1SP CP
Alarm System

User Manual

Contents

1SP_UM0810-v1.1

Introduction

Congratulations on your ownership of this security alarm system. You've made a wise decision in choosing it, for it represents the most innovative, precise and the latest in security protection technology today. We would like to personally thank you for your purchase and would like to provide you with additional information on this remarkable unit.

This security alarm system offers interior and perimeter protection. Various sensors are strategically positioned throughout your premises to perform security monitoring such as detection of movement, opening of windows and doors, shattering of glass, excess heat or smoke ….and so on. Your system may also be programmed to automatically transmit alarm and status messages to a central monitoring station and also provide appropriate information in the form of beeping tones during an alarm event, both over the telephone network.

Please take a few minutes to review the contents of this manual. In order to realize the full potential of this system it is important that you feel comfortable with its operation. The following pages will familiarize you with the procedures for operating the security alarm system.

Glossary

● **Delay zone** allows limited time entry to or exit from the protected premises and to perform Disarm or Arm respectively before the alarm goes off.
● **Instant zone** immediately triggers off the alarm if violated during Arm status.
● **24 Hour zone** generates an alarm at all times regardless of the system Arm or Disarm state.
● **Dual reporting** allows two types of reporting formats in which the system dials your personal telephone number and to a central monitoring station to report events and alarms.
● **Chime function** causes the keypad beeper to sound a tone when zones are opened during Disarm state.
● **Remote arming and disarming** allows you to Arm and Disarm your security system using your mobile phone or local touch tone telephone from anywhere in the world.
● **Quick mode function** to activate Away, Home, Bypass, Review modes directly without the need to enter your User code.
● **Force arm function** allows the system to arm, even if there are zones which are not yet secured or still open.
● **Auto daily test** reports to Central monitoring station on the operating condition of the system's dialler.
● **Key-switch** input is connected to a normal switch or external radio remote control to perform various system operations.
● **Beeping tone menu** allows you to perform standard functions remotely through a telephone with an audible low frequency tones as feedback.
● **Master User** reserves the highest priority over other users. Only Master code is allowed to program personal telephone numbers, User codes and timers during system Disarm. No programming is allowed during system Arm.

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Away Arming

Press **[#] + [AWAY]**
(If Quick Away option is enabled)

Or

Press **[User Code] + [9]**
(If Quick Away option is disabled)

☼ The Armed light turns on.

♪ Leave the premises within the Exit time. Exit beeping will continue until Exit time expires.

☼ The Line light turns on to indicate system dialler performing CMS reporting.

Information
- Away arming will activate all zones of your alarm security system except bypassed zones. All interior and external perimeters are armed. Use this mode when leaving your premises.
- Before arming your system to Away mode, all zones should be closed. There should not be any movement in the rooms protected by motion detectors and each door or window protected by reed switches should be properly closed.
- Key-switch input is available on the control panel and can be used to toggle between Arm and Disarm.
- If an illegal code is entered to Arm in Away mode, the system responds by a long error beep.
- The system cannot Arm while in other operation mode. Press **[∗] + [∗]** to exit from other operation mode first.

Options to be Programmed by Installer
- No Force Arm:
  The system will not be allowed to Arm via keypad if an Instant zone is left open but not if it is a delay zone. A long error beep is issued to warn you of such situation. If you want Force Arm function, any zones left opened after arming will be automatically bypassed and are reported as zone bypass. The system will resume monitoring the zone once it is closed again for the duration of that armed period.
- Force Arm Siren Warning:
  The siren will continuously sound or squawk to indicate a Force Arm situation. You should Disarm the panel, check the premises and then Arm again. Continual warnings could mean there is a problem with a detection device and that particular zone may have to be manually bypassed.
- Away Squawk:
  Siren will output two squawks upon arming the system in Away mode and output a single squawk when the system is disarmed.
- No Arm If Battery Low:
  You may not Arm the system if the back-up battery is determined as low and A.C power is not present.
- Exit Beep:
  Keypad beeper will beep continuously for the duration of Exit time.

Please consult your installer to enable the above options.

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Home Arming

Press **[#] + [HOME]**
(If Quick Home option is enabled)

     Or

Press **[User Code] + [8]**
(If Quick Home option is disabled)

☼ The Armed light will blink.
☼ The Line light turns on to indicate system dialler performing CMS reporting.

Information

- Home Arming will only activate external perimeter portion of your alarm security system. Interior protection is not armed, which allows movement within premises without causing alarm. Use this mode when you are in the premises.
- