Altronix® *Tempo2 - One-Shot/Test Timer*

Overview:

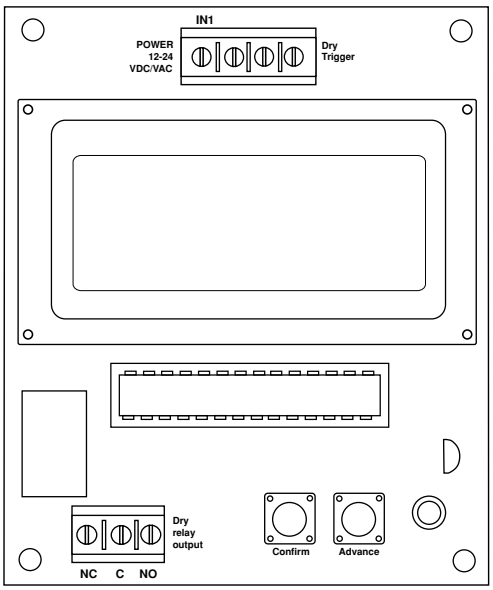
Model Tempo2 Digital Test / Trigger Mode Timer is suitable for many applications that require a timed operation. e.g. delayed egress with a programmable 1-60 second door release after delay expires, door prop alarm, door annunciator, alarm swinger eliminator, etc. Digital display facilitates ease of programming and indicates time remaining before relay activation. Daily/Weekly test mode can be used to trigger digital communicators or radio transmitters and provide Central Stations with an alarm test signal.

Specifications:

- Input 12 or 24 Volts AC or DC operation.
- Triggers via dry contact closure.
- Output dry Form "C" contacts are 2 amp @ 120VAC/28VDC.
- LCD display facilitates programming and indicates countdown status.
- Current draw: stand-by 15mA, relay energized 30mA.
- Dual function: test timer/one shot.
- EE Prom memory protects against loss of programming due to power failure.
- Board dimensions (L x W x H approximate): 3" x 2.5" x 0.75" (76.2mm x 63.5mm x 19.05mm)

One-Shot Features (trigger activated):

- Programmable relay activation at the start or end of the timing cycle.
  a. Delayed Pulse Mode:
     - 1 to 60 sec. programmable pulse at the end of timing cycle.
  b. Delay Mode:
     - Relay can be programmed to energize or de-energize during timing cycle (Digitally adjust from 1 sec.-24hours).



Test Timer Options:

- Programmable weekly or daily test. (Test can be programmed for a specific day and time).

1. Depress and Hold **Confirm** for 2 seconds until `SU 00:00 TestMode` will appear in display.
2. Depress **Advance** `SU 00:00 SetClock` will appear in display.
3. Depress and Hold **Confirm** for two (2) seconds `SU 00:00 Set day` will appear in display.

   Enter the current day of the week by depressing **Advance** to make the selection.
4. Depress **Confirm** `SU 00:00 Set hour` will appear in display.

   Enter the current hour of day by depressing **Advance** to make the selection.
5. Depress **Confirm** `SU 00:00 Set min` will appear in display.

   Enter the current minute of day by depressing **Advance** to make the selection.
6. Depress **Confirm** `SU 00:00 TestMode` will appear in display.

7. Depress **Advance** twice — SU 00:00 / TestTime — will appear in display.

8. Depress and Hold **Confirm** for two (2) seconds — SU 00:00 / Test day — will appear in display.

   Enter the desired day of the week by depressing **Advance** to make the selection (MO-SU or ** for every day test).

9. Depress **Confirm** — SU 00:00 / TestHour — will appear in display.

   Enter the desired hour of day by depressing **Advance** to make the selection.

10. Depress Confirm — SU 00:00 / Test min — will appear in display.

    Enter the desired min of day by depressing **Advance** to make the selection.

11. Depress **Confirm** — pulse= 1 / Duration — will appear in display.

    Depress **Advance** to select duration of relay operation (1-60 seconds), then depress **Confirm** to accept.

