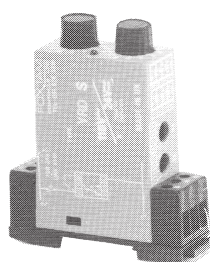


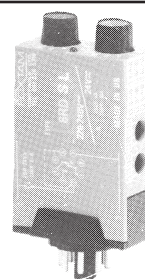
# RECYCLING TIMER WITH RELAY OUTPUT

YRD for DIN rail and panel mounting  
11RD for 11 pin plug-in mounting  
8RD for 8 pin plug-in mounting



YRD

- Separate variable control of ON and OFF time
- Two time ranges in any combination:
  - Range S from 0.06 to 160 sec
  - Range L from 15 sec to 640 min
- Customer selectable time range by switches
- 10 ampere rated single pole changeover relay
- The unit normally commences with the OFF time
- Only 24 mm wide case
- LED operation indicator



11RD/8RD

## MODE OF OPERATION:

Function D — Repeat cycle



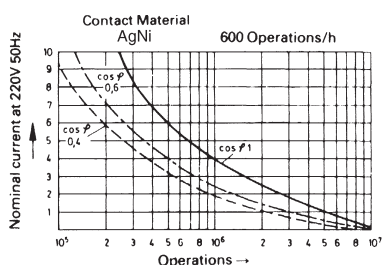
For Flasher Timers see separate data on page 30

## SPECIFICATION

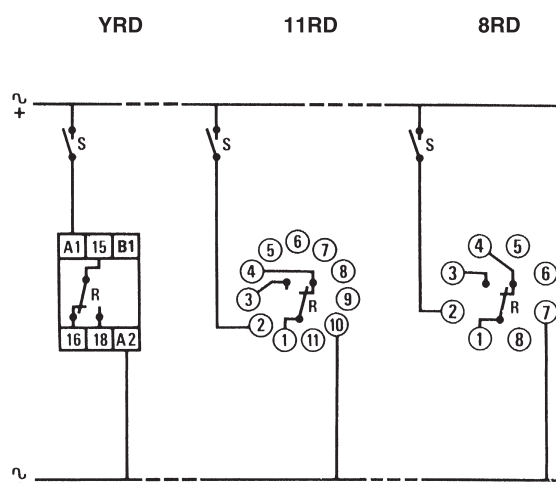
Supply tolerance .....	0.85 to 1.15 Un
Frequency .....	50-60 Hz
Power consumption .....	7 VA at 220 Vac
	0.6 W at 24 Vdc
Output .....	single pole changeover
Contact material .....	AgNi
Maximum loading .....	10 Aac or 1 Adc
Maximum switching voltage .....	250 Vac or 250 Vdc
Relay maximum power rating .....	2200 VA or 30 W
Maximum permissible peak current .....	15 A
Mechanical life of relay .....	$30 \times 10^6$ operations
Electrical life of relay .....	$2 \times 10^6$ operations at
	10 A 220 Vac resistive load
Repeat accuracy at a constant ambient ...	$\pm 0.5\%$
Repeat accuracy within temperature	
specification of VDE 0435 .....	$\pm 3\%$
Reset time: After timing .....	25 ms
During timing .....	50 ms
Operating and storage temperature .....	-20 to +60°C
Connection .....	screw terminals or plug-in
Weight .....	100 g
Dimensions .....	see page 5

The selection of time ranges is made by two separate pairs of switches situated on the underside of the case. The switches respectively control the ranges of T1 and T2. It is possible to have any combination of Range S and Range L on this timer.

## EFFECT OF POWER FACTOR ON RATING



## CONNECTIONS:



### Note 1

All versions except 12 V= will also operate on 24 V= by linking two terminals.

For 24 V= use.....Connect   A1-B1 (YRD)  
  2-5 (11RD)  
  2-6 (8RD)

### Note 2

Units are available to start with ON time — specify /I — as in YRD/I.

### Note 3

Version S/C operates for a single cycle ONLY, giving a delayed pulse function

## ORDERING INFORMATION:

	8RD-	S-L-	48/24
<b>Type and function of timer</b>			
— DIN-rail or panel mounting	YRD		
— 11 pin plug-in	11RD		
— 8 pin plug-in	8RD		
<b>Timing range (in 4 selectable sub-ranges):</b>			
<b>S</b> (0.06 to 160 sec)		<b>L</b> (15 sec to 640 min)	
● 0.06 to 0.6 sec		● 15 to 150 sec	
● 0.25 to 2.5 sec		● 1 to 10 min	
● 2 to 20 sec		● 8 to 80 min	
● 16 to 160 sec		● 64 to 640 min	
<b>Supply:</b> 230 V~, 110 V~ (50/60 Hz)			
48 V=, 24 V=			
12 V=(see Note 1)			