### Exterior Entrapment Alarm (1967-A5)



Security System Connection (Dial) Normally Closed Optical Switch
Hub Connections
Door Sensor Connection
Door Alarm Jumper Door Alarm Delay Dial Delay
Panic Module Connection 12 VDC Switch Signal
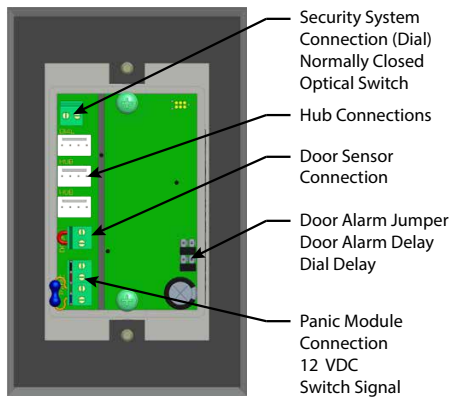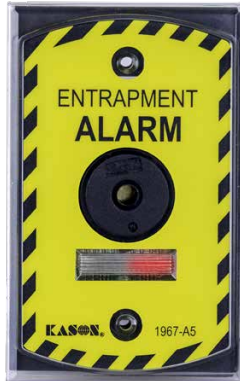
### Interior Panic Alarm (1967-A7)



12 VAC/VDC Illuminate Button
Normally Closed (NC) Switch
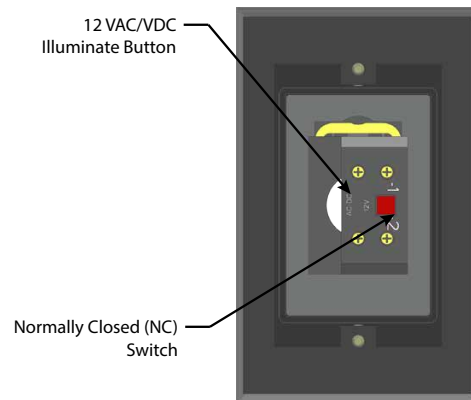
## ⚠ CAUTION

This product requires a qualified Electrician.
Follow all NEC requirements for installation.

## INSTALLATION

1. Install flush mounted handy boxes and conduit. (Use standard 4' x 1-7/8" x 2-1/8" deep box or Kason PN: ELE-104)
2. Route 1967-946 power/battery cable (page 3) into 1967-A5 junction box, along with door sensor and cables from 1967-A7.
3. Review wiring diagram and make all connections.

   **Note:** When adding door sensor or panic module it is important to remove the resistor or wire jumper before adding the respective wiring.
4. Set jumpers per "Timer Key" settings.
5. Connect the 9 V battery. [DO NOT USE LITHIUM ION BATTERY]
6. Install module to handy box with two screws (provided).

## 1967-A57 ALARM MODULE (PANIC, DOOR, POWER, SECURITY CONNECTION)

- **Audible:** 100+ dB siren: two tones, one for panic and one for door open
  - Door Open Alarm can sound siren: Off, Instantly, 10 min., 20 min.
  - Panic Alarm: Instantly, until the panic button is reset
- **Visual LED Flashes:** LEDs alternate to attract attention
  - Sequencing Blue LED is normal operation
  - Red/Yellow Alarm: Instantly comes on when door is open
  - Red/Blue Panic Alarm: Instantly comes on when Panic button is pressed
- **Dial Signal:** allows a security system to monitor alarm event from units
  - Door Open Alarm (see timer settings): Off, Instantly, 15 min., 30 min.
  - Panic Alarm: Instant notification to security system. Dial connection goes from (NC) to open circuit

