



## 2B, 2T & 3T-Series Timers

### Models Available

**2B** Octal 8 Pin Timer (2 Pole)

**2T** 11 Pin Timer (2 Pole)

**3T** 11 Pin Timer (3 Pole)

### Product Features

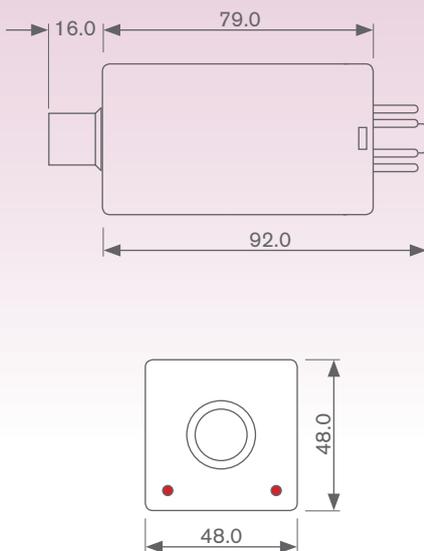
- Time ranges from 1 second to 60 hours
- Supply voltages from 12Vdc to 240Vac
- Octal 8 pin or 11 pin output
- Black 48mm square enclosure
- Local or remote potentiometer options
- Fixed time range option
- Plug-in socket mounting
- Plug-in sockets also available

The Tempatron 2B-series, 2T-series and 3T-series timers are housed in a compact 48mm square black enclosure which can surface/DIN rail mount to a socket and are powered from a large choice of AC or DC power options. Time ranges from 1 second to 60 hours are available, adjustable through the calibrated front control knob, or these timers can be supplied for use with a remote potentiometer. Fixed time ranges can also be specified.

These timers offer many different timing functions together with accurate, long-term switching reliability and high current switching contacts. The double pole or 3 pole changeover relay output contacts are isolated from the supply voltage and all timers (except TDD timers) have two LEDs to indicate both power and relay status.

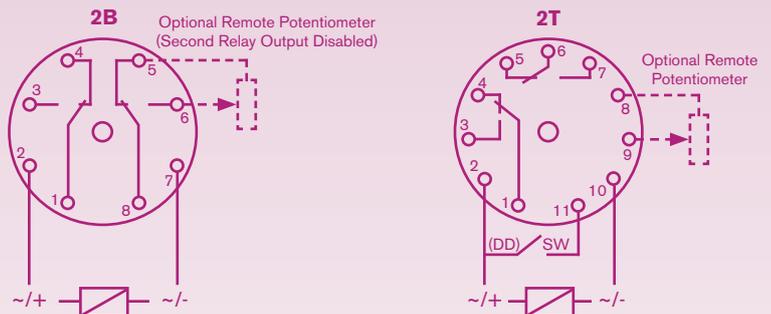
## For timing control of machinery, systems and operational processes

### Dimensions

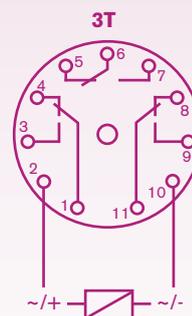


All dimensions in mm

### Connections



2TDDP: SW across terminals 2 to 11  
2TDDN: SW across terminals 10 to 11



View on pins

**Ordering information**

Model	Code	Description
	2B	Octal 8 Pin Timer (2 Pole)
	2T	11 Pin Timer (2 Pole)
	3T	11 Pin Timer (3 Pole)

Timing Function	Code	Description
	DE	Delay on Energise
	DDP	Delay on De-Energise - Positive Enabled (2T only)
	DDN	Delay on De-Energise - Negative Enabled (2T only)
	INT	Interval
	TDD	True Delay on De-Energise (N/A for 3T)
	DC	Delayed Cycling (N/A for 3T)
	IC	Immediate Cycling (N/A for 3T)

Time Range	Code	Description
<b>(Twice for DC or IC Function)</b>	1S	0.05 to 1 second
	2S	0.1 to 2 seconds
	5S	0.25 to 5 seconds
	10S	0.5 to 10 seconds
	30S	1.5 to 30 seconds
	60S	3 to 60 seconds
	2M	0.1 to 2 minutes
	5M	0.25 to 5 minutes
	10M	0.5 to 10 minutes
	30M	1.5 to 30 minutes
	60M	3 to 60 minutes (N/A for DD & TDD)
	2H	0.1 to 2 hours (N/A for DD & TDD)
	5H	0.25 to 5 hours (N/A for DD & TDD)
	10H	0.5 to 10 hours (N/A for DD & TDD)
	30H	1.5 to 30 hours (N/A for DD & TDD)
	60H	3 to 60 hours (N/A for DD & TDD)

Potentiometer	Code	Description
<b>(Twice for DC or IC Function)</b>	LP	Local Potentiometer
	RP	Remote Potentiometer (N/A for 3T)
	FT	Factory Preset Fixed Time Range (specify)

Auxiliary Power	Code	Description
	12VDC	12Vdc (N/A for TDD)
	24VDC	24Vdc
	110VAC	110Vac
	240VAC	240Vac
	Other	Specify (subject to technical viability)

Options	Code	Description
	AZ68	Octal DIN Rail/Panel Mount Socket
	AZ611	11 Pin DIN Rail/Panel Mount Socket
	S8P	Octal DIN Rail/Panel Mount Socket
	S11P	11 Pin DIN Rail/Panel Mount Socket

**Example**                    **2BDE10SLP240VAC**

**Specification****Repeat Accuracy:**

- $\pm 1\%$  at constant ambient (20ms min.)
- Setting accuracy  $\pm 5\%$

**Power Supply Voltage:**

- 24V, 50V, 110V, 240Vac ( $\pm 15\%$ )
- 12V, 24V, 48V, 100Vdc ( $\pm 15\%$ )

**Minimum Supply Time (TDD only):**

- (Tm+50)ms  
where Tm = full range in seconds  
(minimum 3 seconds)

**Burden:**

- 2W or 4VA (20VA for TDD)

**Frequency:**

- 50/60Hz

**Relay Output:**

- 2 or 3 pole changeover contacts

**Contact Rating:**

- 10A at 240Vac/30Vdc (resistive)
- TDD: 5A at 240Vac/30Vdc (resistive)

**Electrical Contact Life:**

- 500,000 operations at 10A
- 200,000 operations at 5A (TDD)

**Mechanical Contact Life:**

- 50 million operations at 10A
- 10 million operations at 5A (TDD)

**Reset Time:**

- 100ms approx. (200ms for DC)

**Operating Temperature:**

- $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$

**Enclosure Code:**

- Case IP40

**Weight:**

- 130g (TDD 150g)

**Markings:**

- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

Tempatron: Eltime House, Hall Road, Maldon, Essex, CM9 4NF UK.

# TEMPATRON

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