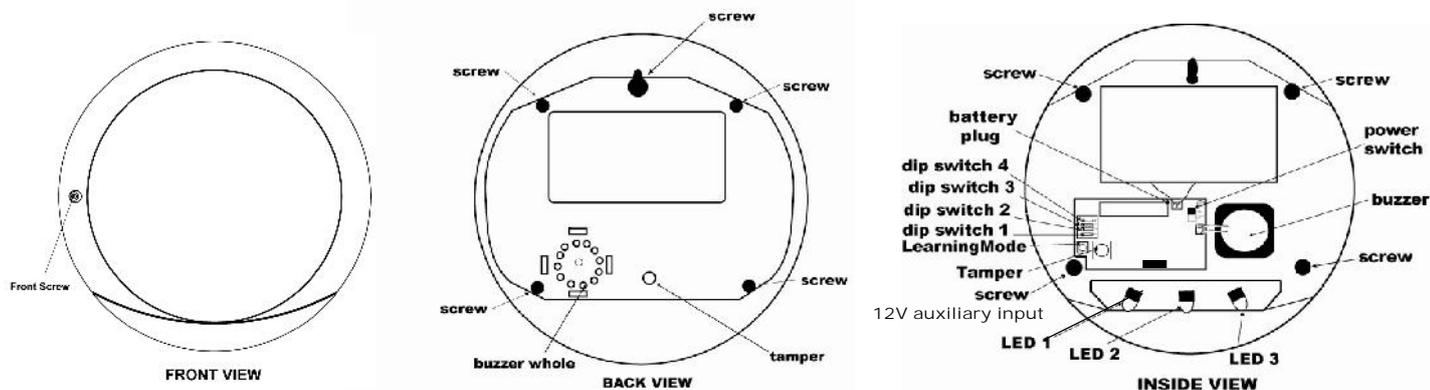


Yale Professional Wireless Round Outdoor Siren (22136)



Accessories included

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

- 4 x large wall plugs.
- 4 x 4 mm x 30 mm cross head fixing screws.
- 4 x 1.5V D sized alkaline cells.
- 12V 1A adaptor (optional)

Dip Switch Position

Remove the cover by unscrewing the single screw located at the bottom. In the middle left hand side of the PC board, you can see a dip switch set which consists of 4 Dip Switches. The function of each Dip Switch is listed as below:

The Dip Switch is either in the ON or OFF position. When the switch is to the left it is turned ON and when it is to the right it is turned OFF.

Dip Switch #4: Slave Mode

Dip Switch #3: Supervision Function Enable / Disable

Dip Switch #2: Interference Check Enable / Disable

Dip Switch #1: Clear Memory / Normal Mode

Dip Switch	ON	OFF
Slave Mode		
DP4	Not for use	Slave
Supervision Function		
DP3	Enable	Disable
Interference/Jamming Detection On/Off		
DP2	Interference On	Interference Off
DP1	Clear Memory	Normal Mode

Power Supply

BX-Y7 is powered by 4 D-cell Alkaline batteries with a life expectancy of over 3 years or by AC adaptor 12V 1A. On the right hand side of the PC board it has a power switch to turn the power ON or OFF (when the 22136 uses the power adaptor to supply power, this switch can be used to control the battery only.)

In addition, the 22136 can detect low battery condition with:

Battery operated condition: Low battery detection operates where the Siren has enough power to typically operate for 1 month before complete exhaustion. The five beeps heard when arming/ disarming warns low battery condition.

22136 Siren Function Overview

● Siren Audible Performance

The siren produces a minimum of 105 dBA sound pressure at 1 meter on axis. The siren duration depends on the value pre-set in the Control Panel (please refer to **Step 6 (a)** described in **Programming BXY7**).

- For Burglar / Emergency / Tamper Alarm, BX-Y7 gives a continuous alarm sound with sequential flashes until the pre-set alarm duration comes to a stop.
- For Fire alarm, BX-Y7 gives a continuous alarm sound (2-second on and 1-second off) with sequential flashes until the pre-set alarm duration.
- At low battery condition, the beeping will be broken into uneven cycles.
- The siren is silenced when either the programmed siren duration expires or the Control Panel turns off the siren.

● Jamming Detection (Interference Detection)

The BX-Y7 has its own jamming detection, which is selectable by Dip Switch #2. While the Dip Switch #2 is slid to ON position, jamming is detected when the radio interference is continuously present for more than 30 seconds. When this occurs, it will activate the siren & strobe light (default 3 minutes).