**GreenGuard** **RoHS COMPLIANT**
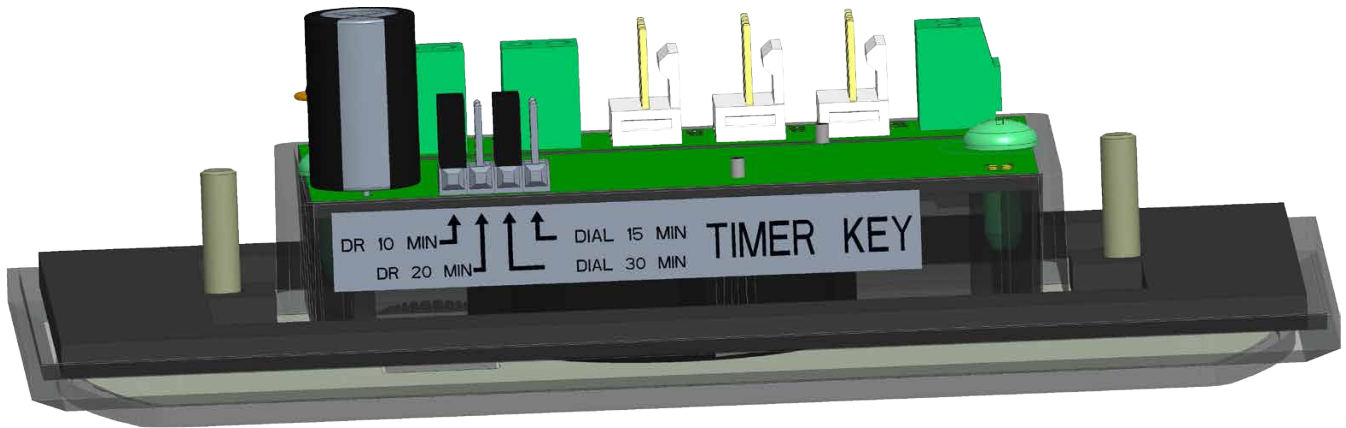
## TIMER KEY DOOR OPEN ALARM SETTINGS

- Door Alarm Timer Delay: "DR" option is 10 or 20 min. If you do not want a delay, place jumpers in first two spots. Alarm will sound immediately.

## TIMER KEY DIAL SETTINGS

- The dialer connection is a switch for connecting a phone dialer (not provided). Use jumper to select the time delay after audible alarm for signaling the dialer. Jumper selects 15 or 30 min. Install both jumpers for "immediate" dialer – no delay. With no jumpers the unit will not dial for door open alarm, but will still dial for "Panic" signal.
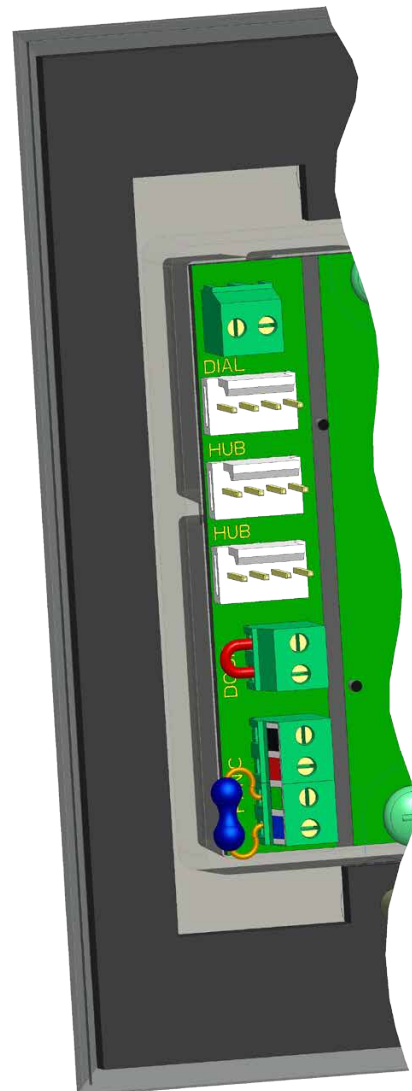
## DIAL CONNECTION TERMINALS

- When an entrapment event or door open alarm is triggered, an alarm system (not provided) can be connected. This is a normally closed (NC) circuit that when there is an alarm it can trigger a security system. Terminal marked "DIAL" allows security system connection. See Timer Key Dial Settings for delay control. Dial connection goes from (NC) to open circuit to trigger security system.

