

# **Exhibit E**

# **User's Manual**

**ZONAS TECHNOLOGY, INC.**

**FCC ID.: BZJHG9031**

**WIRELESS DOOR KEYPAD**



**HG-090S**  
**HOME SECURITY SYSTEM**

**USER'S MANUAL**

## Instruction Manual Sonic Safety HG-090S

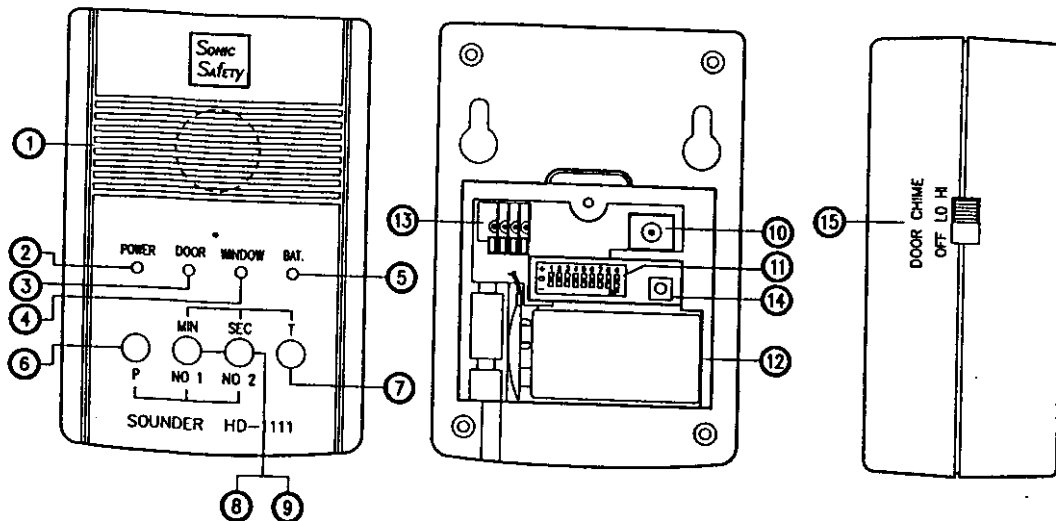
### Standard Packaging :

System	HG-090S1	HG-090S2
HG-9031 wireless door keypad (limits 1 set)	----	1 set
HG-9101 wireless window sensors(maximum 4 sets)	1 set	1 set
HD-1111 wireless sounder	1 set	1 set
SR-203 remote control	1 set	----

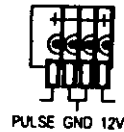
Sonic Safety HG-090S is a double zone wireless security system, the system is equipped with self-supervision function which will automatically alert users when detector(s) is/are not operation normally. Users can also use multiple pieces of detectors or sounders to the same location to satisfy the demand to fully protect your premises.

### HD-1111 WIRELESS SOUNDER

#### Features



- (1) Buzzer
- (2) Power LED – light when power is on.
- (3) Door Indicator - LED blinks when HD-1111 received no signal from Door Sensor HG-9031 within certain period (about 60 minutes), and continuous Ding-Dong sounded for 30 seconds every 30 minutes for warning. LED lights on if alarm is triggered
- (4) Window Indicator - LED blinks when HD-1111 received no signal from any Window Sensor HG-9101 within certain period (about 60 minutes), and continuous Ding-Dong sounded for 30 seconds every 30 minutes for warning. LED lights on if alarm is triggered.
- (5) BAT. LED : LED blinks to indicate low battery warning for HD-1111.
- (6) P key : setting key for password
- (7) T key : setting key for alarm period time.
- (8) Numeric keys No.1 or Min.
- (9) Numeric keys No.2 or Sec.
- (10) Power jack : connect from AC power adaptor
- (11) System ID code switch : 1 – 8th key for house code, 9th key for system selection (always set at “-“ position for HG-090S series application.)
- (12) Battery house : to fit 9V battery
- (13) Auto dialer terminal : connect from Auto dialer lead wire.
- (14) Tamper switch
- (15) Door chime LO, HI, OFF control switch



### Setting

1. Set system ID code  
Open battery cover and set dip switch for system ID code same as the other Sonic Safety products. (It is necessary that all devices must have same code in the system)
2. Power up the system
  - a. Connect AC adaptor plug into DC power jack first, then place a 9V battery to battery socket.
  - b. Replace battery cover and screw it within delay time. The anti-tamper delay time is 5 minutes, you have to replace battery cover within this period, otherwise alarm will be activated.
  - c. Connect the other end of adapter to electric outlet on the wall within power failure delay time. The power failure delay time is 5 minutes your have to finish power connection within this period, otherwise a continuous Ding-Dong will be sounded.
3. Mount firmly HD-1111 on the wall by using the included screws.

