



ENGLISH

Datasheet

RS Pro 8 Pin Plug In, DPCO, Multi Voltage, Multi Time Range, Asymmetrical Cyclic Timer

RS Stock No: **178-5023**

Features

- 8 pin plug in
- DPCO
- Multi voltage 12-250VAC/DC
- Multi time range 1 sec to 100 days
- T1 & T2 separately adjustable
- Dual LED indication
- RoHS Compliant
- CE marked



Description & Mode of Operation

An 8 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.

The timing is initiated by supply on pins 2 & 7. Timing commences to energise relay contacts "pause first" 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.

Note

An 11 pin plug in DPCO version of this timer is also available **RS PRO 178-022** which features the selection of pulse first or pause first.

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

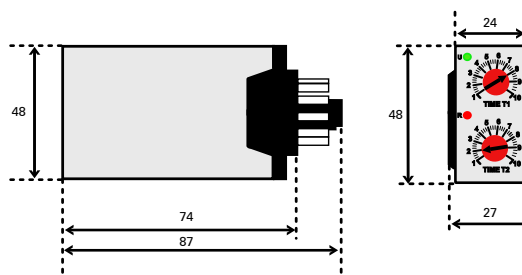
Supply voltage (2 & 7):

Supply voltage:	12-250V AC/DC
Max power consumption:	5VA / 2.8W
Insulation:	2.5KV 50Hz impulse

General:

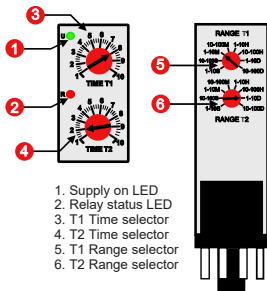
Operating temperature:	-20°C to +65°C
Storage temperature:	-20°C to +65°C
RoHS Compliant:	Yes
CE marked:	Yes
In accordance with:	EN61000-6-2 EN61000-6-4 EN61010-1
Housing material:	Polycarbonate, Auto extinguishable to UL 94 V-0

Dimensions

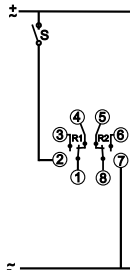


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Connections and settings



1. Supply on LED
2. Relay status LED
3. T1 Time selector
4. T2 Time selector
5. T1 Range selector
6. T2 Range selector



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.