

## 1 Overview

The Honeywell HPT6062 is a programmable multi-purpose timer that is suitable for many applications that require a timed operation. Some of these applications include access control, siren and bell cut-off, dialer delay, and guard tour supervisory timers. Other optional functions include: once shot, delayed release, delayed operate, delayed pulse, and pulse/flasher. The HPT6062 includes momentary relay activation at the end of a desired timing cycle. This eliminates the need for having to use two timers to achieve this function. Another operation included is the cancel, or interrupt, option. This will cancel the timing cycle and reset the timer if desired.

## 2 Specifications

- Accurate time adjustment range (programmable from 1 second to 60 minutes).
- 12 VDC or 24 VDC operation is selectable by dip switch.
- LED illumination indicates relay is energized.
- Form "C" relay contacts are rated for 8 Amps at 120 VAC/28 VDC.
- Current Draw: stand-by 3 mA, relay energized 40 mA.
- Triggers via positive DC (+) voltage, dry contact closure, or removal of contact closure.
- Relay activation selectable at the beginning or end of the timing cycle.
- One second momentary relay activation at the end of the timing cycle (eliminated the need to use two timers for this function).
- Built-in reset feature which cancels timing cycle.
- Repeat (pulser/flasher) mode.
- Snap Track compatible (Honeywell P/N HST34).
- Board Dimensions: 3"L x 2.5"W x .75"H (approximate).

## 3 Installation Instructions

1. Mount HPT6062 in desired location/enclosure.
2. Set proper DC input voltage dip switch 3 to desired voltage; 12 VDC 'ON', 24 VDC 'OFF'.
3. Refer to Dip Switch Selection and Jumper Selection Tables for desired functions (e.g. timing, trigger, or pulse).
4. Measure DC input voltage before powering device to ensure proper operation.
5. Refer to Terminal Identification Table and Timer Applications figure 1 through figure 8 for desired wiring connections.

*NOTE: When triggering 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 12 VDDC - 2 K (2,000 Ohm) or for 24 VDC - 4.7 K (4,700 Ohm)) between the Pos. (+) and TRG Terminals (figure 8).*

# 4 Selection Tables

## Dip Switch Selection

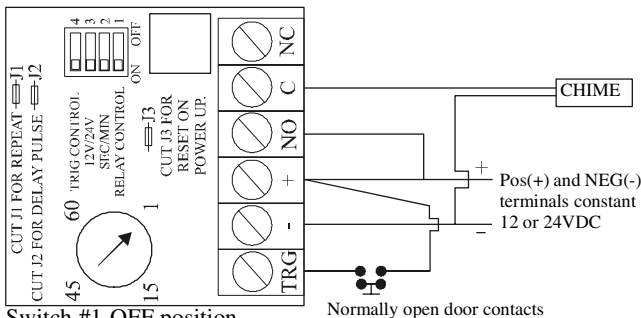
Dip Switch	OFF	ON
1	Relay energizes at start of timing cycle.	Relay energized at end of timing cycle.
2	1-60 minute(s) timing range (trim pot adjustable).	1-60 second(s) timing range (trim pot adjustable).
3	24 VDC operation	12 VDC operation
4	Timing begins immediately upon trigger input.	Timing starts after removal of trigger input.

## Jumper Selection

Number	Function or Description
J1	Cutting J1 selects pulser/flasher mode. Relay will turn on and off continuously in equally set time intervals when timer is powered off.
J2	Cutting J2 puts timer in delayed output mode. Relay will pulse for a second at the end of a present timing cycle. Dip switch must be on for this function.
J3	HPT6062 will go through an initial timing cycle when first powered on unless J3 is cut. If cut, timing can only be initiated by TRG terminal.

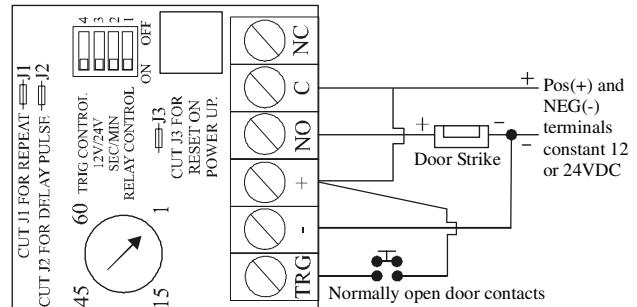
# 5 Typical Applications

## Timed Door Annunciator



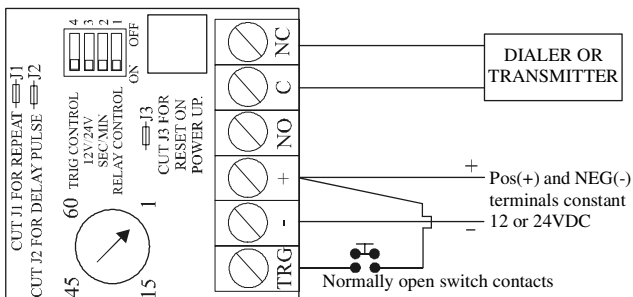
Switch #1-OFF position  
Switch #4-OFF position