Following parameters are preset in the factory, if you want to change parameter, please refer to the

section of "HOW TO CHANGE PARAMETERS".

**Default Password: 1 1**

**Default Alarm Period: 3 minutes**

#### **Delay time**

Delay time is only applied when password has been entered, otherwise, no delay time

Anti-tamper : 5 minutes

AC Power interruption: 5 minutes.

#### **Turn off alarm**

Enter password to this device, or HG-9031's password onto HG-9031.

#### **Low battery**

BAT LED blinks and emits a beep sound signal every 30 seconds.

#### **Change battery**

- a. Enter password before you open the cover to change battery.
- b. As soon as battery is placed, replace battery cover before anti-tamper delay time is over (it means 5 minutes). It is also power failure delay time to allow you to insert AC adapter into AC electric outlet on the wall.

#### **City power is failure**

HD-1111 emits continuous Ding-Dong sound for 30 seconds every 30 minutes until AC power is resumed. Or set door chime switch to off position to turn sound off temporarily.

#### **Power failure and reset**

When both city power fails and battery drains, HD-1111 needs to be reset.

- a. Power up the HD-1111
- b. Press "test" key on all sensors, continuous Ding Dong sounded
- c. Press "test" key again to turn off the sound.

#### **Change location**

Enter password to HD-1111, there is five (5) minutes of power failure delay time to allow you to relocate HD-1111.

#### **After alarm is activated**

HD-1111 emits sound signal every 30 seconds and power LED is flashing. Reset the system by the same way as "ARM" the system from HG-9031, and "Disarm" then. (enter password).

#### **Auto exchange for alarm and door chime**

Sonic Safety 090 has both alarm and door chime function. The status of system will decide what it should work.

- a. Door chime: When system is disarmed, HD-1111 works as a door chime.  
Continuous 30 seconds door chime will be activated by power interruption or sensors have trouble to send signal.
- b. Alarm : When system is armed, HD-1111 will activate alarm. Alarm will be also activated by anti-tamper switch.

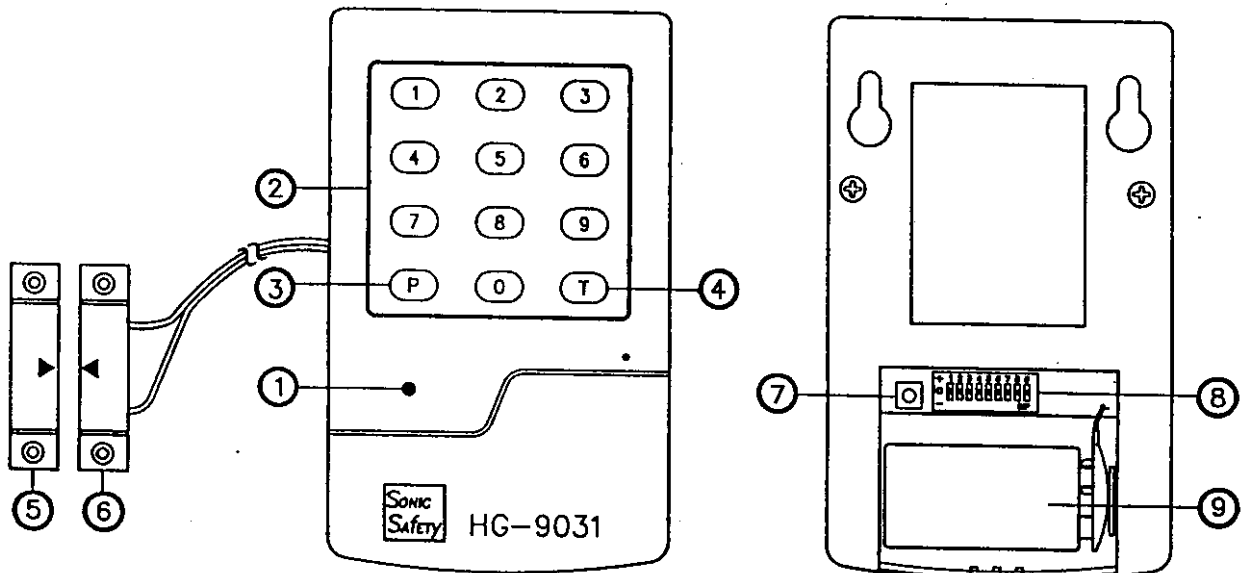
#### Connection of auto dialers

Auto dialer activate by any violation of burglary detectors, panic & tamper switch and polling function from Door and Window sensors but in-activate by power interruption warning. Connecting the auto dialer device to dialer jack on the HD-1111 can initiate the auto dialer to call out when alarm is going off. (Please makes sure specification of dialer that you purchased can compatible with HD-1111).