● Supervision

The BX-Y7 will conduct a self-test periodically, which is selectable by Dip Switch #3. While the Dip Switch #3 is slide to ON position, it will automatically transmit Supervisory signals periodically to the Control Panel at random intervals of 30 to 50 minutes in normal operation mode.

If this signal is not received, the Control Panel will indicate on its screen that the particular BX-Y7 is experiencing an out-of-order problem.

● Tamper Alarm

If the siren detects a tamper condition it will activate the siren & strobe light for the programmed alarm period. A tamper signal will be sent to the Control Panel along with regular signal transmissions for the Control Panel to display the status accordingly. 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 Panel by selecting "**Zone Config.**" menu, then "**Edit Ext. Siren**" menu, and then, choose "**Siren Tamp**". In "Siren Tamp", select **Enable** or **Disable** to enable or disable the tamper feature.

● Confirm Programming

The BX-Y7 can be programmed to produce additional confirmation beeps to tell you when the system is armed and disarmed from outside the premises. One beep for armed or home armed, two beeps for disarmed.

The setting up procedure can be done from the control panel under "**Zone Config.**" menu then "**Edit Ext. Siren**" menu and select "**Confirm Sound Disable**" or "**Confirm Sound Off**"

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

<NOTE>

- ☞ The strobe light will be performed in the sequences at the table below. Please refer to the table below for more detailed description.
- ☞ The strobe light will not be affected by the confirmation programming.

● Entry Sound On, Entry Sound Off

The BX-Y7 can be enabled or disable from sounding the Entry Delay warning beeps. The setting up procedure can be done from the control panel under "**Entry Sound**" menu.

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

● Previous Alarm Warning

If there has been an alarm while you were away, the BX-Y7 will sound and flash for 3 seconds when the system has been disarmed.

WARNING: If the siren is activated for 3 seconds even after you disarmed your system, it suggests that there could be an intruder still in your premises.

● Audio & Visual Status Indication

In order to easily recognize various statuses, the BX-Y7 uses the following methods while you are in the Arm, Home, or Disarm modes to notify the user:

<NOTE>

- ☞ * **mark**: The Siren Audio indication will be affected by the Confirm Sound. Setting Confirmation to OFF will disable the confirmation sound.

	Siren Audio	Strobe light indication
Arm/Home	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 beeps *	Sequentially flashes for 2 cycle

Programming BX-Y7

- Step 1. Unscrew the Front Screw to release the Front and Back cover. You will now see the INSIDE VIEW of BX-Y7.
- Step 2. Make sure the Dip Switch #4 set to OFF position.
- Step 3. Enter Control Panel's Engineering menu to enter Learn Mode.
- Step 4. Program the Control Panel by deciding on "Area 1 or Area 2" → "Zone Settings" → "Zone Config." → "Add Zone" menu. Press **OK** and the LCD of the Control Panel will display "**Push button on* Device to add**".
- Step 5. Make sure the Power Switch on BX-Y7 is set to ON position.
- Step 6. Press & hold the Learning Mode (Learn) button on BX-Y7 for 1 second. This will then perform one short beep with the LED #1 and #3 to flash once.

<NOTE>

- ☞ To Exit Learn Mode: Press the Learn button again, or, BX-Y7 will automatically exit after the 3 mins of time-out is expired. This will cause to perform one short beep with the LED #2 to flash once.

- Step 7. Then if the Control Panel detects a signal transmitted from BX-Y7, the Control Panel will display "**Detected (OK?) BX**". Press **OK** to confirm the learning.
- Step 8. Once the BX-Y7 received the Learn Acknowledgement from Control Panel, it will emit a short beep with LED #2 flashing once to indicate that the BX-Y7 has been successfully added into the system. Continue to finish all settings; the learning procedure is now completed.

For Step 9, Please give at least 7 second time break before programming the next function.

- Step 9. To Program BX-Y7 parameters, press the "**Return**" button on Control Panel to return back to "**Zone Config.**" Menu, then, enter the "**Edit Ext. Siren**" option.
 - i. Select "**Siren Length**" to set the Siren Duration Length. Press **↑** or **↓** to increase or decrease the siren length, selection available for Disable, 1 ~ 30 mins at 1 min discrete. Press **OK** to confirm the value and then the Control Panel will display "**Please wait..Transmittings**", indicating the Control Panel is transmitting a signal to BX-Y7. BX-Y7 will return with a short beep to indicate that the configuration is completed successfully.
 - ii. Select "**Siren Offset**" to set the Siren Delay Time. This is for you to decide how long should the Control Panel suppress the audible alarms after an alarm is reported. Press **↑** or **↓** to increase or decrease the siren delay time, selection available for Disable, 10 ~ 60 sec at 10 sec discrete. Press **OK** to confirm the value.
 - iii. Select "**Confirm Sound**" to set the confirmation beeps for notifying users of the system situation (when the system is armed or disarmed from outside the premises). Select Enable or Disable to enable or disable this function. Press **OK** to confirm the value.
 - iv. Select "**Entry Sound**" to enable or disable all sirens to play entry delay warning beeps. Select Enable or Disable to enable or disable this function. Press **OK** to confirm the value.
 - v. Select "**Siren Tamper**" to enable or disable all siren tamper remotely. Select Enable or Disable to enable or disable this function. Press **OK** to confirm the value.

