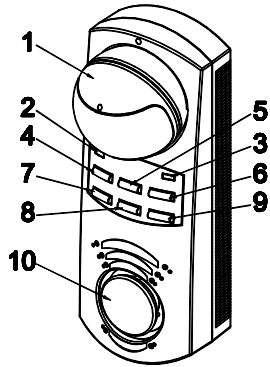


# SP122 Wireless PIR Alarm



- |                     |          |  |
|---------------------|----------|--|
| 1 PIR Motion Sensor | 6 3      |  |
| 2 Status LED        | 7 4      |  |
| 3  Low Battery LED  | 8 5      |  |
| 4                   | 9 6      |  |
| 5                   | 10 Siren |  |

The Wireless PIR Alarm is designed to protect your property, serving as a security system and entry enunciator as well. Upon activation caused by temperature fluctuation of human movement, a piercing 130 decibels alarm sound or chime alert will be emitted.

## INSTALLING BATTERIES

The Wireless PIR Alarm requires 4 “AAA” batteries. If the LED of Alarm is flashing, the batteries need to be replaced right away, otherwise the Alarm cannot be working properly. Average battery life for typical usage is 1 year.

To install the batteries:

1. Remove screw at base of compartment and slide off cover. (FIGURE 1a & 1b)
2. Insert 4 “AAA” batteries ensuring correct polarity being put. (FIGURE 2)

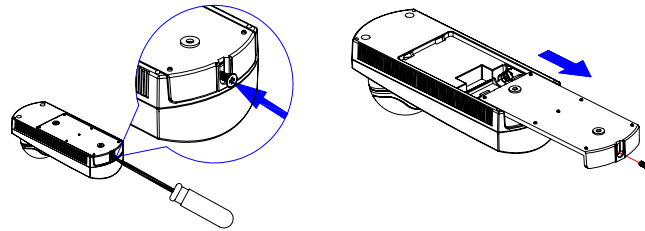


FIGURE 1a & 1b

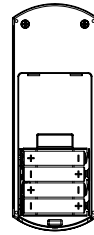
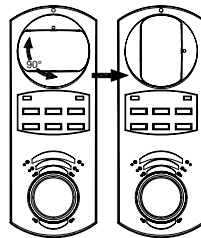


FIGURE 2

**Note:** Remove batteries before storing the Alarm for extended periods. Batteries corrode over time and may cause permanent damage to the unit. Different types of batteries or new and used batteries should not be mixed. Depleted batteries should be removed from the unit and disposed of properly.

## CHOOSING A MOUNTING LOCATION

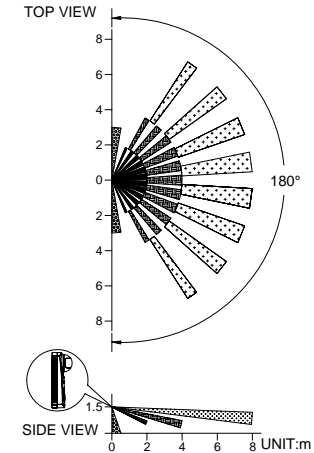
The Alarm is designed to be wall mounted. Since the PIR can be swiveled 90° rightward & leftward, plan the detection coverage according to the below options. (FIGURE 3)



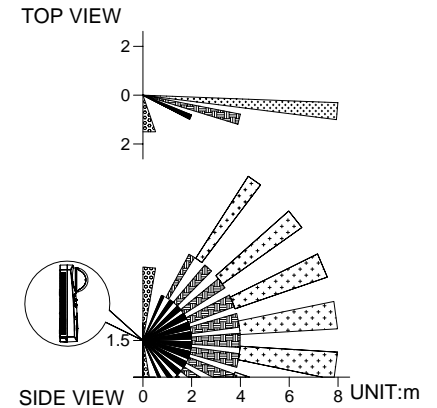
Option 1 Option 2

FIGURE 3

## Option 1



## Option 2



**Note:** We recommend that the Option 2 is applied to the stairway detection where visitors or intruders may pass through.

When considering and deciding upon the mounting position for the Alarm, the following points should be considered to ensure trouble free operation:

1. Do not locate the Alarm facing a window or where it is exposed to or facing direct sunlight. The Alarms are not suitable for use in conservatories.
2. Do not locate the Alarm where it is exposed to ventilators.
3. Do not locate the Alarm directly above a heat source, (e.g. fire, radiator, boiler, etc).
4. Where possible, mount the Alarm on the flat wall at a 1.5m height so that the logical path of an intruder would cut across the fan detection pattern. PIR Alarm responds more effectively to movement across the device than to movement directly towards it. (FIGURE 4)

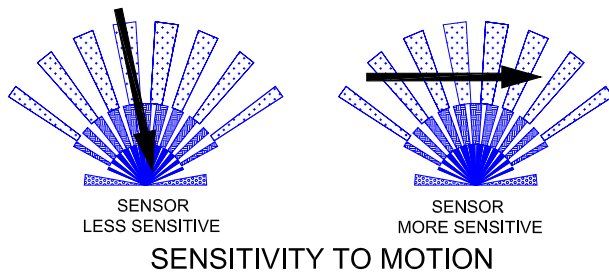


FIGURE 4

5. Ensure that the position selected for the Alarm is within effective range of the system.

### INSTALLING THE PIR ALARM

Choose desired location and fix the battery cover on the wall using plastic wall plugs and screws provided. Place the Alarm to the battery cover and secure with the screw. (FIGURE 5)

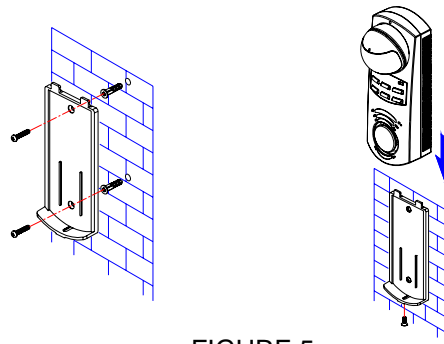


FIGURE 5

### STARTING UP

Upon completion of batteries insertion, the Alarm will have 60 seconds warm-up period. During this period, the Status LED keep flashing, any inputting or movement of human body will be ignored. The Status LED will be off after expiry of 60 seconds warm-up period.