## HG-9031 WIRELESS DOOR KEYPAD

### Feature

- (1) LED blinks when press test key or magnet switch is opened. LED lights for Low Battery warning, an short "beep" warning sounds every 30 seconds.
- (2) Numeric keypad
- (3) P key is used to set password
- (4) T key is used to set delay time and also for test key.
- (5) Magnet
- (6) Magnet reed switch
- (7) Tamper switch
- (8) System ID code switch : 1-8th key for house code, 9th key for system selection (always set at "-" position for HG-090S series application)
- (9) Battery house - to fit 9V battery.



## Setting

1. Set system ID code and power up the system

Open the battery cover and set system ID code same as other Sonic Safety products. (Ensure all system ID codes are identical between each other device and sensors)

2. Power up the device

- a. Connect battery socket to a 9V battery and place into battery house.
- b. Replace battery cover within 1 minute, otherwise the alarm will be activated.
- c. Press "T" by two presses for testing, LED glow and HD-1111 will sound Ding-Dong.

3. Set new password

- a. Preset password is 1251.
- b. Enter existing password, and then "P" key, a short beep sound emits to confirm the original password disabled. (If a short beep sound emits, you may enter wrong numbers).
- c. Press "P" key and enter new password, then press "P" key again. Enter new password by using number key on keypad. For example, you can press 0 key, 3 key, 1 key and then 2 key to create password of 0312.
- d. A long beep sound emits to confirm new password setting is completed. new password setting is to be finished within 1 minute, otherwise it will resume to the original password.

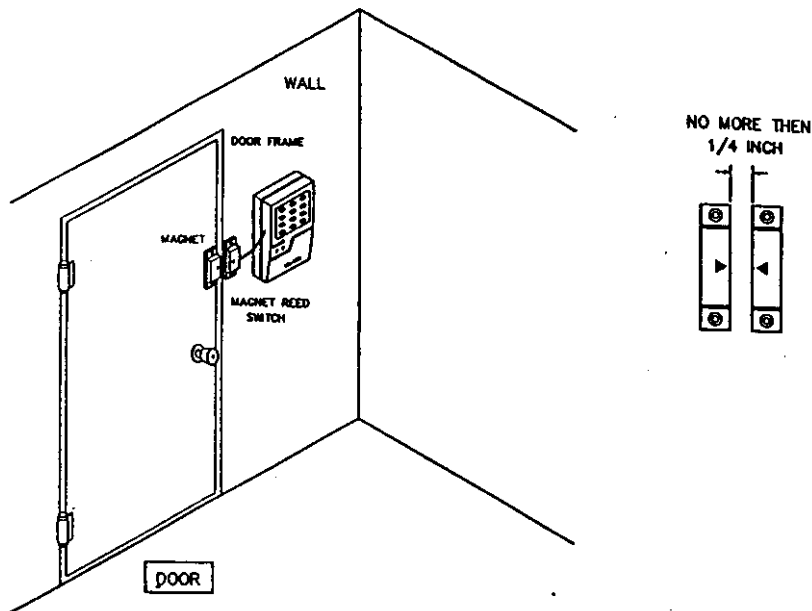
4. Set new delay time

- a. Delay time is applied to both Exit and Enter, preset time is 30 seconds.
- b. Press password and then "P" key to disable the password setting.
- c. Press T key, and enter your desired delay time by the number key on the keypad, and press "T" key again, always uses two digits number to describe the delay time, For example, to set 20 seconds of delay time; press key-2 and then key-0 to create 20 seconds.
- d. A long beep sound to confirm new delay time setting is completed. A continuous beep sound in case new delay time setting excess the maximum time setting. The delay time interval is 00 to 59 seconds.

