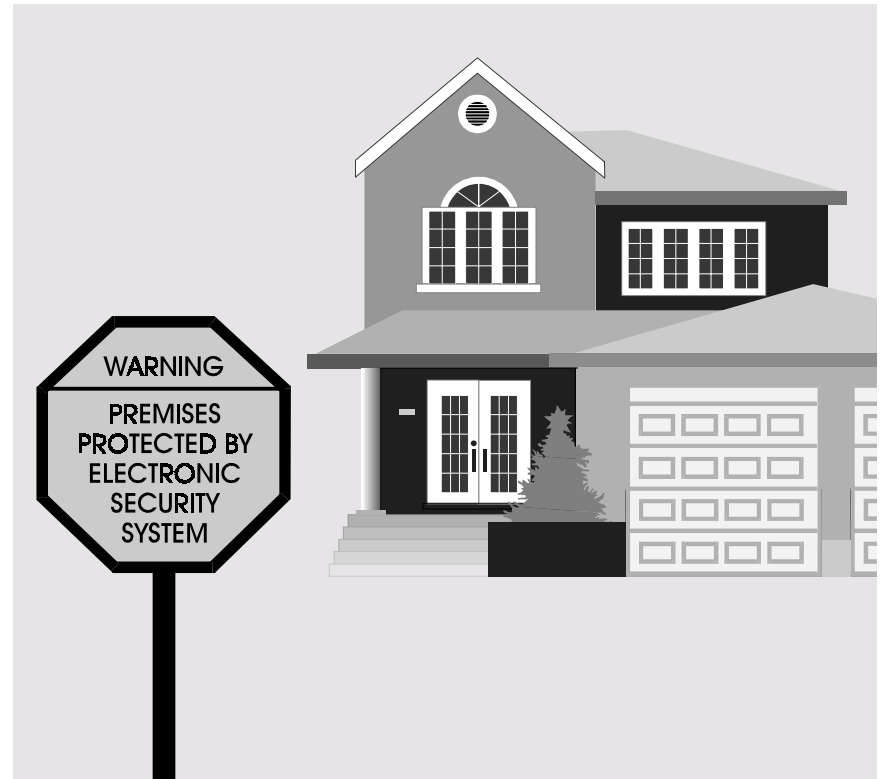


# Total Protection Alarm System

**SMARTHOME™ #7307**

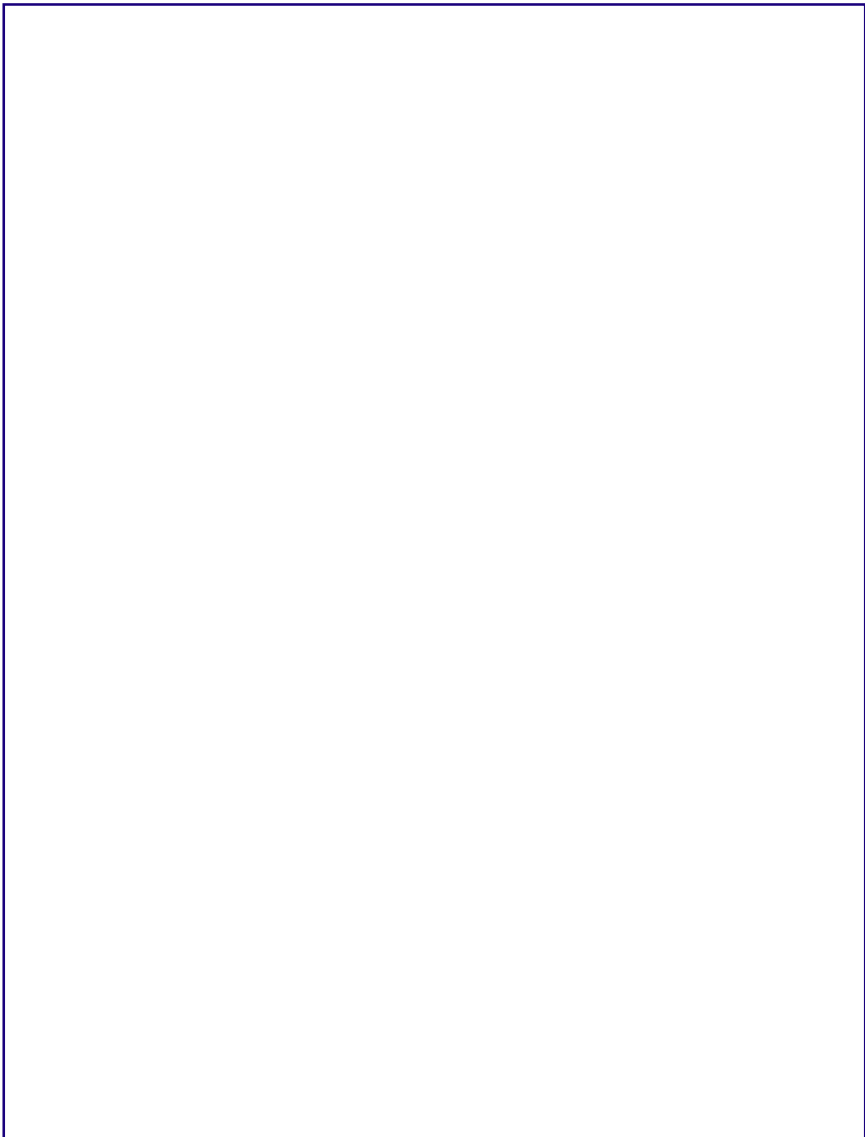


PAT. D410633  
Patents Pending

Your Guide to the

# Total Protection Alarm System

**SMARTHOME™ #7307**



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## PACKAGE CONTENTS

Everything required for installation is included with this package

1 Control Panel (SC-001) includes:

- 1 antenna (installed)
- 1 AC adapter
- 1 9 volt alkaline battery



Two sets of Door/Window Sensors (WT-433), each set includes:

- 1 transmitter
- 1 magnetic switch
- 1 magnet
- 2 spacers
- 1 12 volt alkaline battery (installed)



1 Motion Sensor (PS-433) includes:

- 1 9 volt alkaline battery (installed)



1 Keychain Transmitter (4B-434) includes:

- 1 12 volt alkaline battery (installed)



3 Packs of screws and anchors

(for Control Panel, Door/Window Sensors and Motion Sensor)

Sheet of templates

Double Sided Tape (to aid in the installation of the Control Panel, Door/Window Sensors and Motion Sensor)

Warning Stickers 2 pcs

Manual

Warranty Card

Quick Guide

## OVERVIEW

### Congratulations!

You have just purchased one of the most reliable and up-to-date wireless security systems on the market today. Skylink is the first company to incorporate the rolling code technology in a home/business security system. This innovative technology provides increased security and trouble free wireless connections which greatly reduces false alarms. It guarantees that the Control Panel will only recognize radio waves from its remote sensors, (door/window sensor, motion sensor and the keychain transmitter), which prevents high tech thieves from duplicating signals and tampering with your system.

This manual is divided into 6 categories.

#### 1. Planning, Installation and Testing (pages 6-11)

- explains how to plan a security strategy.
- how to install the Control Panel and the remote devices, (door/window sensor and the motion sensor).
- once everything is installed, explains how to test each device.

#### 2. Lights and Sounds (page 12)

- explains the function of all the lights on the Control Panel.
- describes all the sounds emitted from the Control Panel.

#### 3. Standard Programming and Passwords (pages 13-18)

- how to arm and disarm the system using the Control Panel.
- how to use the 4 button keychain transmitter to arm and disarm the Control Panel.
- how to personalize your MPIN (Master Personal Identification Number).
- how to program a SPIN (Secondary Personal Identification Number).

#### 4. Advanced Programming (pages 19-24)

- the Control Panel receives signals from the remote sensors in four different zones. Explains how to program different remote sensors to different zones.
- the Control Panel is programmed with different alarm modes for different situations. Explains how to program these alarm modes.
- explains the different alarm sequences preprogrammed at the factory for your convenience.

#### 5. Summary Table (page 25)

- summarizes all preprogrammed alarm sequences.

#### 6. Maintenance (page 26-28)

- explains how to change batteries in all remote sensors and the Control Panel.

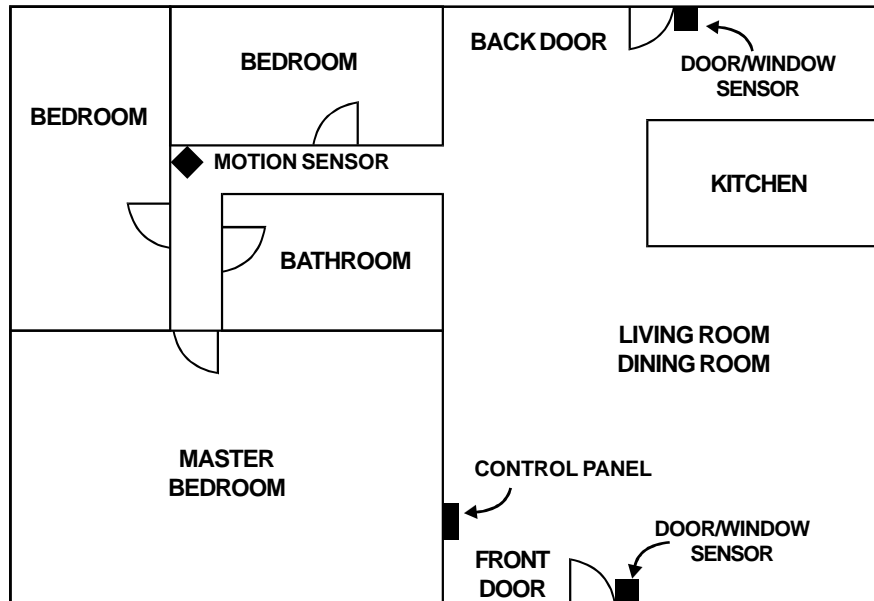
## PLANNING YOUR HOME SECURITY NEEDS

Before you begin to install your security system, analyze the premises to determine your security needs. Consider those doors and windows which are more likely to be used as points of entry by an intruder, the ones that are poorly lit or the entrances that can not be seen from the street.

Sketch a map of the premises and determine which doors and/or windows need contact sensors and which areas of the premises need to be monitored by a motion sensor. We recommend that you put one door/window sensor on the door you enter/exit from most often, the other sensor on your secondary entrance and your motion sensor monitoring the bedrooms, (stairway or hallway leading to the bedrooms).

If you have determined that you need additional sensors, see Additional Accessories on page 29.

Below is an example of how to position your security system in a house.



You may choose to install a motion sensor to protect any valuables such as antiques or paintings. Point the motion sensor directly at the valuables and if they are disturbed in any way the alarm will be sounded.

## INSTALLATION

The Control Panel, door/window sensors and the motion sensor are installed using the screws included. We have also included double sided tape, (for the door/window sensor and the motion sensor) to use for temporary installation while you are positioning the sensors. Once all the sensors are positioned correctly, install them permanently with the screws. We have also included wall anchors and templates to help position the screws correctly.

