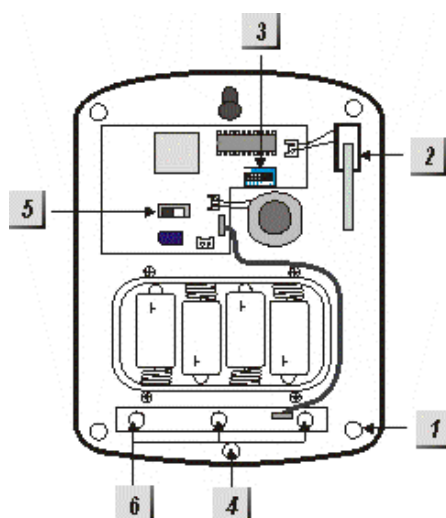


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IDENTIFYING THE PARTS

- 1 Mounting Holes x 4**
- 2 Tamper Switch**
- 3 Function Dip Switch Set**
Contains 7 jumpers to enable the learning mode and to set the alarm period of siren and strobe light.
- 4 Securing Screw**
To secure the case from opening.
- 5 Power Switch**
To enable/disable the power supply.
- 6 LED**



ACCESSORIES INCLUDED

In addition to the Bell box itself, the following accessories are also included in the package:

- a) 4 x large wall plugs
- b) 4 x 4mm x 30mm Philips screws
- c) 4 x 1.5V D alkaline cells

DIP SWITCH TABLE

Remove the cover by unscrewing the single screw located at the bottom. In the middle of the “L-shaped” PCB board, you can see a dip switch set which consists of 7 dip switches. The function of each dip switch is listed as table below.

The DIP Switch is either ON or OFF. Top position indicates ON and bottom position indicates OFF.



SW1		Siren Learning
OFF		Normal operation
ON		Learn-in mode
SW2		Strobe Activation
OFF		On for alarm period
ON		On until reset
SW3	SW4	Siren Duration
OFF	OFF	3 min.
ON	OFF	5 min.
OFF	ON	10 min.
ON	ON	1 second (test)
SW5		
OFF		Slave
ON		Stand-alone
SW6		Memory Reset
OFF		Normal
ON		Clear Memory
SW7		Reserved

POWER SUPPLY

Bell box is powered by 4 D-cell alkaline batteries with a life expectancy of over 3 years.

The Bell box can detect if the battery is low. Low battery detection operates where the Bell box has enough power to typically operate for 1 month before complete exhaustion. The siren low battery signal will be enunciated by five beeps when arming / disarming.

BELL BOX FUNCTION OVERVIEW

- **Siren Memory Clear**

The siren resets and clears all memory contents by removal of batteries. Wait for 1 minute and slide dip switch 6 to ON position before re-inserting the batteries. The siren will produce a short confirmation tone. If dip switch 6 is turned OFF, then siren ID code learned will reset every time when the siren has a power-up sequence.

- **Siren Audible Performance**

The siren produces a minimum of 104 dBA sound pressure at 1 meter on axis. It is programmable via two jumpers (SW3 and SW4) for four different siren durations:

- 1) 3 min
 - 2) 5 min
 - 3) 10 min
 - 4) 1 second
- The fourth position (1 second) is used for testing during installation.
 - The siren is silenced when either the programmed siren duration expires or the Control panel turns off the siren.
 - In case of low battery condition, Bell box gives an intermittent alarm sound instead of continuous alarm sound during the programmed siren duration.
 - For Burglar / Panic Alarm, Bell box gives a continuous alarm sound.
 - For Fire alarm, Bell box gives an intermittent alarm sound of 3 short beeps followed by a stop for 1.5 sec cyclically during the programmed alarm duration.
 - For Water alarm, Bell box gives an intermittent alarm sound of a 50% duty cycle at 0.5 sec cyclically during the programmed alarm duration.

- **Strobe Light**

The strobe light will flash to indicate various system statuses and can be programmed by SW2 as shown in switch position table. It will be turned off either when the programmed siren duration has expired or the panel resets the system.

- **Tamper Alarm**

If the siren detects a tamper condition it will activate the siren for the programmed alarm period. If the tamper condition persists, the siren will sound a series of five pips either every time the system is armed or when the tamper is enabled, to indicate a fault. Tamper feature can be enabled/disabled from the control unit by selecting "**Device +/-**" menu, then "**Program Siren**" menu, and then, choose "**Siren Tamp ON**" or "**Siren Tamp OFF**" and press OK.

- **Confirm Programming**

The siren can be programmed to produce additional confirmation beeps to tell you when the systems is armed and disarmed from outside the premises. One beep for armed or home armed, two beeps for disarmed.

The set up can be done from the control panel under "**Device +/-**" menu, then "**Program Siren**" menu and select "**Confirm On**" or "**Confirm Off**".

