

2000 MKII Series Timers



Family features

- ▶ Dedicated Range of Timers with variations available to order
- ▶ Six decade and sign easily read display
- ▶ Microprocessor controlled
- ▶ Easy to set up and operate
- ▶ Counts in milliseconds, and displays seconds, or minutes, or tenths of hours
- ▶ Offset facility (+ or -)
- ▶ Programmable decimal point
- ▶ Remote Start, Stop and Reset
- ▶ Half DIN panel mounting case (96mm x 48mm)
- ▶ Choice of supply 115V AC / 230V AC / 24V DC
- ▶ Two years warranty

Standard options

- ▶ User programmable High and Low alarms
- ▶ Relay output
- ▶ Serial output
- ▶ Fully scalable analogue output (0-1V, or 0-5V, 0-10V, or 0-20mA, or 4-20mA)
- ▶ 15-35V DC supply (suitable for use with vehicles operating on 24V batteries)

Special options

- ▶ Customised design or operation to suit unusual or dedicated applications – call our Sales Office to discuss your requirements

Typical applications

- ▶ Process control in timed steps
- ▶ Warning of interim stages
- ▶ Total lapsed time indication








Technical specification

| | |
|---------------------------|--|
| Display | 6 decade and sign, 10mm, red seven segment high brightness LED |
| Decimal point | Programmable from front panel |
| Scaling | Programmable and retained in EEPROM (non volatile memory) |
| Control inputs | Go, Stop, Reset (timing sequence) Reset alarm (if alarm is set to latching mode) Requires sink to 0V of 220 ohms maximum |
| Outputs | |
| DC voltage | 10V to 12V DC unregulated @ 80mA maximum |
| Alarm below) | High / low alarms - open collector 200mA @ 60V maximum (see relay option |
| Connections | Screw terminals on the rear panel |
| Power requirements | Factory selected at 115V <i>or</i> 230V AC 50/60Hz, Loading 3VA (A factory fitted option to operate from a 24V DC supply is available to order) |
| Temperature range | |
| Operating | 0°C to +50°C |
| Storage | -20°C to +80°C |
| Dimensions | 96 x 48 x 104 mm (panel cut-out 92 x 43 mm) |
| Weight | 0.5 kg (standard mains version) |

Ordering guide

Please use the following order codes - if in doubt call our Sales Office for assistance:

2000 

| | |
|--|--|
|  | REQUIRED S Standard Timer (displays seconds, minutes, tenths of hours) AS Timer with open collector alarm output. |
|  | OPTIONAL L Latching alarm P Pulsed alarm T Toggled alarm |
|  | OPTIONAL HV Higher transducer supply voltage (24V DC @ 50mA) |
|  | OPTIONAL IF RS232 Interface |
|  | OPTIONAL ANALOGUE OUTPUT 020 0 - 20mA analogue output 420 4 - 20mA analogue output 1V 0 - 1V analogue output 5V 0 - 5V analogue output |
|  | REQUIRED F Full switch option S Single switch option (only the FUNC switch is instantly accessible - the other switches are hidden behind the front panel) |
|  | REQUIRED 115 115V AC power supply 230 230V AC power supply 24 24V DC power supply |

Note the analogue output option cannot normally be fitted if a DC supply is used to power a Counter. If you need this facility, contact our Sales Office for a quote to supply a modified instrument.

Optional Enhancements for the 2000 Series Range (Order Separately)

| | |
|----------------|--------------------------------|
| SPC4 | Splash-proof cover |
| A_IN1V | Analogue input module (0-1V) |
| A_IN5V | Analogue input module (0-5V) |
| A_IN10V | Analogue input module (0-10V) |
| A_IN020 | Analogue input module (0-20mA) |
| A_IN420 | Analogue input module (4-20mA) |
| RMOD | Relay Module |

Examples:

- 2000S/5VF/115 Timer with 0-5V analogue o/p & Full switch set, for operation on 115V AC mains supply
- 2000ASIFR/S/230 Timer with relay output, RS232, & Single switch options, for operation on 230V AC mains supply

MADE IN THE UK

Reliability, Guaranteed



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