

# Deep Sea Electronics Plc

## 200 Series TIMERS

### TRUE DELAY ON DE-ENERGISE (TDD)

#### DESCRIPTION

The true delay on de-energise timer (TDD) has been designed to replace electro-hydraulic and pneumatic timers. A timed delay is provided upon removal of the supply. Indication of power and state of relay is via LED indication.

- Available in 8 & 11 pin configuration
- Large choice of time ranges
- 2 pole 5 amp
- 12 or 24 v DC

#### SPECIFICATIONS

##### SUPPLY VOLTAGES:

DC MODELS: 12v (9.5 to 17v)  
24v (18 to 32v)

TIMER ACCURACY: +10% - 0% of full scale

REPEAT ACCURACY: 1% of range

TIMER RANGE: 0 - 30 secs  
Others on request

MINIMUM TIME: 50 msecs or 1% of range

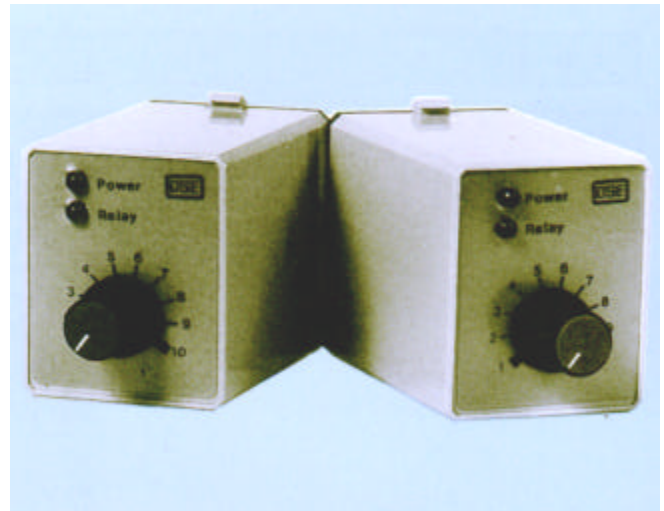
RESET TIME: typically 40msec

OPERATIONAL CURRENT: approx 80 milli amps

PROTECTION: DC timers are reverse polarity protected, all units are protected from short term supply born transients.

RELAY CONTACTS: 2 pole changeover 15 amp  
resistive at 240v AC

OPERATING TEMPERATURE: -10°C TO +60°C



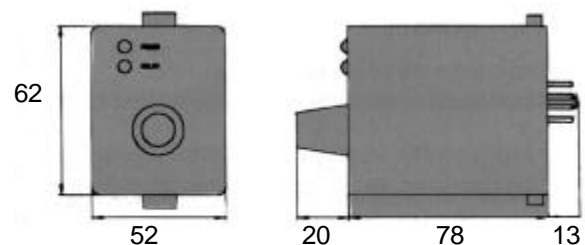
#### OPERATION

On application of a continuous supply voltage, the relay is energised and the relay contacts change state. The POWER and RELAY LEDs will be illuminated. On removal of the supply voltage, timing is initiated. At the end of the preset time period, the relay will de-energise and remain in this state of operation, no LEDs will be illuminated.

For correct operation, the supply must be connected for a minimum time of 50ms + 1ms for each second of the maximum operating time of the timer.

#### CASE DIMENSIONS

Dimensions in mm



#### ORDERING INFORMATION

Refer to section 1

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