# Datasheet

# RS Pro 11 Pin Plug In, 2 x SPCO, Multi Voltage, Multi Time Range, Star Delta Timer

## RS Stock No: 178-5024

### Features

- **11 pin plug in**
- **2 x SPCO relay outputs**
- **Multi voltage 12-250VAC/DC**
- **Star multi time range 0.1 sec to 10 mins**
- **Dedicated star delta**
- **Dual LED indication**
- **RoHS Compliant**
- **CE marked**



### Description & Mode of Operation

An 11 pin plug in 2x SPCO star delta delay timer. A selector switch is provided to select four different time ranges from 0.1 sec to 10 mins, fine time selection on a selected range is then achieved via a percentage potentiometer. A green supply on LED is featured along with a red LED to indicate relay output status. All terminal 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 & 10, which immediately starts the "star" time during which the "star" contacts remain closed. After expiry of the "star" time the "star" contacts open. This is followed by a pause of 100mSec and the "delta" contacts then close. Removal of the supply after timing has been completed and the "delta" relay contacts will de-energise, if removal of the supply is before timing has been completed, the remaining time will be cancelled.

### Function
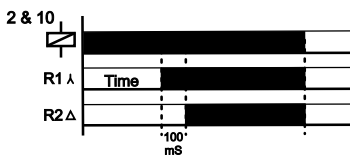


### Dimensions
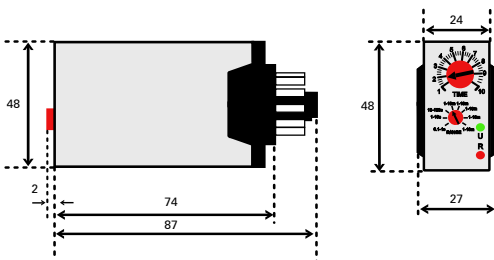


### Specifications

**Timing:**

| | |
|---|---|
| Time ranges: | 0.1sec to 10 mins |
| 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 |

### TIME RANGES

**Position 1: 0.1 - 1 sec**    **Position 3: 10 - 100 secs**
**Position 2: 1 - 10 secs**    **Position 4: 1 - 10 mins**

## Connections and settings
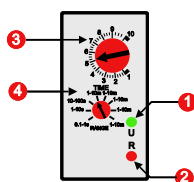


1. Supply on LED
2. Relay status LED
3. Time selector
4. Range selector

**R1 R2**
Y  Δ
**DWELL 100mS**
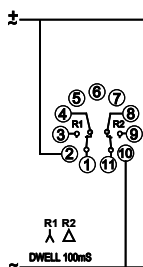
## Installation & Setting

⚠️ 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' ❹ then set the required 'Time' ❸ this is a % of the selected range.

Ensure the supply is removed before selecting the required function and time settings.

- **APPLYING THE POWER**

Apply the power and the green LED ❶ will illuminate

The red LED ❷ will illuminate when the relay is energised.