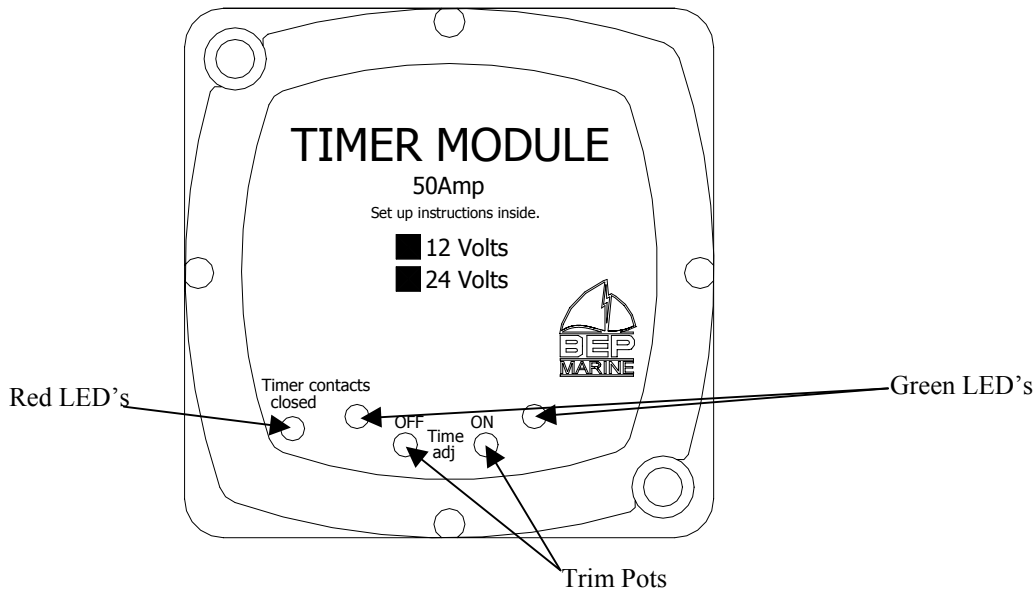




## 501-12V & 501-24V TIMER MODULES

### OWNERS INSTRUCTION MANUAL



#### 501 Timer Module

**The 501-timer module offers timed function control of electrical systems.**

The 501-timer has two different timing characteristics;

1. The timer can be used for initiating a circuit for a set period of time. This is a single operation.
2. The timer can be used to switch a circuit on for a period of time and then off for a period of time on a continuous basis.

Examples of application for **function (1)** include holding tank pump out, shower drain, pump out, and electric toilets.

Examples of application for **function (2)** include bait tank circulation and engine room ventilation.

**Both Timer functions** are actuated by a momentary switch.

Periods of operation are fully adjustable between 0-60 seconds or 0-60 minutes.

Adjustment is very simple using a trim pot system (in seconds mode) and removable links for changing between 0-60 seconds and 0-60 minutes.