### How to use the templates:

1. Cut the template required
2. Tape it in position
3. Screw part way into the surface where the holes are marked
4. Unscrew the screws and remove the template
5. Screw the component in place where you started the screws

### INSTALLING THE CONTROL PANEL (SC-001)

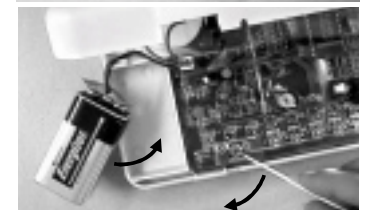
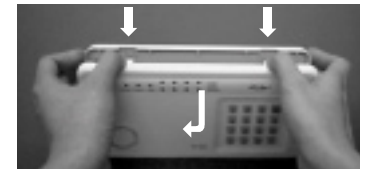
Position the Control Panel near the door you use to enter/exit from most often and within access of an electrical outlet. The Control Panel runs on regular electrical current. It also contains a 9 volt backup alkaline battery in case power is interrupted for any reason.

There are 3 ways to attach the Control Panel on the wall:

1. Use double sided tape for temporary use.
2. Hanging it from the two keyholes on the two stationary screws.
3. Screwing the back onto the wall with 4 screws.

### To mount the Control Panel:

1. Open the case.
  - a) Press the two tabs on top of the Control Panel
  - b) Pull open the front
2. Thread the AC adapter cord through the large hole in the back of the unit and plug it into the circuit board as shown. **The Adapter cord must be inserted through the back of the unit before it is attached to the wall.**
3. Insert the 9 volt alkaline battery and rotate the antenna from the inside of the Control Panel to the outside.



## INSTALLATION

- Attach the unit to the wall. If hanging the unit, insert two screws using the template provided. If screwing the back directly to the wall, take the back plate right off by prying apart one hinge. Use as much force as needed. The plastic hinge will not break.
- Using the template, attach the backplate on to the wall with 4 screws.
- Mount the Control Panel on the backplate. Insert one hinge into the hole, then twist the other hinge into position.
- Firmly close the case.
- Plug the AC adapter into a power outlet. The red AC PWR light and keypad back-light will be on.



### INSTALLING THE DOOR/WINDOW SENSOR (WT-433)

It is recommended to install one sensor on your front door and the other on your back door.

Each contact sensor has 4 parts:

**Transmitter Magnetic Switch**



**Magnet**



**Spacers**



- Position the transmitter beside the door/window frame on the wall using either two sided tape or screws. If you are using screws, first pry off the back plate with a small screwdriver and screw the back plate into position using the template. Then click the transmitter on to the back plate now mounted on the wall.



## INSTALLATION

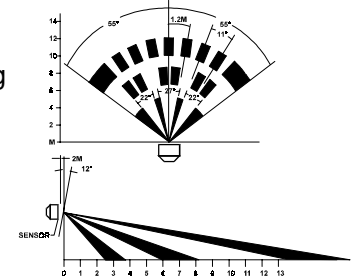
- Position the magnetic switch connected to the transmitter on the door/window frame.
- Position the magnet on the door beside the magnetic switch. They should be no more than 1 cm (3/8 inch) apart. When the door/window is closed, the magnets are in contact. When the door/window is opened, contact is broken and the transmitter sends a signal to the Control Panel to activate the chime or alarm.



### INSTALLING THE MOTION SENSOR (PS-433)

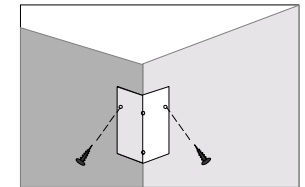
The motion sensor senses motion from up to 13 meters, (40 feet) away in a 110 degree arc. It works best when installed from 2 meters, (approx. 7 feet) off the ground in a corner. Please position the sensor so that it is looking down at an angle of about 12 degrees.

**DETECTING AREA: (Unit = meter)**



We recommend that you position the motion sensor where it will guard the bedrooms. For example, have your motion sensor monitoring the stairway which leads to all the bedrooms upstairs. A hallway or central area can also be used.

- Once you have decided on a location, tape the template into position. If you are putting the motion sensor in a corner, first fold the template along the center line so it will fit snugly into the angle. Screw the two mounting screws in position, (if installing on a flat wall, use the screw holes one above the other, if installing in a corner, use the screw holes on sides of the unit).



- Insert the 9 volt alkaline battery. (original battery inserted by factory)
- Match up the two screws with the appropriate two keyholes on the back of the Motion Sensor, then hang the unit in position.



## INSTALLATION

(Cont. : Installing the motion sensor (PS-433)

Set the switch on the side to "TEST" and allow 60 seconds for the unit to warm up. ( when using test mode, a signal will not be sent to the Control Panel ). Now walk in the area you want the motion sensor to detect movement in. If movement is detected, the red light on the front of the unit will appear. If the red light does not appear, movement has not been detected and you should reposition your motion sensor.

### PULSE COUNT FEATURE

Your Motion Sensor is equipped with Pulse Count feature. This new feature significantly reduces false alarms. Now when Pulse Count is enabled 2 consecutive movements are required in order to trigger the motion sensor. However, the response time of the motion sensor will become slower. Therefore you have the option to either enable or disable this feature to suit your specific needs. The factory default for this feature is set to "ON". You can disable this feature by relocating the Pulse Count jumper, which is the red jumper located inside the battery compartment. When the red jumper is on the left 2 posts (Diagram 1), Pulse Count feature is enabled. If you would like to disable Pulse Count, please remove the red jumper and insert it on the right 2 posts (Diagram 2).

**Note:** When installing the Motion Sensor, avoid placing it near heat or cold producing devices (i.e. A/C or furnace vents, fans, ovens, space heaters etc.). Air movement, especially caused by changes in temperature may trigger the Motion Sensor and cause false alarms. Please carefully test your Motion Sensor to make it will only be triggered by people.