- Disable the Siren Confirmation by selecting "**Confirmation Off**" and press "**OK**".
- Enable the Siren Confirmation by selecting "**Confirmation On**" and press "**OK**".

- **Entry Sound On, Entry Sound Off**

The Bell box can be enabled or disabled to emit the Entry Delay warning beeps. The set up can be done from the control panel under "**Program Siren**" menu.

- Disable the Siren Entry Sound by selecting "**Entry Snd Off**" and press "**OK**".
- Enable the Siren Entry Sound by selecting "**Entry Snd On**" and press "**OK**".

- **Previous Alarm Warning**

If there has been an alarm while you were away, the Bell box will sound and flash for 3 seconds when the system has been disarmed. This only applies to triggering under Away & Home Arm modes.

WARNING: As the siren is activated for 3 seconds when you disarm your system, this suggests that an intruder may or may not still be in your premise.

- **Audio & Alarm Status Indication**

- **Panic/Burglar:** Continuous siren
- **Fire:** Siren will be on (0.5s) & off (0.5s) for three times, then comes with a break of 1.5 sec.
- **Water:** Siren will be on for 0.5s & off 0.5s continuously.

- **Audio & Visual Status Indication**

In order to easily recognize various statuses, the Bell box uses the following methods to indicate while you are in Arm and Disarm modes.

Note:

For the ones with * mark, this means the Siren Audio indication will be affected by the Confirmation ON / OFF. When setting Confirmation to OFF, the confirmation sound will not be available.

	<i>Siren Audio</i>	<i>Strobe light indication</i>
Arm	1 beep *	3 LED flashes at once
Disarm	2 beep *	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 beep *	3 LED flashes for two times

GETTING STARTED

To insert the batteries:

- Step 1. Release the screws at the bottom of Bell box and lift the outer case carefully.
- Step 2. The battery compartment is a large box in the Bell box with a lid secured with 4 screws.
- Step 3. Remove the four screws and take off the compartment lid.
- Step 4. The batteries have been inserted by factory already, just slide Power Switch to ON position.
- Step 5. The Bell box will beep and flash when the last battery is inserted.
- Step 6. Replace the battery compartment lid with the four screws and not to over tighten.

PROGRAMMING BELL BOX

Note: Remember to learn in at least one other device into control panel before Bell box can be added

- Step 1. Slide SW1 to ON position. The siren will beep and flash. The siren is now in learning mode.
- Step 2. Program the Control Unit by selecting "**Device +/- menu**", then "**Program Siren**" menu, and then "**Learn Siren**".
- Step 3. **For non-NXP Control units:**
Press "**OK**", and the Control unit will emit a long beep to confirm, followed by the siren's response of a beep and a flash.
For NXP Control units:
a) Press "**OK**", and the Control unit will ask if it is for "**Single area**" or "**Whole system**".
 - **Single area** means that HP200 raises an alarm only when the sensor, which is learnt in this area, is triggered.
 - **Whole system** means that HP200 raises an alarm when any sensor, which is learnt in either Area 1 or Area 2, is triggered.b) Select either **Single area** or **Whole System** and press OK key; the screen displays "**Pls wait RF transmitting**" and a learning code is transmitted.
c) Bell Box should respond by activating its siren & strobe light momentarily.
- Step 4. Slide SW1 to OFF position. The siren will beep and flash to confirm that the siren is now in normal operation mode.
- Step 5. **For non-NXP Control units:** Disable the tamper switch by selecting "**Program Siren**" menu on the control unit, then "**Siren Tamp OFF**" and press "**OK**".
For NXP Control units: After exiting the auxiliary devices out of Learn mode, the learning process is then complete.
- Step 6. Select "**Confirm ON**" or "**Confirm OFF**" under the "**Program Siren**" menu on the control unit, and press "**OK**". The siren will beep to confirm.
- Step 7. Set SW 3 & 4 for your desired alarm period.
- Step 8. Select "**Entry Snd ON**" or "**Entry Snd OFF**" and press **OK**.

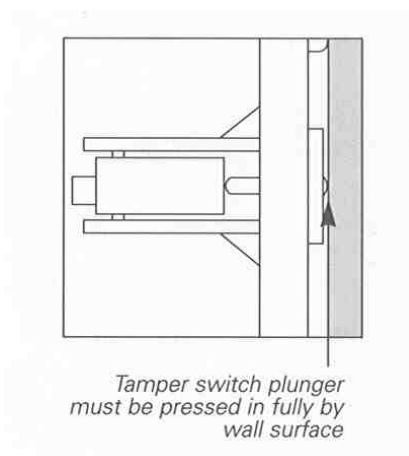
Note:

Once the tamper protection is disabled, the siren will automatically revert to **ON** after about an hour. That is, if it has not yet been switched back on again manually by selecting "**Siren Tamp ON**".