<NOTE>

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

- vi. Select "**Comfort LED**" to set the LED flash interval of BX-Y7 for system operation indication under any mode; except when the system is alarming. Press **↑** or **↓** to increase or decrease the flash interval time, selection available for Disable, 5 sec, 10 ~ 60 sec at 10 sec discrete. Press **OK** to confirm the value.

<NOTE>

- ☞ Please note that enabling this feature will affect the battery life.

- Step 10: To find the best installation location for BX-Y7, you will need to make a "**Walk Test**" accordingly. Press the "**Return**" button on Control Panel to return back to "**Testing**" Menu, then, enter the "**Walk Test**" option.
- Step 11: Hold the BX-Y7 in the desired location, press the Test button to confirm if this location is within signal range of the Control Panel. The RSSI signal strength value will be displayed, varied from 0 ~ 9 (with 9 indicates the best signal strength performance)

<NOTE>

- ☞ Only to install the BX-Y7 with a RSSI value of 5 or greater.

- Step 12. Press the "**Return**" key to exit programming menu in the control panel. LED #1 ~ #3 will flash 2 cycles to indicate that the user has exit-programming menu successfully and that the system is back in Standby mode.
- Step 13. Put the Front and Back cover back on and securely screwed the Front Screw, or, continue with the "**Installing BX-Y7**" section below.

Installing BX-Y7

There are two tamper springs inside the BX-Y7 (please see **BACK & INSIDE VIEW** for Tamper location). If the siren is pulled off from the wall and/or separating its front & back cover, the alarm will be activated. Please ensure it is fully depressed when the siren is mounted.

- Step 1. Disable BX-Y7 tamper by selecting the “**Zone Config**” menu and then “**Edit Ext.Siren**” menu on the Control Panel.
- Step 2. Find a location where BX-Y7 is to be mounted.
- Step 3. Using the large screws and wall plugs provided, mount on wall through the 4 x mounting holes.
- Step 4. Fix the siren cover with the securing screw. Ensure to set the Power Switch to ON position.
- Step 5. Enable tamper by selecting the “**Zone Config**” menu and then “**Edit Ext.Siren**” menu on the Control Panel.
- Step 6. Test by arming and disarming with the Control Panel. If 5 short beeps emit while arming with all LEDs flashes for 3 times, then, the tamper is not correctly set. If no 5 short beeps emit while arming, the installation is now completed.

● Changing the Battery

- Step 1: Get into the Control Panel’s programming mode to disable the Siren Tamper function and then press the OK key on the Control Panel (please refer to the Manual of Control Panel for details). The BX-Y7 will sound a beep to indicate the tamper is closed.
- Step 2: Release the screws at the bottom of BX-Y7 and pull the outer case out carefully.
- Step 3: The battery compartment is a large box in the BX-Y7 with a lid secured with 4 screws.
- Step 4: Remove the four screws and take off the compartment lid.
- Step 5: Remove the old batteries and slide the Power Switch to OFF position. Then press the Learn Button for 1 ~ 2 seconds to discharge.
- Step 6: Insert the new D cell alkaline batteries into the battery compartment, carefully to put the batteries in the right way around.
- Step 7: The BX-Y7 will emit beeps and flash when the last battery is inserted.
- Step 8: Replace the battery compartment lid with the four screws taking care not to over tighten.
- Step 9: Put the Control Panel into the programming mode again to enable the Siren Tamper function again and then press **OK** key. The BX-Y7 will sound a beep to indicate the tamper is opened.

<NOTE>

- ☞ The Siren Tamper function will be enabled automatically within 1 hour after replacing batteries whether you enable it or not.

● Clear Memory

- Step 1. Slide the Power Switch to OFF position.
- Step 2. Press the Learn button 5 to 6 times to fully discharge.
- Step 3. Slide Dip Switch #1 to ON position then turn ON the power switch.
- Step 4. The LED #1 ~ #3 will flash 1 cycle.
- Step 5. Slide the Power Switch back to ON position with the Dip Switch #1 back to OFF position to return to normal mode.



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