



6062 - Multi-purpose Timer

Overview:

Model 6062 programmable timer is suitable for many functions that require a timed operation e.g. Access Control Applications, Siren/Bell Cut Off Module, Dialer Delay, Guard Tour Supervisory Timer, etc. Some optional functions include: One Shot, Delayed Release, Delayed Operate, Delayed Pulse and Pulsar/Flasher. A new feature has been added which provides a momentary relay activation at the end of a desired timing cycle. This feature eliminates the need for having to use two (2) timers to achieve this function.

Specifications:

- 12VDC or 24VDC operation is selectable.
- Quick and extremely accurate time range adjustment from 1 sec. to 60 min.
- LED indicates relay is energized.
- Form "C" relay contacts are 8 amp at 120VAC/28VDC.
- Current Draw: Stand-by 3mA, Relay Energized 40mA.
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure.
- Selectable relay activation at the start or end of the timing cycle.
- One (1) second momentary relay activation at the end of the timing cycle (eliminates the need to use two (2) timers for this function).
- Built-in reset feature which cancels timing cycle.
- Repeat (pulsar/flasher) mode.
- Snap Track compatible (order Altronix model #ST3)
- DIN Rail Mount version available (order Altronix model #DTMR1).
- Board dimensions: 3"L x 2.5"W x .75"H (approximate)

Installation Instructions:

1. Mount 6062 in desired location/enclosure.
2. Set proper DC Input Voltage Dip Switch 3: 12VDC ON, 24VDC OFF.
3. Refer to **Dip Switch Selection** and **Jumper Selection Tables** for desired functions (e.g.: Timing, Trigger, Pulse)
4. Measure DC input voltage before powering device to ensure proper operation.
5. Refer to **Terminal Identification Table** and **Typical Applications fig. 1 thru fig. 8.** for desired wiring connections.
Note: When triggering via a N.O. (normally open), momentary or maintained trigger, connect the dry contact trigger to Pos (+) and TRG terminals. When triggering via a N.C. (normally closed), momentary or maintained trigger, connect the trigger to Neg. (-) and TRG terminals and install a resistor [for 12VDC - 2K (2,000 ohm) or for 24VDC - 4.7K (4,700 ohm)] between the Pos (+) and TRG terminals (*Fig. 8*).
6. Enable the reset features:
 - Cut J3 when power is removed the timer will reset and not re-trigger when power is restored unless a new trigger is applied.**Note:** The closed trigger and delayed pulse options will not operate if the reset feature is desired.

Dip Switch Selection Table:

| Dip # | Off | On |
|-------|---|---|
| 1 | Relay energizes at the start of timing cycle.* | Relay energizes at the end of timing cycle.* |
| 2 | 1-60 Minutes timing range (trimpot adjustable). | 1-60 Seconds timing range (trimpot adjustable). |
| 3 | 24VDC operating voltage. | 12VDC operating voltage. |
| 4 | Timing begins immediately upon trigger input. | Timing starts after removal of trigger input. |

* When relay energizes (LED is on) [N.O. & C] switch from open to close and [N.C. & C] switch from close to open.

Jumper Selection Table:

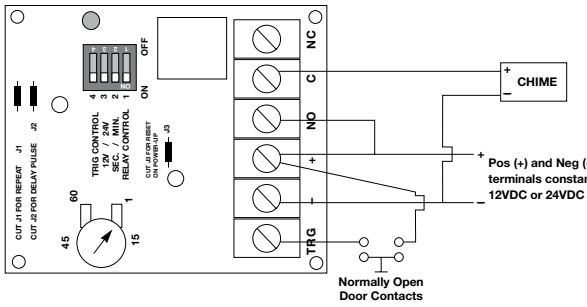
| Number | Function/Description |
|--------|--|
| J1 | Cutting J1 selects the pulser/flasher mode. Relay will flip ON and OFF continuously in equally set timed intervals when timer is powered up. |
| J2 | Cutting J2 puts timer in delayed output mode. Relay will pulse for 1 second at the end of a preset timing cycle. *Dip Switch 1 must be ON for this function. |
| J3 | 6062 will go through an initial timing cycle when first powered up unless J3 is cut. If J3 is cut, timing can only be initiated via TRG terminal. |

Terminal Identification:

| Terminal Legend | Function/Description |
|-----------------|--|
| TRG | Applying a positive voltage will activate timing cycle. Trigger voltage range: 7-12VDC at 12 volt setting, 15-24VDC at 24 volt setting. |
| -, + | Connect 12 or 24VDC filtered and regulated voltage. Refer to Dip Switch Selection Table for voltage setting. |
| N.O., C, N.C. | Dry form "C" relay contacts are rated 8 amp at 120VAC/28VDC. |