## DOOR CONNECTION TERMINALS

- Door sensor 1967-F8 can be added (NC when door is closed)
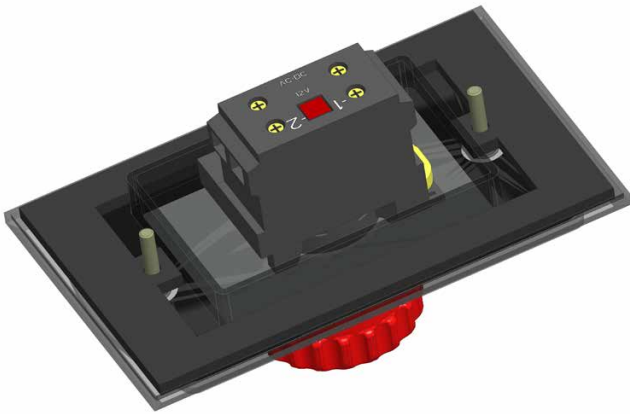- Remove jumper to ensure proper operation

## PANIC BUTTON WITH ILLUMINATION TERMINAL

- Terminals (Red / Black) will constantly power (+12 VDC) the Panic button illumination. Red is (+) and Black is (-)
- Terminals (Green/Blue) connect to the Panic switch normally closed (NC) circuit connections

## 1967-A7 ILLUMINATED PANIC BUTTON (PRESS TO ALARM/TWIST TO RELEASE)

- Switch has terminals on the back that connect to the 4 color coded terminals on the Alarm Module. In the middle of the switch is the illumination section of the switch. Requires 12 V AC/DC. The Alarm Module provides 12 DC for this application. Polarity is not marked but the internal LED will switch to the polarity it needs. Illumination will work regardless of what terminal is connected to red or black coded terminal.

- The switch to the side of the illumination module is a normally closed (NC) circuit. The alarm module will detect an open circuit event. Press the button, loose connection or cut wire will sound the alarm. Terminals 1-2 need to be connected to the Green and Blue terminals on the alarm module (no polarity requirements).