Trigger Mode Programming:

1. Depress **Advance** — 00:00:00 / Change ? — will appear in display.

2. Depress and Hold **Confirm** for 2 seconds until — 00:00:00 / SetDelay — will appear in display.

   Enter the desired amount of hours by depressing **Advance** to make the selection.

3. Depress **Confirm** — 00:00:00 / SetDelay — will appear in display.

   Enter the desired amount of minutes by depressing **Advance** to make the selection.

4. Depress **Confirm** — 00:00:00 / SetDelay — will appear in display.

   Enter the desired amount of seconds by depressing **Advance** to make the selection.

5. Depress **Confirm** — pulse = 1 / Set PLS — will appear in display.

   Depress **Advance** to select pulse duration (1-60 seconds). If pulse is not needed skip to step 6.

6. Depress **Confirm** — TRIG_OFF / TRG_EDGE — will appear in display.

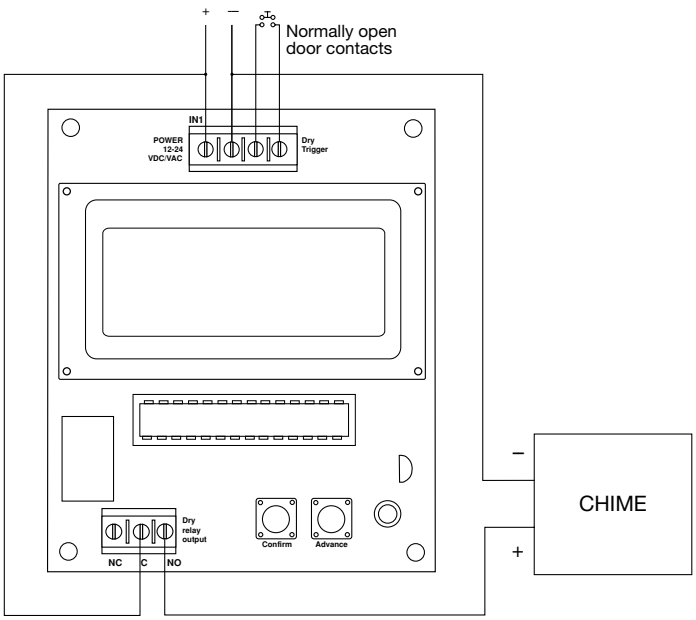
   Enter the desired trigger option (OFF, ON, CNG) by depressing **Advance** to make the selection.
   Removal of trigger will start time cycle.
   OFF option starts timing cycle when trigger is removed.
   ON option starts timing cycle when trigger is applied.
   CNG option starts timing cycle when trigger is removed or applied.

7. Depress **Confirm** — RLY = ON / Event — will appear in display.

   Enter the desired relay option (OFF, ON, PLS) by depressing **Advance** to make the selection.
   OFF option - relay turns off at the end of timing cycle.
   ON option - relay energizes at the end of timing cycle.
   Pulse option - relay energizes momentarily (1 to 60 sec).
   Depress **Confirm** to accept.

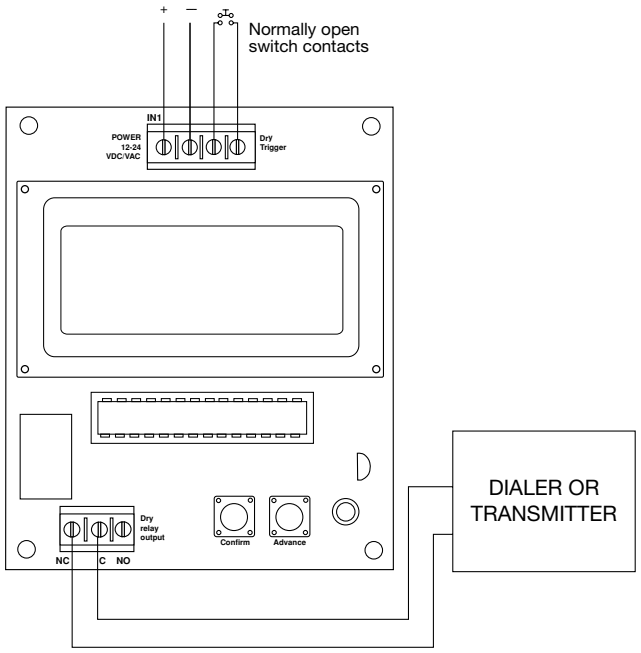
Tempo2 Typical Applications:

Fig. 1 - Timed Door Annunciator:



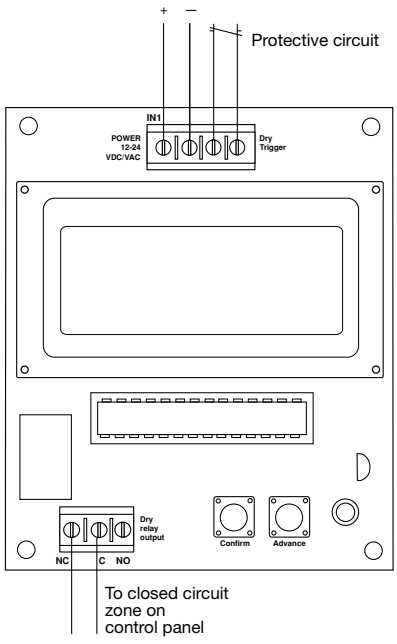
For this application select Trigger “CHG” and Relay “PULSE”.

Fig. 2 - Guard Tour Supervisory Timer:



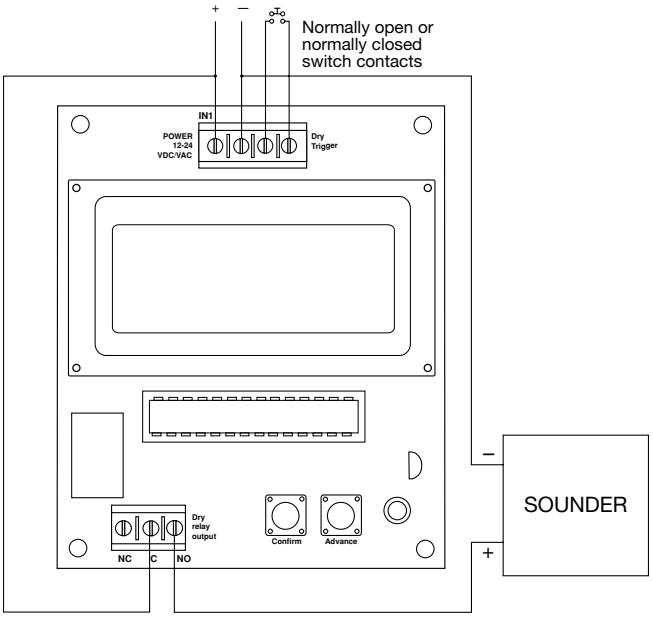
For this application select Trigger “CHG” and Relay “OFF”.

Fig. 3 - Swinger Eliminator:



For this application select Trigger “OFF”, Relay “ON”.

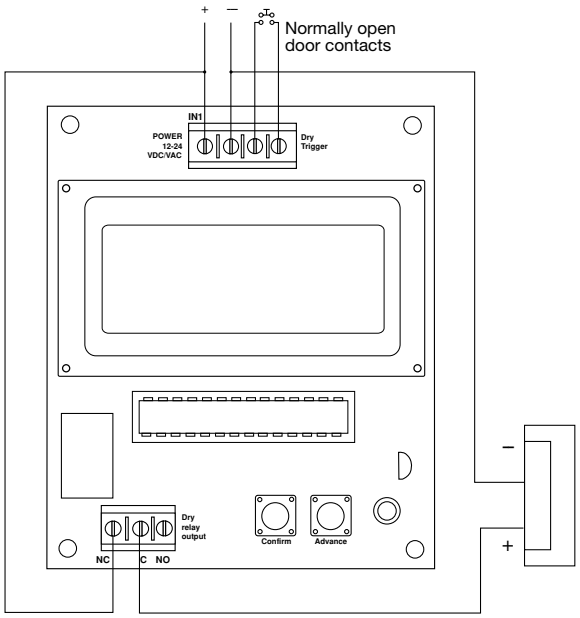
Fig. 4 - Delay Timer: Use for Door Ajar Alarm, Delayed Activation of Digital Dialer,
Defrost Cycle Timer, etc...



