



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:

Input:

- 12VDC or 24VDC operation is selectable.

Current Draw:

- Stand-by: 3mA, Relay energized: 40mA.

Relay:

- 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).

Visual Indicators:

- LED indicates relay is energized.

Electrical:

- Operating temperature: -20° C to 49° C ambient.

Features:

- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure.
- Quick and extremely accurate time range adjustment from 1 second to 60 minutes.
- Built-in reset feature that cancels timing cycle.
- Repeat (flasher/pulse) mode.

Mechanical:

- Snap Trac compatible (order Altronix model #ST3).
- Board Dimensions (L x W x H approx.): 3" x 2.5" x 0.75" (76.2mm x 63.5mm x 19.05mm).
- Product weight (approx.): 0.1 lb. (0.05 kg).
- Shipping weight (approx.): 0.15 lb. (0.07 kg).

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 through 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:

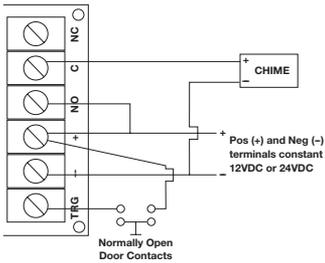
Number	Function/Description
J1	Cutting J1 selects the pulser/flasher mode. Relay will flip ON and OFF continuously in equally set timed intervals when timer is powered up.
J2	Cutting J2 puts timer in delayed output mode. Relay will pulse for 1 second at the end of a preset timing cycle. *DIP Switch 1 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 8A at 120VAC/28VDC.

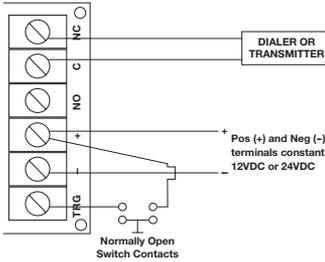
6062 Typical Applications:

Fig. 1 - Timed Door Annunciator:



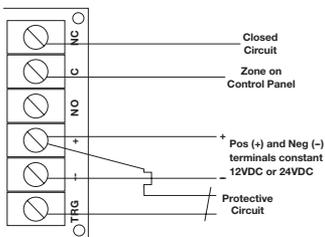
For this application Switch #1 and Switch #4 should be in the OFF position.

Fig. 2 - Guard Tour Supervisory Timer:



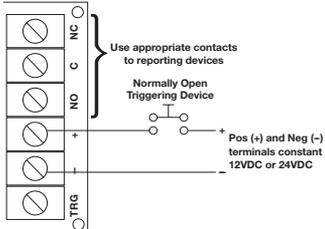
For this application Switch #1 and Switch #4 should be in the OFF position.

Fig. 3 - Swinger Eliminator:



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

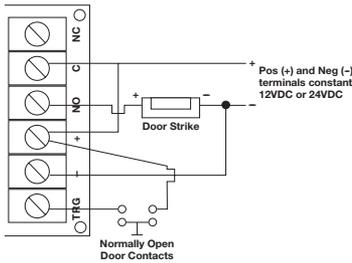
Fig. 4 - Delay Timer: Use for Door Ajar Alarm, Delayed Activation of Digital Dialer, Defrost Cycle Timer, etc...



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

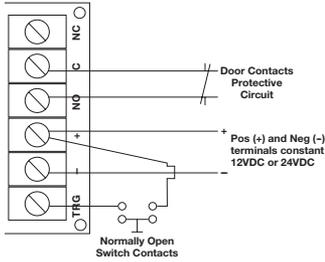
Altronix is not responsible for any typographical errors.

Fig. 5 - Timed Door Strike:



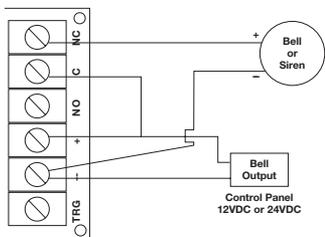
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

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



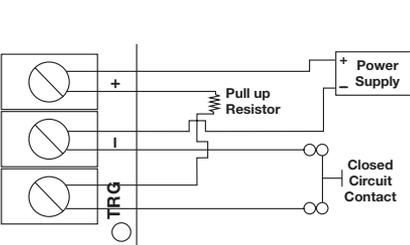
For this application Switch #1 should be in the OFF position and Switch #4 should be in the ON position.

Fig. 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. 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).