Installation is now completed and now test your system to ensure all the sensors are communicating with the Control Panel. (See the next section, TESTING YOUR SYSTEM)

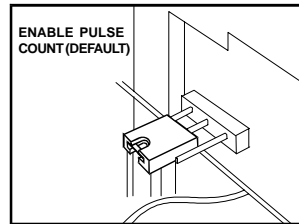


DIAGRAM 1

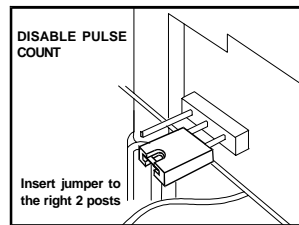


DIAGRAM 2

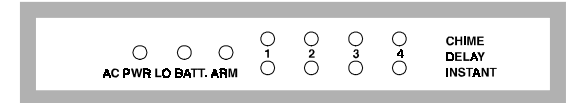
## TESTING YOUR SYSTEM

Before you learn how to use your security system, test to make sure that the door/window sensors and the motion sensor are communicating with the Control Panel.

Set the Control Panel to CHIME MODE which will emit a subtly two tone chime when any of the sensors are activated.

### To set control panel to CHIME MODE

1. Enter your MPIN [0, 0, 0] on the Control Panel (MPIN is factory set at [0, 0, 0]. To change MPIN see MASTER PERSONAL IDENTIFICATION NUMBER (MPIN) on page 17.
2. Press [ A ].
3. Press [ # ].



The red arm light and all 4 green lights above the numbers and beside the word chime will go on. The system will now emit a chime sound when any sensor is activated. The lights and sounds of the Control Panel are explained in the next section, (see Lights and Sounds).

The door/window sensors are factory set to communicate with zone 1 and the motion sensor to communicate with zone 2. If you would like to have the sensors communicate with a different zone, see PROGRAM SENSORS TO DIFFERENT ZONES on page 19.

### To test the Door/Window Sensor

Open the door/window and break the contact between the magnetic switch and the magnet. A signal will then be sent to the Control Panel which will chime telling you that the signal has been received. One of the four green lights on the Control Panel will flash once as the chime sounds. If you open the front door, the green light above the #1 (zone 1) will flash.

### To test the Motion Sensor

Slide the button on the side of the motion sensor to ON and allow 60 seconds for the unit to warm up, then walk in the monitored area in front of the motion sensor. Once movement is detected, a signal will be sent to the Control Panel. The Control Panel will then emit a two tone chime and the green light above the #2 (zone 2) will flash once. The motion sensor has been programmed to send its signal to zone 2 in the Control Panel. It will take about 30 seconds for the motion sensor to reset itself before it can send another signal.

If you have pets, have them walk in the monitored area to see if they activate the motion sensor. If so, turn the motion sensor off if these pets have access to the monitored area. Smaller pets will not be picked up by the motion sensor.

## LIGHTS AND SOUNDS

Below is an explanation of the lights and sounds of the Control Panel.

### LIGHTS

ACPWR light on	System is being powered by electrical current.
ACPWR light off	System is not receiving any electrical power.
LOBATT. light off	Backup battery is connected and working.
LOBATT. light flashing	Backup battery is weak, needs to be replaced.
ARM light off	System is disarmed.
ARM light on	System is armed.
Key Pad Back Light	If powered by AC adapter - back light is always on If powered by back up battery only - stays on for eight seconds when any button is pressed.
Green lights above #1-4	System will emit a two tone chime when a sensor is activated, CHIME MODE.
Red lights below #1-4	System will sound alarm instantly when a sensor is activated, INSTANT MODE.
Both green and red lights #1-4	System will beep steadily for 30 seconds when a sensor is activated, after the 30 seconds the alarm will sound, DELAY ENTRY MODE.
Both green and red lights flashing	Lights will flash for 45 seconds. All remote sensors programmed to that zone will not communicate with the Control Panel for those 45 seconds, which gives you time to exit the premises before the system is armed.

### SOUNDS

Three short beeps	You have made a mistake, start again.
Long beep	You have successfully completed a command.
Short beep	You have pressed a key in the right order.
Two tone chime	A device has been activated in CHIME MODE.
Siren (3 minutes)	A device has been activated in INSTANT MODE.
Steady repeated beep	The alarm has been triggered in DELAY MODE. You have 30 seconds to disarm the system before the alarm sounds.
Two tone beep	System is set on exit delay, you have 45 seconds to leave the premises once the system has been activated. After the 45 seconds, the system emits a two tone beep and the system is now armed.

If you make a mistake while programming, the Control Panel emits three short beeps. That means the system has cleared and you must start the programming sequence from the beginning. If you get lost in the programming sequence or have made a mistake and want to start over again, press the [ \* ] on the key pad of the Control Panel until you hear three short beeps. This will clear the system, then you can start again from the beginning. If no button is pressed for eight seconds while in the middle of a programming sequence, the system will also clear itself.

## STANDARD PROGRAMMING

Now that the system is installed and the sensors are communicating with the Control Panel, it is time to learn how to do basic programming of your security system. More advanced features are explained further in the manual, (see Advanced Programming).

You can arm and disarm the system by using either the keypad on the Control Panel or the 4 button keychain transmitter or keypad transmitter (option).

### TO ARM THE SYSTEM USING THE KEYPAD ON THE CONTROL PANEL

All programming sequences begin with the **Master Personal Identification Number (MPIN)**. There is only one MPIN which has been factory set at 0 0 0. You can also assign up to 3 different **Secondary Personal Identification Numbers (SPIN)**. For more information on how to change your MPIN and how to add an SPIN, (see PASSWORDS on page 17, 18).

We have preprogrammed 6 different arm sequences to meet different circumstances. For example, if you would like the system activated while you are in the premises, the motion sensor will be turned off so you have the freedom to move about without setting off the alarm. You can personalize any of these preprogrammed arm sequences, (see Advanced Programming).