## Timed Door Strike



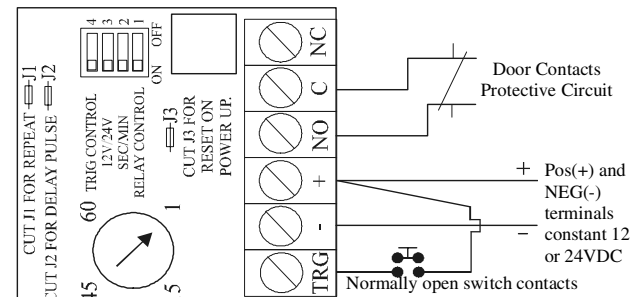
Switch #1-OFF position  
Switch #4-ON position

## Guard Tour Supervisory Timer



Switch #1-OFF position  
Switch #4-OFF position

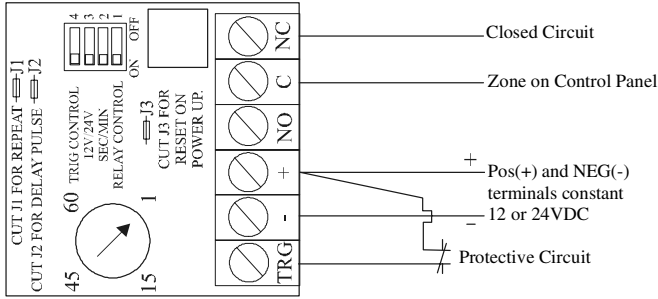
## Timed Shunt for a Door (Alarm contact bypass)



Switch #1-OFF position  
Switch #4-ON position

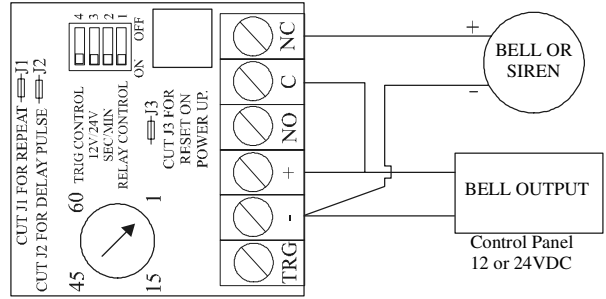
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**Swinger Eliminator** (Door ajar, delayed activation of digital dialer, defrost cycle)



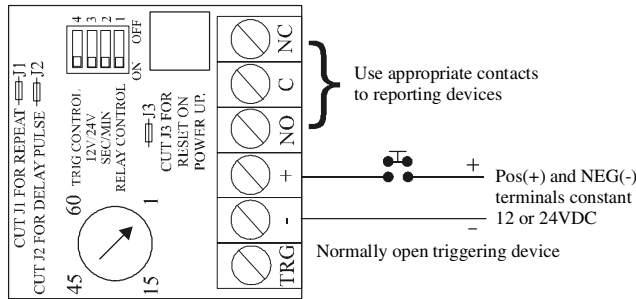
Switch #1-OFF position  
Switch #4-ON position

**Bell Cut-Off Timer**



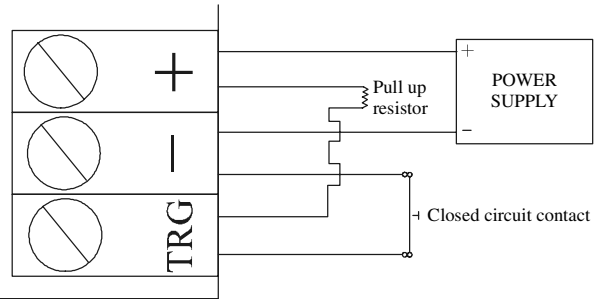
Switch #1-ON position  
Switch #4-not used

**Delay Timer** (Door ajar, delayed activation of digital dialer, defrost cycle, etc.)



Switch #1-ON position  
Switch #4-not used

**Closed Circuit Trigger Option**



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

For additional information:

- Visit our website at <http://www.honeywellpower.com>
- Contact Technical Support at 1(877) HPP-POWER
- E-mail us at [hpp.techserv@honeywell.com](mailto:hpp.techserv@honeywell.com)

## Notes