2B-Series Timers

Models Available

2B Octal 8 Pin Timer (2 Pole)

Product Features

- Time ranges from 1 second to 60 hours
- Supply voltages from 12Vdc to 240Vac
- Octal 8 pin (2 pole) output
- Black 48mm square enclosure
- Local or remote potentiometer options
- Fixed time range option
- Plug-in socket mounting
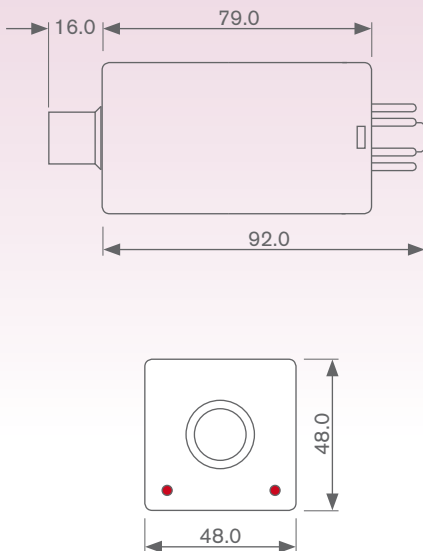- Plug-in sockets also available

The Tempatron 2B-series 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.
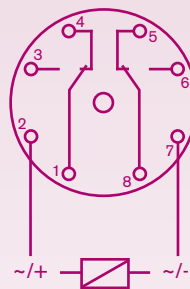
The double pole changeover relay output contacts are isolated from the supply voltage and all timers (except TDD timers) have two LEDs to indicate both power and relay status.

For timing control of machinery, systems and operational processes

Dimensions

16.0 79.0

92.0

48.0

48.0

Connections

~/+   ~/-

View on pins

All dimensions in mm

Tempatron   Email: sales@tempatron.co.uk   Web: www.tempatron.co.uk   Continued...

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Ordering information

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

Timing Function	Code	Description
	DE	Delay on Energise
	INT	Interval
	TDD	True Delay on De-Energise
	DC	Delayed Cycling
	IC	Immediate Cycling

Time Range	Code	Description
	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
	LP	Local Potentiometer
	RP	Remote Potentiometer
	FT	Factory Preset Fixed Time Range (specify)

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

Options	Code	Description
	CDSR08	Octal Rear Screw Panel Socket
	AZ68	Octal DIN Rail/Panel Mount Socket
	S8P	Octal DIN Rail/Panel Mount Socket

Example	**2BDE10SLP230VAC**

Specification

Repeat Accuracy:
- ±1% at constant ambient (20ms min.)
- Setting accuracy ±5%

Power Supply Voltage:
- 24V, 50V, 110V, 240Vac (±15%)
- 12V, 24V, 48V, 100Vdc (±15%)

Minimum Supply Time (TDD only):
- (Tm+50)ms
  where Tm = full range in seconds

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

Frequency:
- 50/60Hz

Relay Output:
- 2 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°C to 60°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.

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