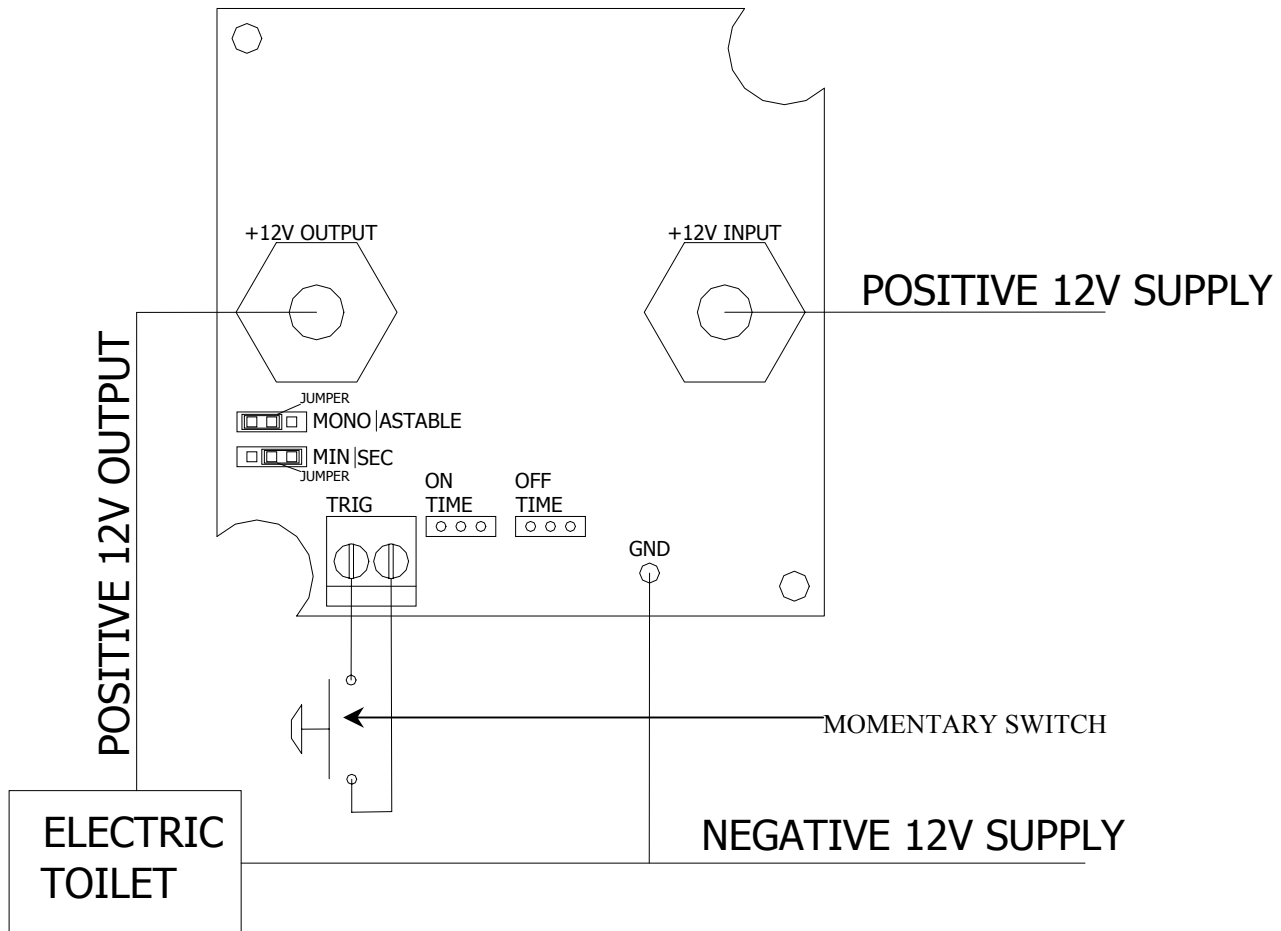
501-12V for 12 volt systems

501-24V for 24 volt systems

Timer relay rating: 50amps

Dimensions: 69mm x 69mm x 50h

## TYPICAL MONOSTABLE MODE APPLICATION



## SETTING MONOSTABLE MODE



With the jumper in the above position the timer is in monostable mode.

## SETTING THE TIME PERIODS



SECONDS:

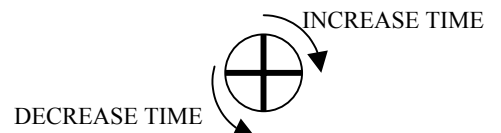
To set the time period for seconds ensure the min/sec jumper is in the sec position. Adjust the pots to suit the required time period.

MINUTES:

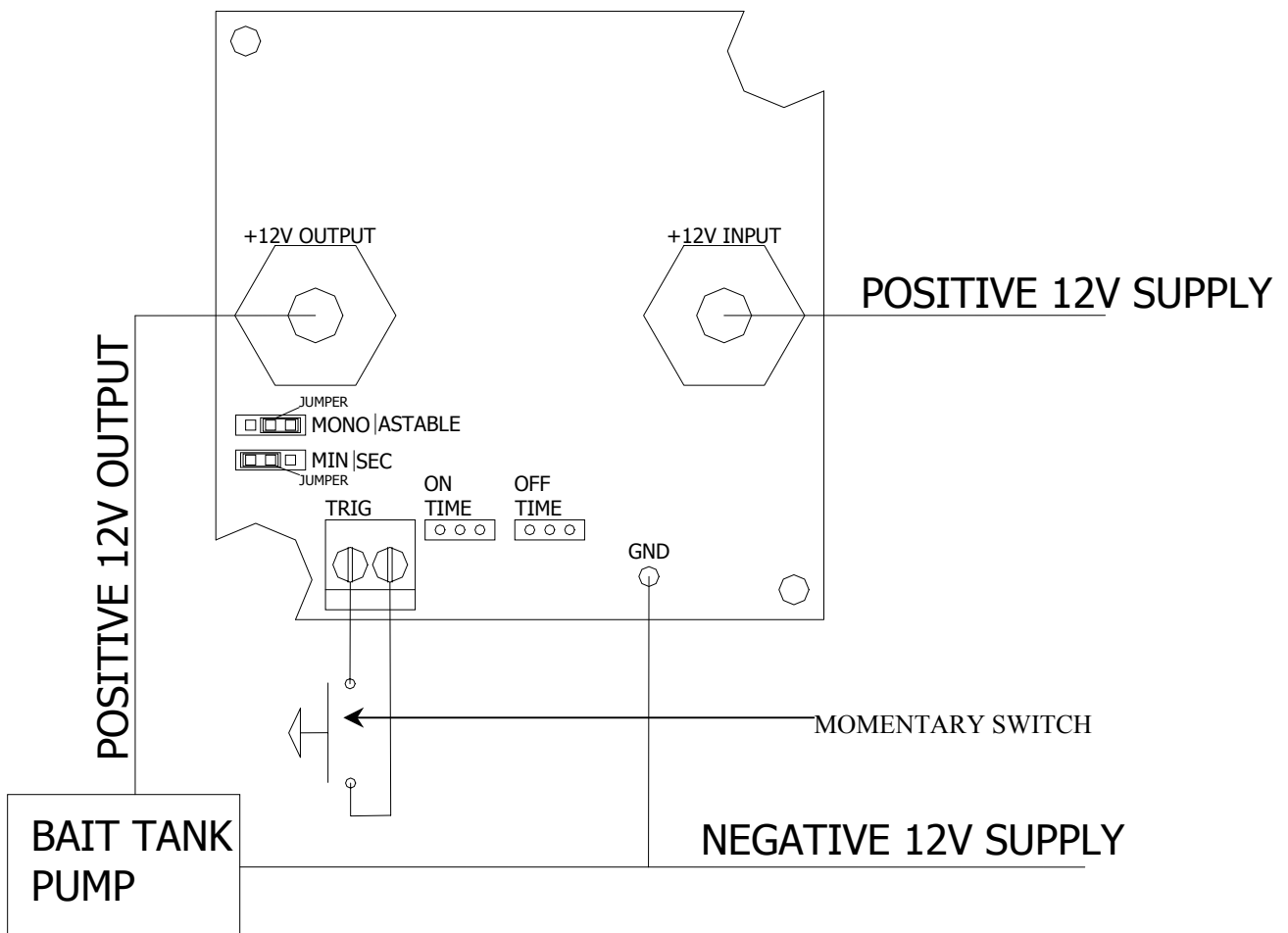
To set the time period for minutes ensure the min/sec jumper is in the sec position. Adjust the pots to suit the required time period ie 30 seconds for 30 minutes, once the period is set move the jumper to the minutes position.

**Note 1: The green LED's above the trim pots flash according to the time period ie short flash, short time period.**

**Note 2: The times can be adjusted with no load connected to the output. Only the +12V input and GND need to be connected.**



### TYPICAL ASTABLE MODE APPLICATION



### SETTING ASTABLE MODE



With the jumper in the above position the timer is in astable mode.

### ACTIVATING THE TIMER

**MONOSTABLE MODE:** Pressing the momentary switch will activate the timer causing the relay to switch on. After the preset time period has passed the relay will switch off and the timer unit will reset ready for the next time the switch is pressed.

**ASTABLE MODE:** Pressing the momentary switch will activate the timer which will go into its on-cycle/off-cycle sequence. Pressing the momentary switch a second time will switch the timer off.



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