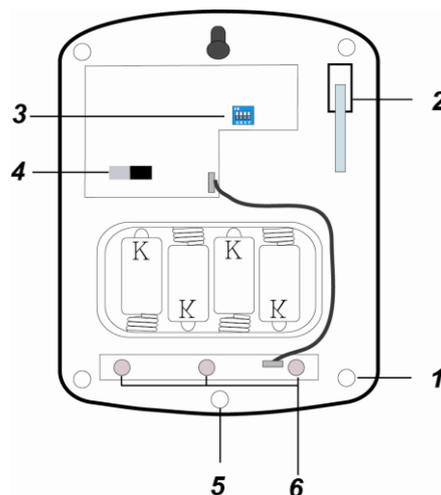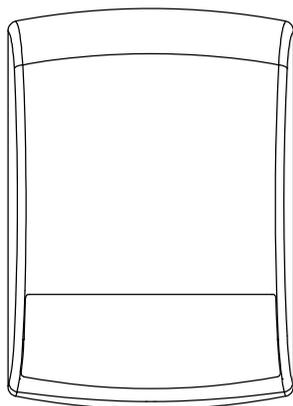# Wireless Outdoor Bell Box (BX-S1)

Parts Description

1. Mounting Holes x 4

2. Tamper Switch

The tamper switch protects the device from being opened or from being removed from mounting surface.

3. Function Switch Block

Contains 7 DIP Switches to enable the learning mode and to set the alarm period of siren and strobe light.

4. Power Switch

To enable/disable the power supply

5. Securing Screw

6. LEDs

Package Content

1 x Outdoor Bell Box

4 x large wall plugs and screws

4 x 1.5V D alkaline batteries

Dip Switch

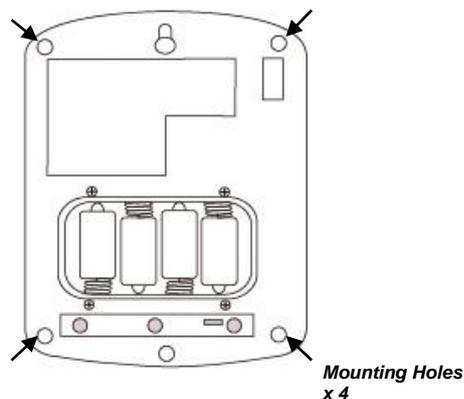| SW1		Siren Learning
OFF		Normal operation
ON		Learn-in mode
SW2		Strobe Activation
OFF		only during siren alarm period
ON		until alarm is disarmed
SW3	SW4	Siren Duration
OFF	OFF	3 min.
ON	OFF	5 min.
OFF	ON	10 min.
ON	ON	1 second (test)
SW5		Reserved
SW6		Memory Reset
OFF		Normal
ON		Clear Memory
SW7		Supervision
OFF		Supervision function disable
ON		Supervision function enable

＊ For further detail please see **Learning** and **Operaion.**

Learning

1. Open the front cover and locate the Function Switch Block.

2. Use a sharp object to set Dip SW3 & SW4 on the function switch block to your desired alarm length.

3. Enter learning mode for your control panel.

4. Slide the Power Switch to ON position to power on the Bellbox.

5. Slide Dip SW1 to the ON position. The Bell Box LED 1 & 3 will flash once with a short beep. The BX-S1 is now in learning mode. After 3 seconds, the Bell Box will send out a learning code, the LED 1 & 3 will flash once to confirm

6. If the Control Panel receives the learning signal, please refer to the Control Panel manual to complete the learning process. When learning is complete, the Control Panel will send signal to the Bell Box to confirm. The Bell Box will sound a short beep and LED 1 & 3 will flash once to indicate learning is successful.

7. If the Control Panel fails receive a learning code, slide Dip SW1 back to OFF, and then ON position again to enter learning mode again.

8. If the Bell Box does not respond, please remove the Bell Box from the control panel and repeat steps 3-6 again.

9. Slide Dip SW1 to the OFF position to leave learning mode. If you do not slide Dip SW1 back to OFF position, the Bell Box will automatically leave the learning mode in one hour.