INSTALLING BELL BOX

The tamper switch plunger protrudes through the back of the unit, so that if the siren is pulled off from the wall, the alarm will be activated. Ensure that it is fully depressed when the siren is mounted. If there is a gap, pack with a suitable spacing material.

- Step 1. Find the location where Bell box is to be mounted.
- Step 2. Using the large screws and wall plugs provided, mount on wall through the 4 x mounting holes.
- Step 3. Affix the siren cover with the securing screws.
- Step 4. Enable tamper switch by selecting the "**Device +/-**" menu, then "**Program Siren**" menu on the Control Unit.
- Step 5. Test by arming and disarming with the Control Unit. If there are 5 short beeps while arming, then the tamper is not correctly set. Please ensure the cover is properly secured and try again.



CHANGING BATTERY

- Step 1. Disable tamper switch by selecting the "**Device +/-**" menu, then "**Program Siren**" menu on the Control Unit. Move the cursor down and select "**Siren Tamper Off**".
- Step 2. Release the screws at the bottom of Bell box and lift the outer case carefully.
- Step 3. The battery compartment is a large box in the Bell box with a lid secured with 4 screws.
- Step 4. Remove the four screws and take off the compartment lid.
- Step 5. Remove the batteries and press the Tamper Switch twice to discharge.
- Step 6. Slide Power Switch to **OFF** position.
- Step 7. Insert new batteries and slide Power Switch back to **ON** position.
- Step 8. The Bell box will beep and flash when the last battery is inserted.
- Step 9. Replace the battery compartment lid with the four screws and not to over tighten.
- Step 10. Enable tamper switch by selecting the "**Device +/-**" menu, then "**Program Siren**" menu on the Control Unit. Move the cursor down and select "**Siren Tamper On**".

APPENDIX

Bell box can also be used alone without a control unit as a Local Emergency Alarm System. Make sure that Dip Switch 5 is ON for Stand-Alone operation.

• Programming (Stand-alone usage):

- Step 1. Remove all batteries from the Bell box. Slide Dip Switch 5 up to ON position for standalone Mode.
- Step 2. Insert the batteries and slide the Power Switch to ON position.
- Step 3. Slide Dip Switch 1 up to ON position. The Bell Box will emit one short beep with LED #1 and #3 flash once. The Bell box is now in learning mode.
- Step 4. Press the test button on the desired devices and the Bell Box will emit one short beep with LED #1 and #3 flash once.

Note:

- A maximum of 10 devices can be added to the system.
 - The following sensors can be learnt in the Bell Box: Remote Controller (RC), Door Contact (DC), Water Sensor (WS), PIR Motion Sensor (IR), Smoke Detector (SD), Carbon Monoxide Detector (CO), Glass Detector (GL), Wrist Transmitter (WTR-), etc.
- Step 6. Follow the learning procedure for each device to learn into the system. If the device is learnt-in successfully, the Bell box LED #1 and #3 will flash once and emit one short beep.
 - Step 7. Slide Dip Switch 1 down to OFF position. A single flash of LED #2 indicates that the user has exited programming menu successfully.
 - Step 8. Set Dip Switch 3&4 for your desired alarm period.
 - Step 9. Follow the "Installing Bell box" procedure to affix it on the desired place.

Note:

- The standalone Bell Box system can be armed / disarmed by Remote Controller.
- When a Bell Box is used as a stand-alone, a previously learnt Remote Controller is able to serve as a master control. This Dual Key function is designed to enter Learn Mode without opening the Bell Box lid and triggering Tamper.

Note: RC200 is to be used with HP200.

- Step 1. Press both HOME ARM + PANIC buttons on the Remote Controller to enter the Bell Box's Learn Mode. Bell Box's LED #1& #3 will flash once along with a beep to confirm.
- Step 2. Press the learn button on the new device/sensor. (Please refer the step 5 & 6 above)
- Step 3. Press DISARM button to exit Learn Mode. The Bell Box's LED #2 will flash once to confirm.

• Changing Battery with Remote Controller RC200 (Stand-alone usage ONLY).

When a Bell Box is used as a stand-alone, a previously learnt Remote Controller is able to serve as a master control. This Dual Key function is designed to disable Tamper before changing the batteries.

Note: RC200 is to be used with HP200.

- Step 1. Press both ARM + HOME ARM buttons to disable Tamper. The Bell Box will beep once to confirm.
- Step 2. Refer to section "Changing Battery" and follow Steps 2-9.
- Step 3. Press both ARM + PANIC buttons to enable Tamper. The Bell Box will beep once to confirm.

• Clear Memory

- Step 1. Remove batteries from the Bell Box. Slide Dip Switch 6 to ON position then re-insert batteries.
- Step 2. The three LEDs should light one cycle.
- Step 3. Slide Dip switch 6 back to OFF position to return to normal mode. The reset procedure is completed.

Made in TAIWAN

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