

Datasheet

ENGLISH

RS Pro 11 Pin Plug In, DPCO, Multi Voltage, Multi Time Range, Asymmetrical Cyclic Timer

RS Stock No: **178-5022**

Features

- 11 pin plug in
- DPCO
- Multi voltage 12-250VAC/DC
- Multi time range 1 sec to 100 days
- T1 & T2 separately adjustable
- Selectable “pause” first or “pulse” first
- Dual LED indication
- RoHS Compliant
- CE marked



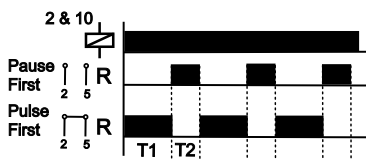
Description & Mode of Operation

An 11 pin plug in DPCO asymmetrical cyclic timer. A selector switch is provided to select eight different time ranges from 1 sec to 100 days independently on both T1 & T2, fine time selection on a selected range is then achieved via the two percentage potentiometers. A green supply on LED is featured along with a red LED to indicate relay output status. All pin details and the function information along with the CE mark is clearly marked on the sides of the housing.

Pause first - The timing is initiated by supply on pins 2 & 10. 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 on 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 - Exactly the same as above, but a volt free link needs to be fitted externally across pins 2 & 5. On the connection of the supply to pins 2 & 10 the relay contacts immediately energise and then time to de-energise.

Function



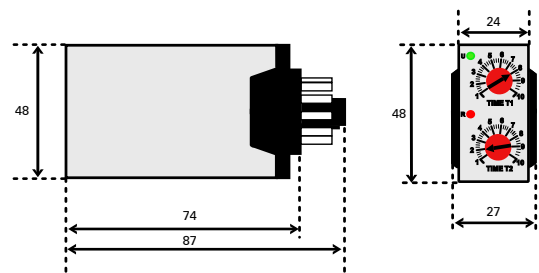
Time Ranges

- | | |
|---------------------------|---------------------------|
| 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 |

Specifications

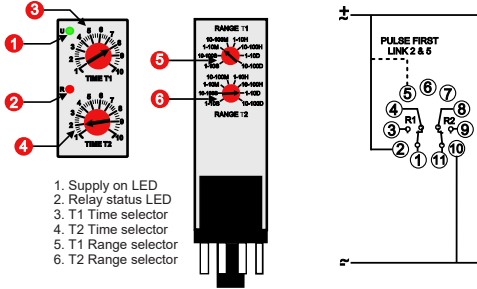
- Timing:**
 Time ranges: 1sec to 100 days
 Repeat accuracy: ±0.5% of set value
 Reset time: Max 100mSec
- Relay outputs:**
 Output contacts: 8Amps/250V AC1
 Max breaking capacity: 2000VA
 Mechanical life: 30 Million ops
 Electrical life: 200K ops at max rated load
- Supply voltage (2 & 10):**
 Supply voltage: 12-250V AC/DC
 Max power consumption: 5VA / 2.8W
 Insulation: 2.5KV 50Hz impulse
- General:**
 Operating temperature: -20°C to +65°C
 Storage temperature: -20°C to +65°C
 RoHS Compliant: Yes
 CE marked: Yes
 In accordance with: EN61000-6-2, EN61000-6-4, EN61010-1
 Housing material: Polycarbonate, Auto extinguishable to UL 94 V-0

Dimensions



Continued

Connections and settings



Installation & Setting

Installation must be carried out by qualified personnel

BEFORE INSTALLATION ISOLATE THE SUPPLY
 Connect unit as required (see connection diagram)

- **SETTING THE UNIT**
 Select the required 'Range' for 'T1' & 'T2' ⑤ & ⑥ then set the required 'Time' ③ & ④ this is a % of the selected range. Ensure the supply is removed before selecting the required time settings.
- **APPLYING THE POWER**
 Apply the power and the green LED ① will illuminate
 The red LED ② will illuminate when the relay is energised.