### Arming sequences

**Option 1: Away Sequence** - To arm your system **when you are the last person leaving the premises.**

1. **Press the current MPIN [ 0 0 0 ].**
2. **Press [ B ].**
3. **Press [ C ].**

You hear a long beep. The arm light and the red lights in zones 3 and 4 go on. Both the green and red lights flash in zone 1 for 45 seconds which gives you 45 seconds to leave the premises before the system is activated. After 45 seconds, both the green and red lights in zone 1 and 2 remain on. Upon re-entering the premises through zone 1, or walking in the monitored area of the motion sensor, zone 2, you have 30 seconds till the alarm sounds. The system gives you 30 seconds from the time you enter the premises, for example opening the front door, to get to the Control Panel to deactivate the system. Zones 3 or 4 remain instant. If any sensor in zone 3 and 4 are activated, the alarm sounds instantly.

## STANDARD PROGRAMMING

**Option 2: Home Sequence** - To arm your system **when someone remains in the premises.**

1. Press the current MPIN [ 0 0 0 ].
2. Press [ C ].

You hear a long beep. The arm light and the red lights in zones 3 and 4 go on. Both the green and red lights flash in zone 1 for 45 seconds which gives you 45 seconds to leave the premises before the system is activated. After 45 seconds, both the green and red lights in zone 1 remain on. Upon re-entering the premises through zone 1, you have 30 seconds till the alarm sounds. The system gives you 30 seconds from the time you activate the door/window sensor, for example opening the front door, to get to the Control Panel to deactivate the system. Zone 2 remains off which allows the person in the premises to move around without activating the motion sensor. Zones 3 and 4 remain instant. If any sensor in zone 3 or 4 are activated, the alarm sounds instantly.

**Option 3: Night Sequence** - To arm your system **when there are people in the premises and no one is expected to enter or exit.** Example at night when everyone is sleeping.

1. Press the current MPIN [ 0 0 0 ].
2. Press [ A ].
3. Press [ B ].

You hear a long beep. The arm light, the red light in zones 1, 3 & 4 go on. If any of the sensors are activated in any of these 3 zones, the alarm is sounded instantly. Zone 2, the motion sensor, remains off allowing movement throughout the premises.

### TO DISARM THE SYSTEM USING THE KEYPAD ON THE CONTROL PANEL

1. Press the current MPIN [ 0 0 0 ].
2. Press [ # ].

All the lights but the AC PWR light go off. **The system is now disarmed.**

**Note:** If [MPIN,#] is entered when the system is not activated, the system will default back to the last sequence before the unit was turned off.

**Emergency Silent Alarm** works in conjunction with the Emergency Dialer (option), see Additional Accessories.

If under duress when disarming the system:

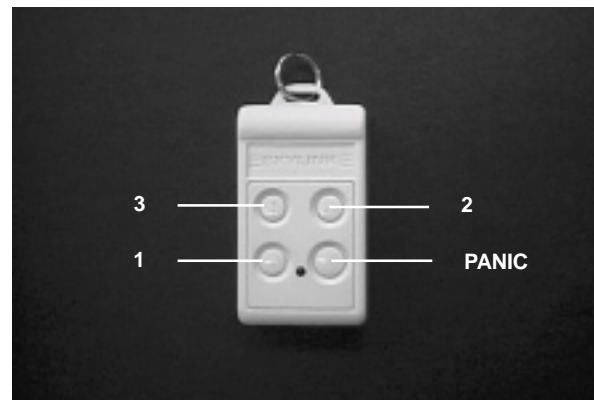
1. Enter the current MPIN [ 0 0 0 ].
2. Press [ B ] [ B ].

This will terminate the delay mode (stop the steady repeated beep) and return to the previous arm mode. It will also send a signal to the Emergency Dialer silently which will then automatically send a prerecorded message for help.

## KEYCHAIN TRANSMITTER (4B-434)

The Keychain Transmitter conveniently fits on any keychain. It allows you to arm and disarm the system from a distance of approximately 100 feet from the Control Panel. The distance will depend on what is between the keychain transmitter and the Control Panel. It also has a panic button that lets you remotely activate the siren instantly.

Note: Make sure you press down on the transmitter for one full second or the system may not respond.



### TO ARM SYSTEM USING THE KEYCHAIN TRANSMITTER

There are 2 different arm options to choose from:

1. Press button #1, and the Control Panel will beep once.  
The system will be armed in the Away Sequence. To be used to arm the system **when you are the last person leaving the premises.** (see page 13 for information on the Away Sequence).

Pressing button #1 will give you the same result as pressing: MPIN, [ B ], [ C ] on the keypad.

2. Press button #2, and the Control Panel will beep once.  
The system will be armed in Home Sequence. To be used to arm the system **when someone remains in the premises.** (see page 14 for information on the Home Sequence).

Pressing button #2 will give you the same result as pressing: MPIN, [ C ] on the keypad.



## KEYCHAIN TRANSMITTER (4B-434)

### TO DISARM THE SYSTEM, OR DEACTIVATE THE SIREN USING THE KEYCHAIN TRANSMITTER

#### When the system is armed:

Press button #3.

The red light on the transmitter flashes and the Control Panel beeps twice.

The system is now disarmed.

#### When the siren is sounding:

Press button #3.

The red light on the transmitter flashes and the siren is deactivated.

### THE PANIC BUTTON ON THE KEYCHAIN TRANSMITTER

Both the Control Panel and the keychain transmitter are equipped with panic buttons. It doesn't matter what mode you are in or even if the system is off, once either panic button is pressed, the siren comes on instantly. The alarm will continue to sound for 180 seconds or until the system is disarmed.

The panic button on the keychain transmitter is the larger red button.

The panic button on the Control Panel is the red button on the keypad.