Installation

The Outdoor Bell Box has 4 mounting holes on the back cover for wall mounting.

Mounting Holes x 4

Before Installation, refer to your Control Panel manual to temporarily disable the Siren Tamper function to avoid accidental alarm trigger.

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1. Use the 4 mounting holes on the back to mark position on the wall.
2. Drill holes into the wall using the mounting holes as template.
3. Fix the base onto the wall with the screw and plugs provided.
4. Replace the front cover onto the base.
5. Enable the Siren Tamper function on you Control Panel.

When mounting the Bell Box, please take note of the following points:

- Mount on the external wall at a prominent location.
- Mount as high as possible out of easy reach.

Operation

Tamper Switch

The Bell Box is protected by a tamper switch which will be activated if the Bell Box is removed from the mounted location, or its cover opened. When installing the Bell Box, please make sure the tamper switch is properly compressed against the wall, and the front cover is secured with screw.

Before installing the Bell Box, changing mounting location or batteries, please make sure to disable the tamper switch temporarily using your Control Panel's Siren Tamper function and enable the tamper switch again after finish working on the Bell Box. Please refer to your Control Panel manual for detail.

Siren Audible Performance

The siren produces a minimum of 104 dBA sound pressure at 1 meter range when activated.

For Burglar and Panic Alarm, the Bell Box gives a continuous alarm sound.

For Fire / Water alarm, the Bell Box gives an intermittent alarm sound of 2-sec siren followed by a 1 sec interval.

The siren is silenced when either the programmed siren length expires or when the Control Panel is disarmed to turn off the siren. Please refer to Dip Switch table above to set your desired alarm length through Dip Switch SW3 and SW4 setting.

Strobe (LED) Light

When the Bell Box is activated, the LED strobe light will also flash to indicate the Bell Box is alarming. The duration of strobe light flash is determined by Dip Switch SW2 setting. When set to OFF, the strobe light will flash according to the alarm length set by Dip Switch SW3 and SW4. When set to ON, the strobe light will flash after the alarm length has expired until the control panel is disarmed.

Audio & Visual Status Indication Table

The Bell Box will activate its siren and strobe light to notify the user of system status, please refer to below table.

	Siren Audio	Strobe light indication
Arm/Home	1 beep*	3 LED flashes at once
Disarm	2 beeps*	Sequentially flashes for 1 cycle
Arm (Low Battery)	5 beeps	3 LED flashes for three times
Disarm (Low Battery)	5 beeps	Sequentially flashes for 2 cycles
Arm (Tamper)	5 beeps	3 LED flashes for three times
Disarm (Tamper)	2 beeps*	Sequentially flashes for 2 cycles
Previous alarm warning	3 sec beep	Sequentially flashes for 2 cycles
Tamper Alarm	Continuous beeps	Sequentially flashes
Entry/Exit Sound	Count-down beeps	None

*Siren Audio indication will be effected by the Confirmation ON / OFF setting in your Control Panel settings.

Battery

The Bell Box uses four 1.5V D alkaline batteries as its power source. It also features low battery detection function to notify the Control Panel when battery voltage is low.

When the Bell box is on low battery, follow the procedure below to change the batteries.

1. Temporarily disable the Bell Box's tamper protection function (please refer to your Control Panel manual for detail). The Bell Box will sound a beep to indicate the tamper is disabled.
2. Remove the front cover.
3. Remove the four screws fixing the battery compartment and take off the compartment lid.
4. Remove the old batteries and press the Tamper Switch twice to discharge.
5. Insert the new D cell alkaline batteries into the battery compartment according to correct polarity.
6. The Bell Box will emit beeps and flash when the last battery is inserted.
7. Replace the battery compartment lid and front cover
8. Enable the tamper protection function through your Control Panel. The Bell Box will sound a beep to indicate.

Specification

Environmental Condition

-10°C to 40°C, relative humidity 85% non-condensing.

Radio

433 MHz

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