## Installation

- Mount HG-9031 onto the wall, the extension magnetic switch needs to be placed at the edge of the doorframe.
- Mount the magnet piece onto the door, using double-sided adhesive tape. Ensure that the gap between the extension magnetic switch and magnet placed on the door is not greater than 1/5" (5 mm).
- Open the door, sounder HD-1111 will emits Ding-Dong to indicate HD-1111 has received signal from HG-9031 properly.





#### **Test**

Press "T" key by two presses, LED will glow and HD-1111 will sound Ding-Dong to confirm the device is working at normal condition.

#### **Arm the system**

Press "0" key first and then "P" key on HG-9031 to arm the system, sounder HD-1111 will emit one "chirp" sound to confirm procedure is finished.

#### **Disarm the system**

Enter password into HG-9031 to disarm the system. will emit a long "beep" sound and also sounder HD-1111 emits two short "chirp" sound to confirm procedure is finished.

#### **Turn off alarm**

Either enter password into HG-9031.

#### **Low battery**

LED will flash and emits two short "beep" sound signal from device every 30 seconds

Door LED on HD-1111 will flash and generates continuous Ding Dong if HG-9031 fails to work.

#### **Change battery**

If HD-1111 generates continuous Ding dong, slide door chime switch to "off" position.

- Enter password to HD-1111 to disable sound generation for 5 minutes period.
- Open battery cover and put battery, replace battery cover before delay time is over (5 minutes)
- Slide door chime switch back to "Lo" or "Hi" position, press "T" key two times (test) to turn Ding Dong off.

If HD-1111 does not generate Ding Dong, follow procedure (a) and (b).

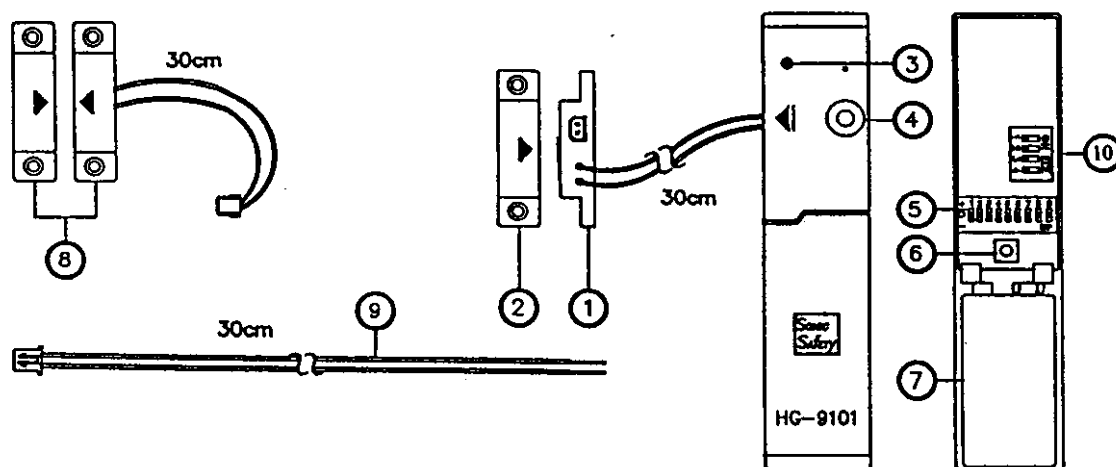
#### **Panic trigger**

Press "P" key and "T" key to set alarm off for emergency help.

## Window Detector HG-9101

### Features

- (1) Magnet reed switch (NO. 31A) – Terminal socket for extra reed sensor
- (2) Magnet piece
- (3) LED-LED blinks when press test button, LED flashes continuously for low battery warning
- (4) Test button-press button to test, sounder HD-1111 emits Ding Dong to indicate signal is received normally
- (5) System ID code switch : 1-8th key for house code, 9th key for system selection ( always set at “-“ position).
- (6) Tamper switch
- (7) Battery house : to fit 9V battery
- (8) Extension magnet reed switch (NO.31B) – with 30 cm lead wire
- (9) Extension wire (NO.31C) for extra reed sensor – with 30 cm lead wire
- (10) Channel switch: each HG-9101 must set to different channel switch. Set 1<sup>st</sup> key to “+” for first sensor, set 2<sup>nd</sup> key to “+” for 2<sup>nd</sup> sensor, set 3<sup>rd</sup> key to “+” when install 3<sup>rd</sup> sensor and set 4<sup>th</sup> key to “+” for 4<sup>th</sup> sensor. Maximum number of HG-9101 can be applied to this system is 4 pieces.