## PASSWORDS

### MASTER PERSONAL IDENTIFICATION NUMBER (MPIN)

Security access to the SC-100 is controlled by a MASTER PERSONAL IDENTIFICATION NUMBER (MPIN) or SECONDARY PERSONAL IDENTIFICATION NUMBER (SPIN). All programming sequences start with either the MPIN or SPIN.

#### To Change your MPIN:

1. Enter the current MPIN, (the MPIN is factory preprogrammed with 0 0 0).
2. Press [ \* ].
3. Press [ 0 ].
4. Press [ \* ].
5. Enter your new MPIN, (your MPIN must be a minimum of 3 digits).
6. Press [ \* ].

If the system accepts the new MPIN, you will hear a long beep.

If you hear three short beeps, the system did not accept the new MPIN. Start again from the beginning.

**Note:** If you enter an incorrect MPIN or SPIN, the alarm will sound after the forth incorrect attempted.

**Note:** If you forget the current MPIN, unplug the Control Panel and remove the battery. The MPIN will automatically return to the factory default of 0 0 0. Make sure the unit is disarmed when you open the Control Panel. The Control Panel has a built in Defence System. When the unit is armed and the Control Panel is opened or vandalized, the alarm will sound and send a signal to the emergency dialer (if applicable). For more information on the Emergency Dialer see Additional Accessories. (page 29)

## PASSWORDS

### SECONDARY PERSONAL IDENTIFICATION NUMBER (SPIN)

You may want to give someone limited access to the system, (baby sitter, cleaner, repairman etc.). For this purpose the SC-100 provides you with the option of adding up to 3 separate SPIN.

A SPIN can be any number of 3 digits or more. You can use a SPIN to arm and disarm the system but not to program it, (programming is explained in the next section). When someone no longer needs to have access to your security system, you can simply delete their SPIN.

#### Adding a SPIN

1. Enter the current MPIN.
2. Press [ \* ].
3. Press the number key to identify user, either [ 1 ], [ 2 ] or [ 3 ].
4. Press [ \* ].
5. Enter the new SPIN ( your SPIN must be a minimum of 3 digits).
6. Press [ \* ].

If the system accepts the new SPIN, you will hear a long beep. If you hear three short beeps, the system did not accept the new SPIN. Start again.

#### Deleting a SPIN

1. Enter the current MPIN.
2. Press [ \* ].
3. Press the number to identify the user, either [ 1 ], [ 2 ] or [ 3 ].
4. Press [ \* ].
5. Press [ \* ] one final time.

If the SPIN was successfully deleted, you will hear a long beep.

## ADVANCED PROGRAMMING

### PROGRAM SENSORS TO DIFFERENT ZONES

You now have a basic understanding of how the SC-100 security system works. In this section, (Advanced Programming), we will explain how to move sensors to different zones, how to change the alarm modes (for example from Instant Mode to Delay Mode), and how to customize the pre-programmed arm sequences (for example if you only use one door to enter/exit from, your secondary door should communicate with a zone that is in instant mode).

Your SC-100 Security System is divided into five zones. The 1st four zones are displayed on the Control Panel as 4 pairs of lights, one green and the other red. When a remote sensor (door/window sensor or motion sensor) is activated, it sends a signal to one of the 1st four zones on the Control Panel. Each zone can communicate with as many as six sensors. The Control Panel can communicate with a maximum of 24 different sensors.

The fifth zone, (which is not represented by any lights on the Control Panel), is programmed to communicate with Keychain Transmitters. Zone 5 can accommodate a maximum of six Keychain Transmitters 4B434 or Keypad transmitters KP-433 (option).

You can assign your remote sensors to whatever zones you want. For your convenience, we have preprogrammed the remote sensors for you. Both door/window sensors are assigned to zone 1 and the motion sensor is assigned to zone 2.

You may wish to program a sensor to communicate to a different zone. For example: if you do not enter/exit from your back door, you may want to change the zone so that the door sensor is communicating with a different zone. Currently, this sensor is communicating with zone 1, but if you change it so it will be communicating with zone 3, the alarm will now sound instantly. You may have a premises with three enter/exit doors. You will need additional door/window sensors, (see Additional Accessories).

## ADVANCED PROGRAMMING

To program sensors to send their signals to a different zone, you must first clear them from communicating with their current zone.

### TO CLEAR A ZONE

1. Enter the current MPIN.
2. Press [ B ].
3. Press the number key to identify current zone [ 1, 2, 3 or 4 ].  
The zone light(s) will flash for eight seconds.
4. While the zone light(s) are flashing, press [ \* ].  
Now both the green and red lights flash for 30 seconds.
5. Do not activate any sensors while these lights are flashing.  
Once the lights stop flashing, the zone is cleared of all devices.

Now that you have cleared the zone from communicating with all sensors, program the sensors to the zones you would like them to communicate with, (see below).

### TO PROGRAM A SENSOR TO A ZONE:

1. Enter the current MPIN.
2. Press [ B ].
3. Press the number key to identify which zone to add the sensor to, zone [ 1, 2, 3 or 4 ].  
The zone light(s) will flash for eight seconds.
4. While the zone light(s) are flashing, press [ \* ].  
Now both the green and red lights flash for 30 seconds.
5. While the zone lights are flashing, go to the remote sensor you are adding and activate it. Walk in front of the motion sensor or open the door/window.

You will hear a long beep, the zone light will stop flashing and the remote sensor will now communicate to that zone.

**Note :** You can only add remote devices to a zone one by one, but you can not remove them one by one. You must clear all sensors from the zone and add back the ones you want.

### TO PROGRAM THE MOTION SENSOR TO THE SECURITY CONTROL PANEL (SC-001):

1. Set the switch on the side of the Motion Sensor to "ON". Wait 60 seconds to warm up.
2. Enter the current MPIN (Master Personal Identification Number).