For Normally Closed Trigger Contact select Trigger “OFF”, Relay “ON”.
For Normally Open Trigger Contact select Trigger “ON”, Relay “ON”.

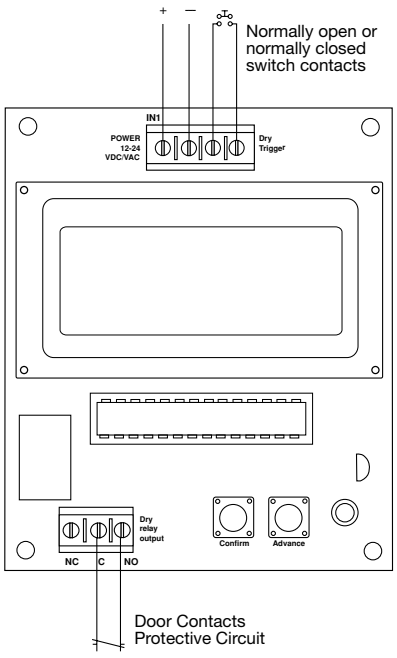
Tempo2 Typical Applications (cont.)

Fig. 5 - Timed Door Lock:



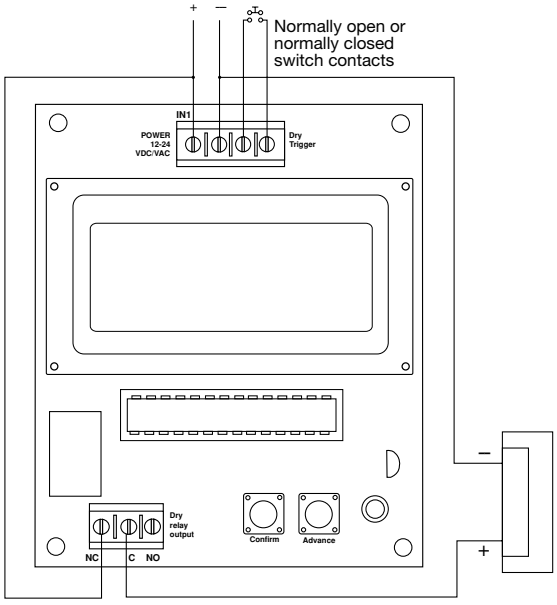
For this application select Trigger “CHG”, Relay “OFF”.

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



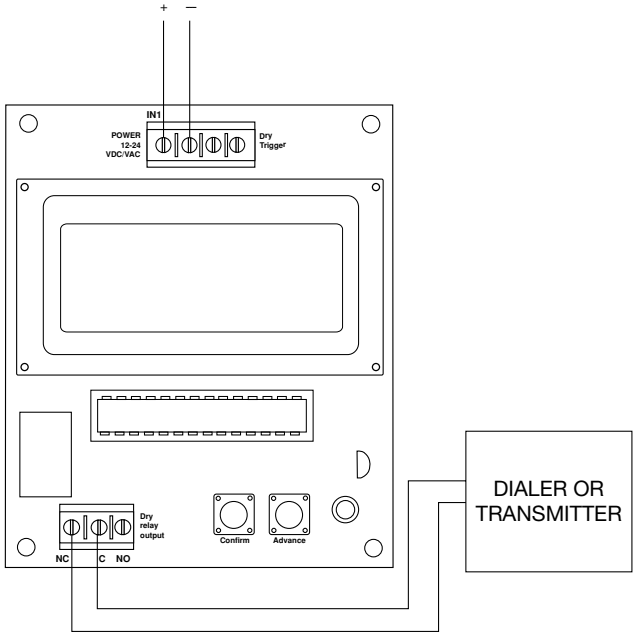
For this application select Trigger “CHG”, Relay “OFF”.

Fig. 7 - Delayed Egress:



For this application select Trigger “CHG”,
Relay “PULSE”.

Fig. 8 - Test Timer:



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