

## Datasheet

**ENGLISH**

# RS Pro 11 Pin Plug In, DPCO, Tri Voltage, Multi Time Range, True Delay Off Timer

**RS Stock No: 178-5028**

### Features

- 11 pin plug in
- DPCO
- Tri voltage inputs 24VACDC, 110VAC, 230VAC
- Multi time range 0.1 sec to 30 mins
- Dedicated true delay off
- LED indication
- RoHS Compliant
- CE marked



### Description & Mode of Operation

An 11 pin plug in DPCO true delay off timer. The units are supply voltage selectable via the connection to different pins. Two selector switches are provided to select four different time ranges from 0.1 sec to 30 mins, fine time selection on a selected range is then achieved via a percentage potentiometer. Two green supply on LED's are featured to indicate supply healthy. On removal of the supply voltage and therefore the commencing of timing the LED's on this timer will extinguish. All pin details and the function information along with the CE mark is clearly marked on the sides of the housing.

The relay energises immediately the supply voltage is applied to the supply pins 10 to 2, 5 or 6 depending on the required supply voltage. When the supply voltage is removed the relay is held energised by a charged capacitor, the removal of the supply voltage instigates the timing period. After the timing period has elapsed the relay will de-energise. A break in the supply of less than the set time will therefore be ignored. Since the relay is held energised after the removal of the supply by a charged capacitor it is necessary that the initial connection of the supply voltage must be at least 500mSec to facilitate the full charging of the capacitor.

### Note

By nature a true delay off timer uses different relay technology, by the means of a magnetically latching mechanism. However, if subjected to undue physical shock, for example "in transit" the contacts maybe on initial connection be in the incorrect state. If this is the case this can be easily rectified by the connection and removal of the auxiliary supply voltage. Thus allowing the contacts to time out and return to the correct state.

### Time Ranges

0.1 - 10 secs	0.3 - 30 secs
0.1 - 10 mins	0.3 - 30 mins

### Specifications

#### Timing:

Time ranges:	0.1sec to 30 mins
Repeat accuracy:	±0.5% of set value
Reset time:	Max 100mSec
Min supply on time:	500mSec

#### 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:

Supply voltage:	24VACDC (6 & 10), 110VAC (5 & 10), 230VAC (2 & 10), selectable via pins
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Max power consumption: 7VA

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

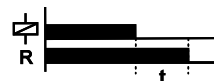
In accordance with: EN61000-6-2

EN61000-6-4

EN61010-1

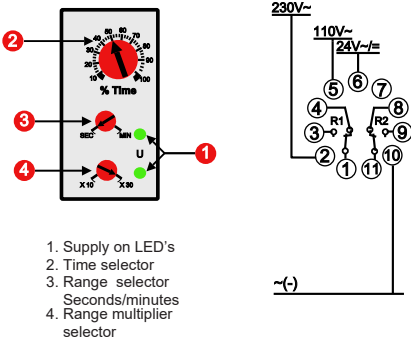
Housing material: Polycarbonate, Auto extinguishable  
to UL 94 V-0

### Function



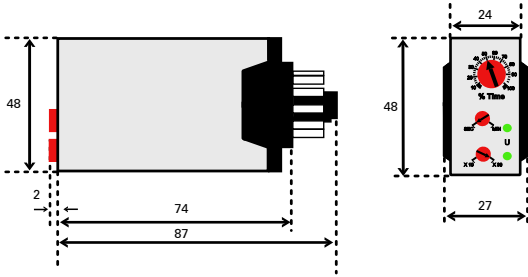
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### Connections and settings



- 1. Supply on LED's
- 2. Time selector
- 3. Range selector  
Seconds/minutes
- 4. Range multiplier  
selector

### Dimensions



### 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 multiplier' (4) then select 'Seconds or Minutes' (3) then set the required 'Time' (2) this is a % of the selected range.
- **APPLYING THE POWER**  
Apply the power and both green LED's (1) will illuminate. When the supply is removed both LED's will go off and the timing will commence.