## ADVANCED PROGRAMMING

3. Press [B].
4. Press the number key to identify which zone to add the Motion Sensor to [1, 2, 3, 4]. We recommend you program the motion sensor to zone 2. The zone light will flash for eight seconds.
5. While the zone light is flashing, press [ \* ].
6. While the zone light is flashing, walk in front of the Motion Sensor in order to activate it. You will hear a long beep if the motion sensor is "learned" to the control panel. The zone light will stop flashing and the remote sensor will now communicate to that zone.

### TO DELETE A KEYCHAIN TRANSMITTER FROM ZONE 5:

1. Enter the current MPIN.
2. Press [ B ].
3. Press [ 5 ].
4. Press [ \* ].
5. Do not activate any Keychain Transmitters or sensors for 30 seconds after the [ \* ] was pressed.

You have now cleared zone 5 from communicating with all Keychain Transmitters. Please re-program the keychain transmitters that you would like to use by the following instruction.

### TO PROGRAM A KEYCHAIN TRANSMITTER OR KEYPAD TRANSMITTER (OPTION) TO ZONE 5:

1. Enter the current MPIN.
2. Press [ B ].
3. Press [ 5 ].
4. Press [ \* ].
5. Within 30 seconds of pressing the [ \* ], press any of the four buttons on the Keychain Transmitter OR press the panic button on the Keypad Transmitter.

You will hear a long beep and the Keychain Transmitter will now communicate with zone 5.

**NOTE:** Zone 5 is designated for keychain and keypad transmitter ONLY. Please do not program any sensors other than keychain and keypad transmitters into zone 5, otherwise the system will not work properly.

## ADVANCED PROGRAMMING

### STANDARD ARMING SEQUENCES

Each zone can be programmed to react 5 different ways when it receives a signal from a remote sensor.

1. **Chime Mode** - represented by the green lights  
When only the green light is on and the Control Panel receives a signal from a remote sensor, the Control Panel emits a subtly two tone chime.
2. **Instant Mode** - represented by the red lights  
When only the red light is on and the Control Panel receives a signal from the remote sensor, the Control Panel will activate the siren instantly.
3. **Delay Entry Mode** - represented by the green and red lights  
When both the green and red lights are on and the Control Panel receives a signal from a remote sensor, the lights will flash and the Control Panel will beep for 30 seconds before the alarm sounds. These 30 seconds give you time to enter the premises and deactivate the alarm before the siren sounds.
4. **Delay Exit Mode** - represented by the flashing of both the green and red lights for 45 seconds  
When both green and red lights are flashing, the control panel will not recognize any remote sensors communicating to that zone. These 45 seconds allow you time to exit the premises before that zone is activated. When the lights stop flashing, both green and red lights will remain on, which is now in DELAY ENTRY MODE. (See above for information on DELAY ENTRY MODE).
5. **Off** - neither the green nor the red lights are on.  
The Control Panel will not recognize any signals from a remote sensor.

We have preprogrammed different combinations of the above modes to meet different situations, (see STANDARD PROGRAMMING).

### ADDITIONAL ARMING SEQUENCES

Below are three additional programming options you may want to use.

**Option 1: Advanced Home 1** - use to secure the premises while staying in the building. Delays the alarm to allow someone to enter the building and deactivate the alarm.

## ADVANCED PROGRAMMING

1. Enter the current MPIN.
2. Press [ A ].
3. Press [ A ].

You will hear a long beep. The arm light, the red and green lights in zones 1 and the red lights in zones 3 and 4 go on. Zone 1 has the entry delay to allow someone to enter through the front door and deactivate the system before the siren sounds. This option does not have the exit delay so you are not able to leave the premises without activating the alarm. Zone 2 (the motion sensor), is off allowing movement in the premises and zones 3 & 4 are instant.

**Option 2: Advanced Home 2** - use to secure the premises while staying in the building. Delays the alarm to allow someone to enter the building and/or walk in the monitored area of the motion sensor to deactivate the alarm.

1. Enter the current MPIN.
2. Press [ A ].
3. Press [ C ].

You will hear a long beep. The arm light, the red and green lights in zones 1 and 2 as well as the red lights in zones 3 and 4 go on. Zone 1 & 2 has the entry delay to allow someone to enter through the front door and walk in the area monitored by the motion sensor and deactivate the system before the siren sounds. This option does not have the exit delay so you are not able to leave the premises without activating the system. Zones 3 & 4 are instant.

**Option 3: Chime Sequence** - this sequence is used for testing the system but it can also be used to subtly alert you when a zone has been activated. Example, if a young child opens the front door, the Control Panel will emit a two tone chime advising you that the front door has been opened. (See page 11 for programming information for the CHIME SEQUENCE.)

The three arm sequences above ; Advanced Home 1, Advanced Home 2 and Chime Sequence along with the three sequences described in the STANDARD PROGRAMMING; Away Sequence, Home Sequence and Night Sequence, make up the six preprogrammed arm sequences.

**However**, if any of these six sequences do not satisfy your needs, you may want to change the modes in certain zones. For example, your zone 2, (motion sensor) is currently in delay mode. If your motion sensor is located in the basement and you would like to change it to the instant mode, see below.

## ADVANCED PROGRAMMING

### TO CUSTOMIZE A SEQUENCE:

Program the system to the sequence you want to alter.

1. Enter the current MPIN.
2. Press [ B ].
3. Press a number key to select the zone you would like to change, [ 1, 2, 3 or 4 ].  
The zone lights in the chosen zone will flash for eight seconds.
4. While the lights flash, press [ A ].
5. Select the new mode you want to use:  
[ 0 ] = Disarm, [ 1 ] = Chime Mode, [ 2 ] = Delay Entry/Exit Mode, [ 3 ] = Instant Mode
6. Press [ \* ].

A long beep signals a successful change.