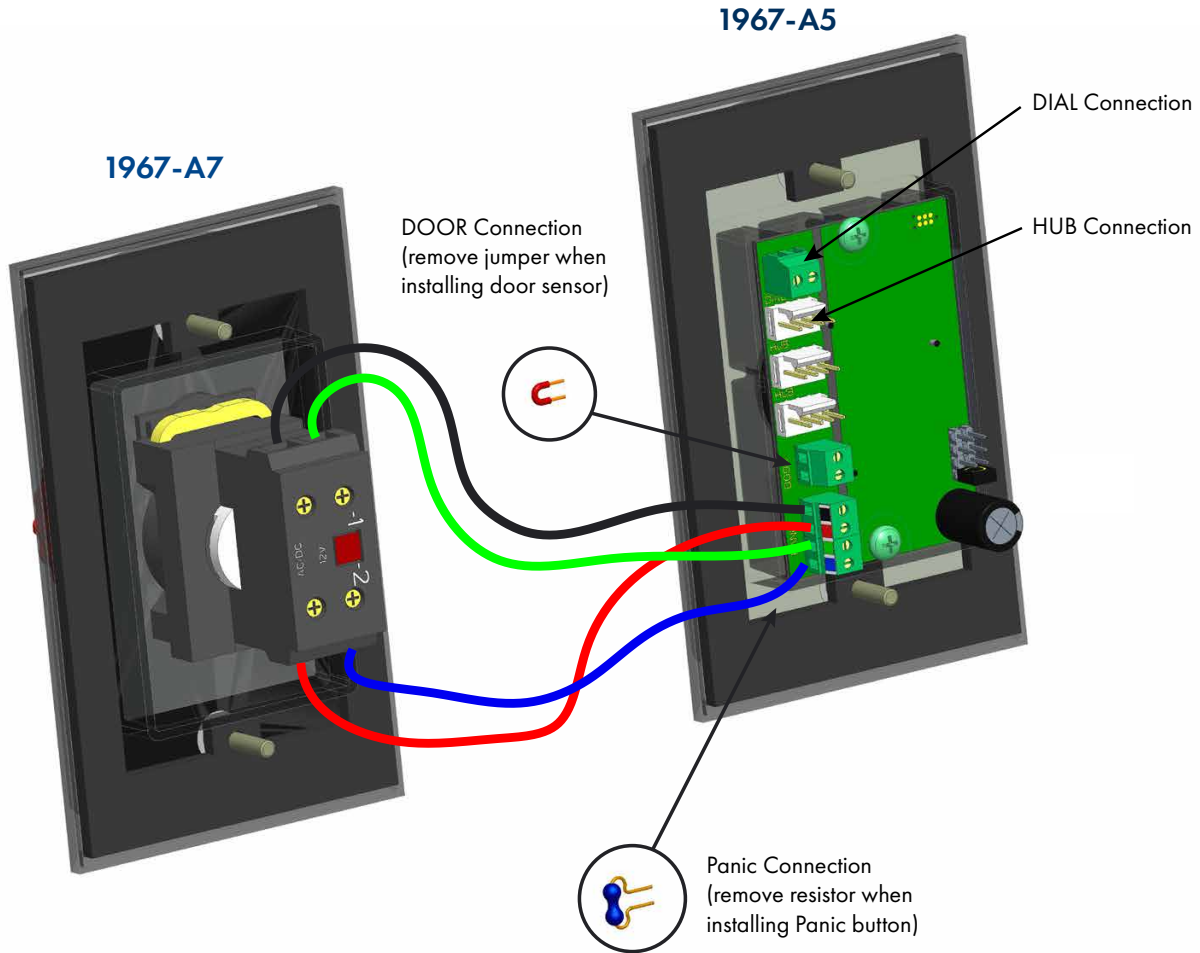## 1967-946 POWER HARNESS (AC ADAPTER/BATTERY/HUB CONNECTOR)

- Connect to 12 VDC @ 2 A AC adapter to the alarm module through the HUB connection
- Plug female HUB into male HUB on alarm module.
- Connect battery
    **Note:** "DO NOT USE LITIUM ION BATTERY. Wrap battery in electrical tape so it doesn't short out back of PCB.



## 1967-12 AC ADAPTOR (12 VDC @ 2 AMP)

- 120 or 240 V (optional) AC 50/60 Hz
- 12 V output @ 2 A
- Barrel connector 2.0 mm ID x 5.5 mm OD x 9.5 mm
- Positive Center



## 1967-F8 DOOR SENSOR

- Wire leads screw into "DOOR" terminal on alarm module. Remove the jumper wire for the door sensor to work properly

1967-A57 Entrapment Alarm - Ancillary Products



**1967-A5**

DIAL Connection

HUB Connection

DOOR Connection
(remove jumper when
installing door sensor)

**1967-A7**

Panic Connection
(remove resistor when
installing Panic button)

## ERRORS AND TROUBLE SHOOTING

- Power goes off and the unit does not work properly:
  replace dead battery

  **WARNING:** DO NOT install 9 V lithium ion batteries

- Dialer/Security system doesn't detect door open alarm:
  make sure the jumpers are in the proper location and wire
  terminals are secure

- Unit starts beeping and LED flashes Red/Blue as soon
  as the power is connected: see that either the panic button
  is released/reset, a loose wire, or the resistor is in place
  (if panic button is not connected)

- Unit starts beeping and/or the LED's flash Red/Yellow:
  Make sure the door is closed. Check the jumpers to see
  if it's set to alarm as soon as the door is open. Check to see
  if red jumper wire is installed in the "DOOR" terminal
  (if door sensor is not connected)