### Setting

1. Set system ID code

Open battery cover to set system ID code same as other Sonic Safety products. It is necessary to set system ID code is identical with all other devices.

2. Power up device

Place a 9V battery to battery house, device is in “Stand-By” status as soon as power is on, HG-9101 has anti-tamper function, so it is necessary to replace battery cover within delay time, it is 30 seconds, as soon as power is on.

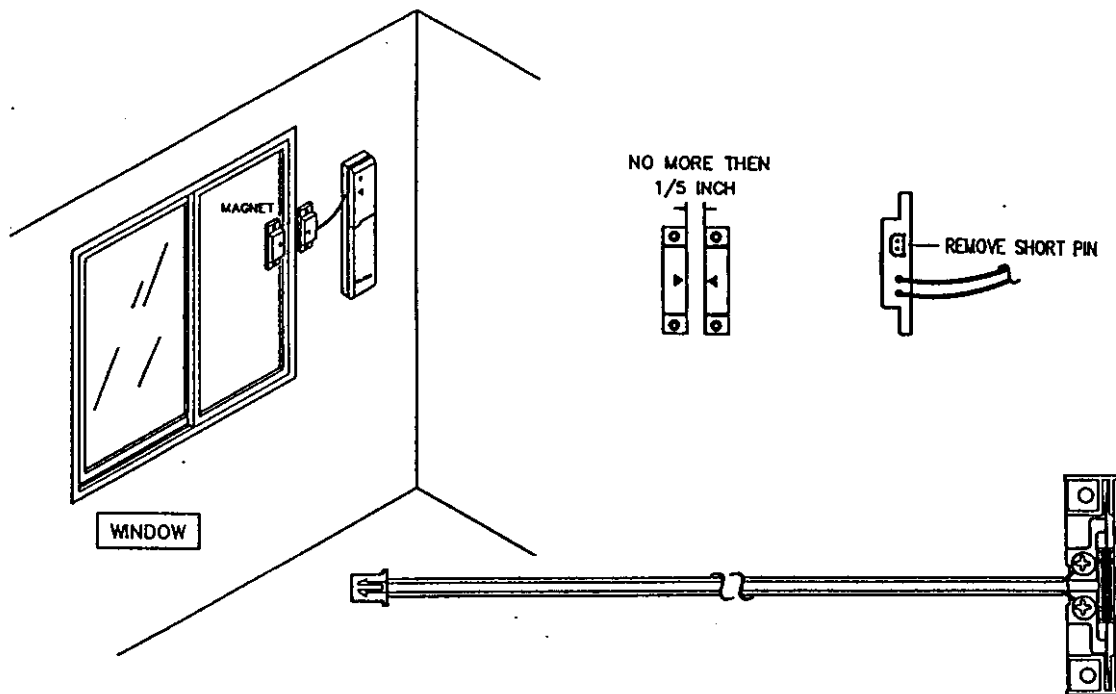
### 3. Testing

Press test button, LED will glow and a beep sound emits and sounder HD-1111 will emit Ding-Dong to confirm signal has been received.

### Installation

Apply double sided adhesive tape to the back of HG-9101. (Screws are also included for where can not use adhesive tape)

1. Mount HG-9101 to a suitable position on the wall where is near to window or door.  
(refers to figure below)
2. Mount magnet pieces to window and window frame (refer to figure below), ensure the gap between two magnets is not greater than 1/5" (or 5 mm) and match the arrow sign each other.
3. Remove short pin, and insert terminal plug to magnet reed switch socket, then stretch out the lead wire to a suitable position on the other window side and mount magnet piece to window frame . (refer to figure below) – this is an optional accessory.



### Low battery

When battery power is too low for normal operation, LED will flash continuously and emits a beep sound every 30 seconds.

Window LED on sounder HD-1111 will flash and generates continuous Ding-Dong if detector fails to work

### **Change battery**

If HD-1111 generates continuous Ding-Dong, slide door chime switch to off position

- a. Enter password to HD-1111 to disable sound generation for 5 minutes period, otherwise tamper switch will activate alarm as soon as battery cover is opened.
- b. Open battery cover to replace battery, put battery cover back within delay time.
- c. Slide door chime switch back to "Lo" or "Hi" position, press test key on HG-9101 to turn off door chime.

If HD-1111 does not generate continuous Ding Dong, follow procedure (a) and (b).

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.