

# Timer-2

Two On / Off Timer's - 5 ampere load Item #506

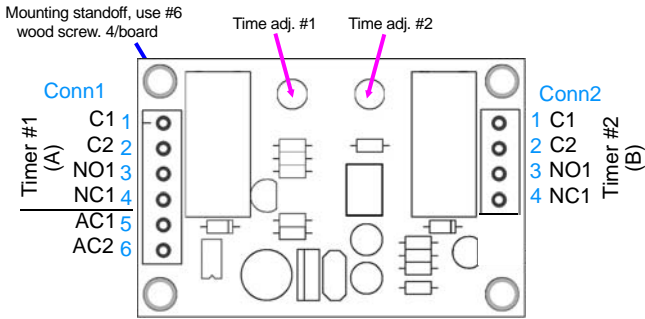


Fig 1: Timer-2 Basic Connections

AC1 / AC2.....fixed AC from power pack of 14 - 20 volts AC or 15 - 22 volts DC.

switch connections:

C1, C2.....Common 1 / Common 2.

NO1.....Normally Open for C1, Normally Closed for C2.

NC1.....Normally Closed for C1, Normally Open for C2.

install wires by stripping insulation back 3/16", place wire in hole, run screw down to clamp in position.



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The Timer-2 consists of two timers. Each has a switch contact that can turn items On and Off at a set time interval or reverse the polarity of a device. This is especially usable with train operation as well as animating figures, lights and other items.

Time is variable from approximately 1 to 90 seconds. A longer time interval is available upon special order.

Those who are familiar with schematic / wiring diagrams for basic relay contact connections should refer to Fig 1. For those who are not, Fig 2 should assist in wiring a simple on/off function. Fig 3 would be utilized to automate the DC reversal of many items. A DC type switch motor could be utilized to create up/down or sideways motion.

Remember, the fixed power is to operate the board and has nothing to do with the power to the items you want to control.

Fig 1: Relay Connections

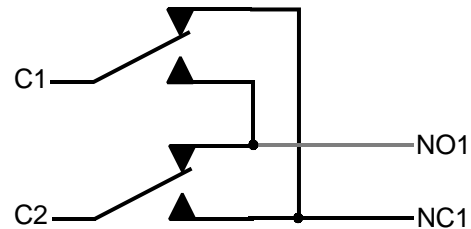
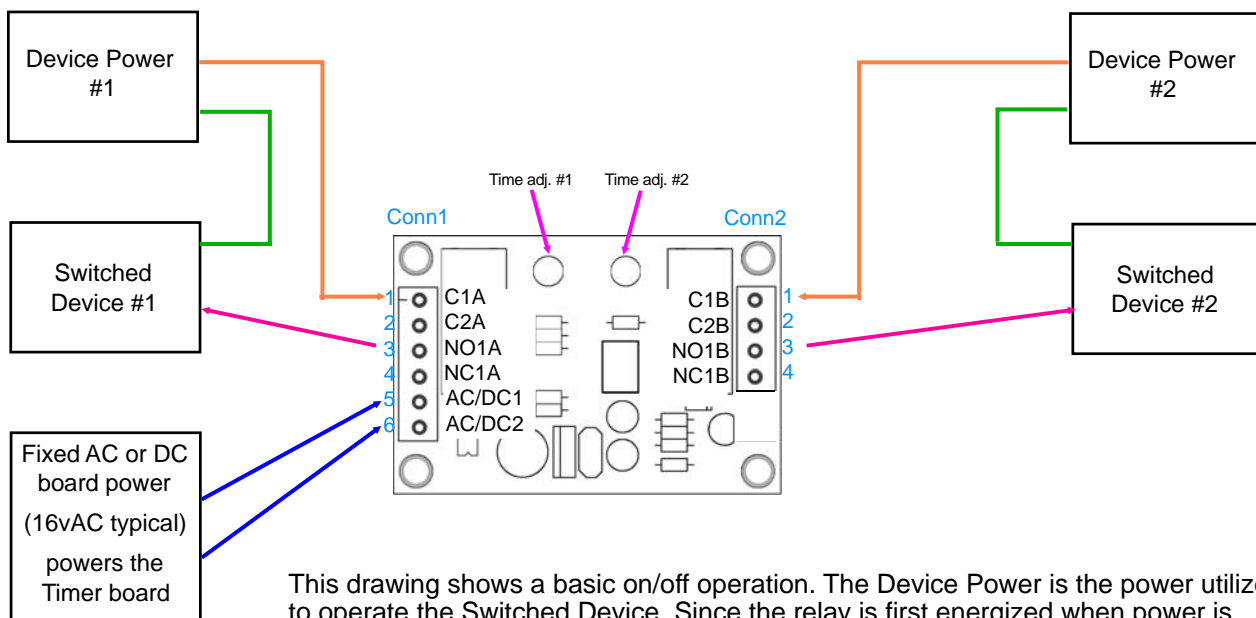


Fig 2: On / Off Operation



This drawing shows a basic on/off operation. The Device Power is the power utilized to operate the Switched Device. Since the relay is first energized when power is applied, the switched device will power up as well. If the opposite is desired, then merely move the wire from NO1 (3) to NO2 (4).

Since there are two timers on one board, the switching contacts are indicated by an "A" for the left hand timer and a "B" for the second timer which is on the right side of the board. The "Device Power" can be the same for both sides as well. They are shown separate for clarification and to show that two independent supplies can be used. There is only 1 fixed input power for the board as shown.