

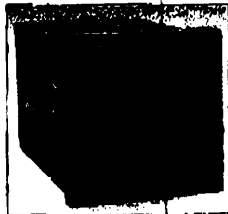
ANALOGUE TIMERS

L SERIES (cont.)

Standard Items

Mode	Voltage	Time	Output	Part Number	
Delay-On	110Vac	10 secs	SPCO	LDE10S110VAC	
		60 secs		LDE60S110VAC	
		10 secs		LDE10S230VAC	
	230Vac	60 secs		LDE60S230VAC	
		110Vac		10 secs	L2DE10S110VAC
				60 secs	L2DE60S110VAC
230Vac	10 secs	L2DE10S230VAC			
	60 secs	L2DE60S230VAC			

TT4800 MULTI-RANGE TIMERS



The TT4800 Timers have been styled to match the TC4800 Temperature Controllers (see page 10). Delay On and True Delay Off operating modes are available each with multi-time ranges (adjustable from a rotary switch) plus a lockable dial to prevent tampering.

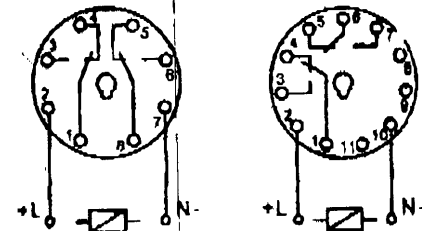
- Up to 5 selectable Time Ranges
- Dual, 5 Amp Output relay contacts
- 24Vdc, 110Vac & 230Vac Supply options
- Lockable dial to prevent tampering
- CE EMC and Low Voltage compatible

Specification

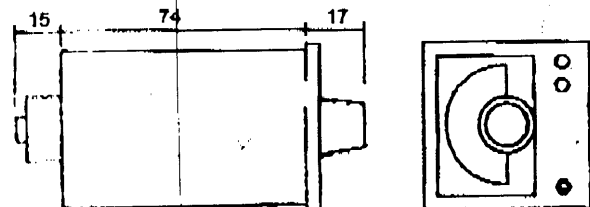
Supply voltage:	24Vdc, 110, 230Vac @ 50/60 Hz
Min. Supply time:	4 secs (TT4802 - TDD models only)
Power drain:	2W or 4VA
Supply limits:	+/- 15% of supply voltage
Timing Modes:	DE or TDD See chart below
Timing Ranges:	Multi-range: 6S, 60S, 6M, 60M, 6H for TT4801 3S, 30S, 3M, 30M for TT4802
Scale range:	5% to 100% of selected range
Calibration:	-0 to +5% of full scale range
Repeat accuracy:	1% of scale value
Reset time:	100msec
Output Config:	DPCO relay contacts
Output rating:	5A/240Vac or 30Vdc resistive
Electrical life:	1x10 ⁶ ops at rated load
Mechanical life:	10x10 ⁶ ops.
Operating temp:	-10°C to +60°C
CE compatibility:	meets EN61010-1 low voltage and EN50081-1/58002-1 emc directives
Weight:	DE 150gms, TDD 160gms

Modes	Delay On (DE)	True Delay Off (TDD)
Supply		
Output		
Time	T	T

Connection Diagrams



Dimensions

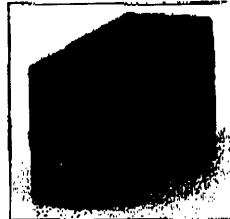


Standard Items

Model	Base	Voltage	Part Number
Delay-On	8-pin	230Vac	TT4801-01
		110Vac	TT4801-02
		24Vdc	TT4801-03
True	11-pin	230Vac	TT4801-11
		110Vac	TT4801-12
		230Vac	TT4802-01
Delay Off	8-pin	110Vac	TT4802-02
		24Vdc	TT4802-03
		230Vac	TT4802-11
	11-pin	110Vac	TT4802-12

For suitable wiring socket see page 26

MT4L MINIATURE TIMERS



The MT4L Series are miniature, 4 pole relay output, analogue Timers operating in a 'Delay-on-Energise' mode only. They offer a range of times and four standard voltages.

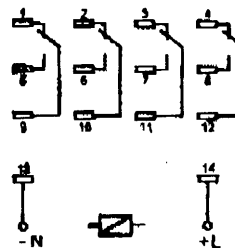
- 11 Time Ranges up to 60 minutes
- 4PCO relay outputs
- 24Vdc, 24vac, 110Vac & 230Vac supplies
- Miniature size

Specification

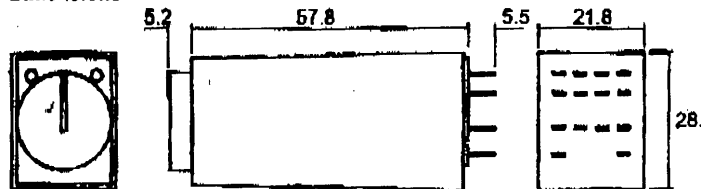
Supply voltage:	24Vac, 110Vac, 230Vac @ 50/60 Hz, 24Vdc
Power drain:	2VA or 2W max.
Supply limits:	+/- 10% of supply voltage
Timing Modes:	Delay On (DE)
Timing Ranges:	1, 2, 5, 10, 30, 60 Sec, 2, 5, 10, 30, 60 Min
Scale range:	5 to 100% of max time setting
Scale accuracy:	+/- 5% of timing range
Repeat accuracy:	<2% of scale value
Reset time:	100msec max.
Output rating:	4PCO relay, 3A @ 240Vac or 30 Vdc resistive
Electrical life:	2x10 ⁶ ops at rated load
Operating temp:	-10°C to +60°C
Weight:	50 gms
Wiring Socket:	ERS1488 socket & C1016 clip - see page 26

Connection Diagram

Connections viewed from base of Timer



Dimensions



Standard Items

Voltage	Time	Part Number	Voltage	Time	Part Number
230Vac	5 sec	MT4L5S230VAC	24Vdc	5 sec	MT4L5S24VAC
	10 sec	MT4L10S230VAC		30 sec	MT4L30S24VAC
	30 sec	MT4L30S230VAC		10 min	MT4L10M24VAC
	60 sec	MT4L60S230VAC		5 sec	MT4L5S24VDC
	5 min	MT4L5M230VAC		10 sec	MT4L10S24VDC
	10 min	MT4L10M230VAC		60 sec	MT4L60S24VDC
110Vac	5 sec	MT4L5S110VAC			
	10 sec	MT4L10S110VAC			
	30 sec	MT4L30S110VAC			
	60 sec	MT4L60S110VAC			