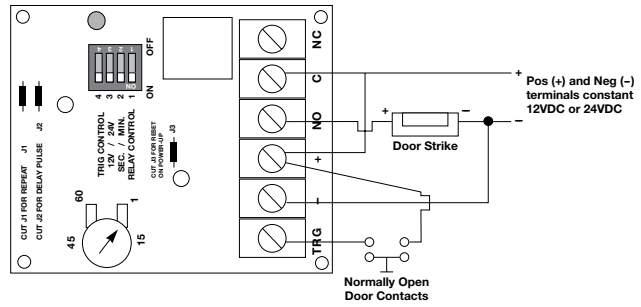
6062 Typical Applications:

Fig. 1 - Timed Door Annunciator:



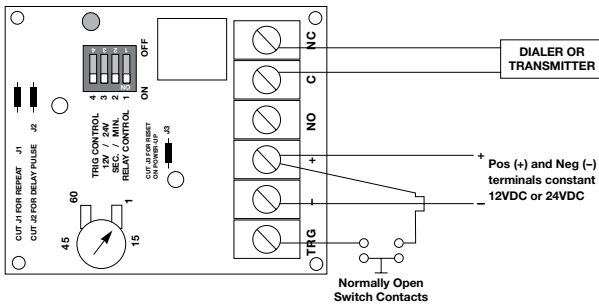
For this application Switch #1 and Switch #4 should be in the OFF position.

Fig. 5 - Timed Door Strike:



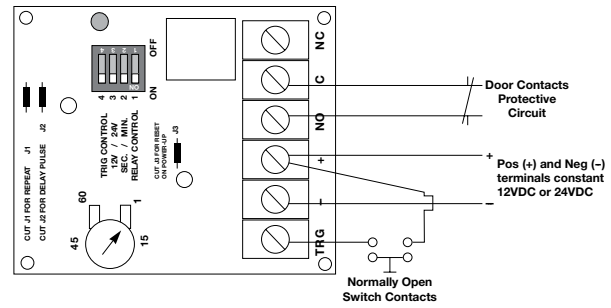
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 2 - Guard Tour Supervisory Timer:



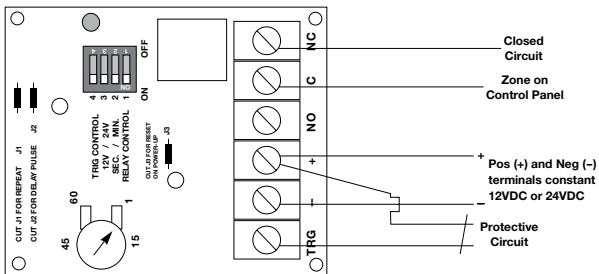
For this application Switch #1 and Switch #4 should be in the OFF position.

Fig. 6 - Timed Shunt for a Door: Use to bypass alarm contacts.



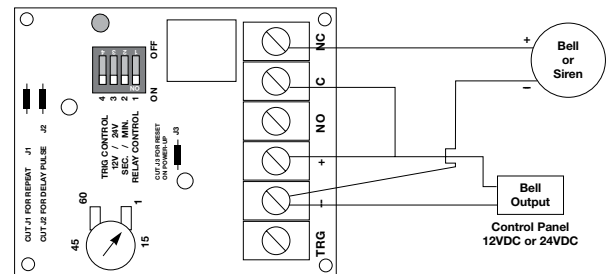
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 3 - Swinger Eliminator:



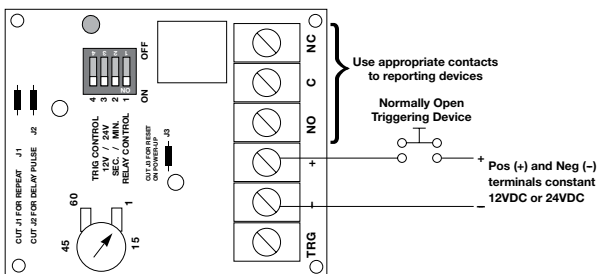
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 7 - Bell Cut Off Timer:



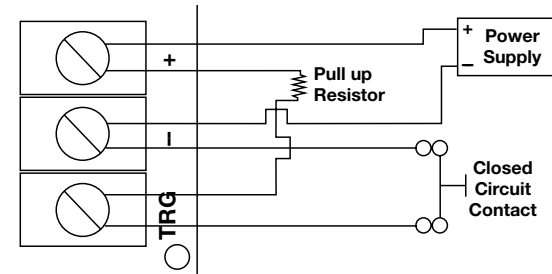
For this application Switch #1 should be in the ON position and Switch #4 is not used in this application.

Fig. 4 - Delay Timer: Use for Door Ajar Alarm, Delayed Activation of Digital Dialer, Defrost Cycle Timer, etc...



For this application Switch #1 should be in the ON position and Switch #4 is not used in this application.

Fig. 8 - Closed Circuit Trigger Option:



For this application a resistor [for 12VDC - 2K (2,000 ohm) or for 24VDC - 4.7K (4,700 ohm)] must be installed as shown (resistor not supplied).

Altronix is not responsible for any typographical errors.