The ex-factory mode is set for “off “ and 4-digit security code [1, 2, 3, 4] has been set as the default secret code. When you remove the battery, pressing any button will clean out your previous setting. (Note: After removing or replacing the batteries, the Alarm security code would be automatically set back as default [1, 2, 3, 4].

### SETTING THE 4-DIGIT SECURITY CODE

Default setting: 1, 2, 3, 4

For initial operation, press [1, 2, 3, 4] 4-digit security code and then mode key, the Status LED and LED will keep illuminating.

Press your new 4-digit security code and then mode key within 15 seconds. This 15-second period is designed for entering the new security code. If setting fails to be entered or incorrect codes were made for

three times consecutively within 15 seconds, the Alarm will skip to off mode automatically.

While setting the security code, no radio signal will be transmitted to the receiver if motion is sensed.

### CODE LEARNING SETTING

Press [[1, 2, 3, 4] 4-digit security code and then 6 mode key to enter the code learning mode. The Alarm will transmit a radio signal to the receiver instantly. Upon completion of code learning transmission, the Alarm will skip to off mode automatically. During code learning mode, any input or activation will be ignored.


### ARMING THE ALARM

Both “instant” and “entry delay” mode have a 15-second exit delay duration.

1. **Instant mode:** Arm the Alarm by pressing your 4-digit security code and then mode key. The Alarm will have 15-second exit delay duration before the Alarm is armed. The delay allows time for you to leave the protected area without triggering the Alarm. During this 15-second delay duration, the Alarm will beep and Status LED will flash as a notification. The Alarm will enter instant mode after expiry of 15-second exit delay duration.


When motion is sensed, the Alarm will sound for 30 seconds for each activation and emit a “Start” radio signal to the receiver simultaneously. After sending the radio signal for 15 minutes, the Alarm will transmit a “Stop” radio signal to the receiver.

**Note:** We would recommend that the Alarm mode is set for Chime when you are at home to avoid hearing damage resulted from frequent activation.

2. **Entry delay mode:** Arm the Alarm by pressing your 4-digit security code and then  mode key. The Alarm will have 15-second exit delay duration. The delay allows time for you to leave the protected area without triggering the Alarm. During this 15-second delay duration, the Alarm will bleep and Status LED will flash as a notification. The Alarm will enter delay mode after expiry of 15-second exit delay duration.

Once the motion is detected, the Alarm will emit a “Start” radio signal to the receiver and will not sound until 15-second entry delay duration expires which allows you to disarm the Alarm before the Alarm sound for 30 seconds. After sending the radio signal for 15 minutes, the Alarm will transmit a “Stop” radio signal to the receiver.


### DISARMING THE ALARM

Disarm the Alarm by pressing your 4-digit security code and then  mode key.

When the Alarm is set in the off mode, any activation or radio frequency transmission will be ignored.


**Note:** To test, a cloth can be used to cover the alarm to reduce risk of hearing damage.

### ACTIVATING THE CHIME

Activate the chime by pressing your 4-digit security code and then  mode key. One chime can be heard as a notification upon initiation. When motion is sensed, the Alarm will emit a “Start” radio signal to the receiver and will emit two chimes for each activation. After sending the radio signal for 15 minutes, the Alarm


will send a “Stop” radio signal to the receiver.

### DEACTIVATING THE CHIME


Deactivate the chime by pressing your 4-digit security code and then  mode key.


### LED INDICATION

When entering 4-digit security code with the fifth mode key correctly, the Alarm will respond with a long bleep with the Status LED illuminating.

The  LED will be flashing three times accompanying three bleeps every time when codes have been entered incorrectly.

The Alarm will be disabled for 30 seconds when incorrect codes have been entered three times consecutively.

The  LED will be flashing when incorrect codes have been entered during the siren sound period. If incorrect codes have been entered three times consecutively during the siren sound period, the Alarm will be disabled until the siren sound ceases.






In the event of a low battery condition,  LED will be flashing every 3 seconds until the battery power depletes. Low battery indication won't be visible until the Alarm is at idle condition which means PIR activation, code input, 30-seconds disabled period, delay mode and code clearance will not be indicated.

### CARE AND MAINTENANCE

To clean the unit housing, use a soft cloth slightly dampened with water and wipe dry. Do not use chemical agents as this may damage and discolor the

unit.

### FAST INPUT GUIDELINE

Default Setting (4-digit security code)	Mode Key	Mode Status
1, 2, 3, 4		Instant
1, 2, 3, 4		Delay
1, 2, 3, 4		Chime
1, 2, 3, 4		Off
1, 2, 3, 4		Security Code
1, 2, 3, 4	6	Code Learning

**Note:** The security code for your Alarm should be changed from the factory default setting.

**Note:** If codes have not been entered entirely, incomplete preset codes will be cleaned after 10 seconds automatically. If codes have not been entered entirely during the siren sound, incomplete preset codes will be cleaned until the siren sound ceases. If codes have not been entered entirely during the change of security code, incomplete preset codes will be cleaned until the change of security code is finished.

### SPECIFICATIONS:

Frequency range	314-316 MHz
Battery	1.5V AAA type x 4
Communication Range	70 meters min. (in an open space)

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**IMPORTANT NOTE:**

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.