## SUMMARY OF ARMING SEQUENCES

Below is a table summarizing all the preprogrammed sequences.

<u>Sequence</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zones 3 &amp; 4</u>	<u>When sequence should be used</u>
<b>FOR TESTING</b>				
MPIN A #	chime	chime	chime	use for testing after installation and to test batteries, also use as a subtle chime when a remote sensor has been activated
<b>BASIC PROGRAMMING</b>				
MPIN B C (after 45 sec.)	exit delay entry delay	off entry delay	instant instant	use when leaving the premises and no one is inside
MPIN C (after 45 sec.)	exit delay	off	instant	use when leaving the premises and someone is inside the premises
MPIN A B	instant	off	instant	use when people are in the premises and no one is expected to enter/exit
MPIN #	off	off	off	turns off the system
note: when MPIN # is enter and the system is already off, the system will default back to the last sequence before the unit was shut off				
<b>ADVANCED PROGRAMMING</b>				
MPIN A A	entry delay	off	instant	someone is in the building and someone is expected to enter/ no exit delay
MPIN A C	entry delay	entry delay	instant	person staying in the premises is setting the alarm and will not walk in the area monitored by the motion detector

Panic button - The SC-100 has 2 panic buttons, (the red buttons on the keychain transmitter and on the Control Panel). The alarm will sound instantly when either of these buttons are pressed what ever mode you are in.

Emergency Silent Alarm (works in conjunction with the Emergency Dialer option) - When disarming the system under duress, enter your MPIN, then press [ B ], [ B ]. This will terminate the delay mode and return to the previous arm mode, as well as send a signal to the Emergency Dialer, which will then send pre-recorded messages for help.

When both power sources are removed from the Control Panel, (the AC adapter is unplugged and the battery is removed), all sequences will return to the above factory default.

## BATTERY MAINTENANCE

The SC-100 Security System comes with 5 batteries that at some point you may have to replace:

- 1 9 volt alkaline battery for the Control Panel
- 1 9 volt alkaline battery for the Motion Sensor
- 2 12 volt alkaline batteries for the 2 Door/Window Sensors
- 1 12 volt alkaline battery for the Keychain Transmitter

Recommendation: Test your system periodically to ensure that all batteries are working.

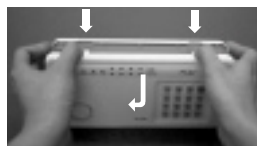
### CONTROL PANEL BATTERY

The Control Panel comes equipped with a backup battery in case the electrical power is interrupted for any reason.

When the Control Panel battery is low, the LOBATT. light goes on. Also, when the LOBATT. light is on and if you press any key on the keypad, 10 beeps warn you that the battery needs to be changed.

#### To replace the Control Panel backup battery:

1. Disarm the unit.
2. Open the Control Panel case by pressing down on the two tabs on the top edge and pull the front forward.
3. Disconnect the old battery.
4. Connect the new battery.
5. Close the Control Panel.



Note: To guard against sabotage, the Control Panel is equipped with an emergency switch that activates the alarm instantly when the case is opened. Make sure that the unit is disarmed when you open the case or you will activate the alarm.

The battery life, (9 volt alkaline battery), is approximately two years if used only for backup.

Note: If the AC adapter is disconnected while the battery is replaced, the security system will erase all the modifications that have been made and return to the factory default. Also, your MPIN will return to 000.

## BATTERY MAINTENANCE

### MOTION SENSOR BATTERY

The Motion Sensor operates on a 9 volt alkaline battery accessible beneath a sliding panel on the bottom of the unit. All remote sensors come with the battery already installed. Disarm the Control Panel before replacing all batteries.

When the battery level is low, the Motion Sensor will emit a long beep (approx. 3 seconds) when motion is detected. This indicates you should replace the 9V battery.

#### To replace the Motion Sensor battery:

1. Take the Motion Sensor down from the wall.
2. Slide off the battery cover.
3. Take the old battery out of the battery compartment.
4. Disconnect the old battery from the connector wire.
5. Connect the new battery to the connector wire.
6. Put the new battery into the battery compartment.
7. Slide the battery compartment back on.
8. Set the switch on the side of the Motion Sensor to "ON".
9. Put the unit back on the wall.



Switch unit to the "off" position when not in use for long periods of time to extend battery life.

### AC Adapter (Optional)

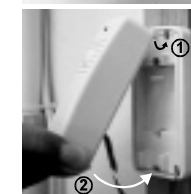
An optional AC adapter can be plugged in to the Motion Sensor as a regular power source. The output voltage of this optional AC adapter should be at 9V under normal operating condition, the Motion Sensor will not consume the power of the 9V battery. However, we recommend users should still install the 9V battery as a back up power supply in case of a power failure.

### DOOR/WINDOW SENSOR BATTERY

Each door/window sensor operates on a 12 volt alkaline battery that is inside the transmitter. The sensors come with the batteries already installed.

#### To replace the battery:

1. Push on the clip at the bottom of the transmitter case with a sharp object (such as a paper clip or pen knife) and pull it away from the backplate.
2. Pry out the old battery from one end.
3. Push the new battery back into place. A diagram beside the battery well indicates which end is positive and which is negative.
4. Snap the transmitter back onto the backplate.



## BATTERY MAINTENANCE

### KEYCHAIN TRANSMITTER BATTERY

The Keychain Transmitter operates on a 12 volt alkaline battery which is installed at the factory.

There are two screws on the back of the transmitter that holds the case together.

#### To replace the Keychain Transmitter battery:

1. Undo the two screws on the back of the transmitter.  
The back will then come off.
2. Using a small screwdriver or pen knife, pry out the old battery from one end.
3. Place the new battery in position. A diagram beside the battery well indicates which end is positive and which is negative.
4. Close the battery cover and re-insert the two screws.

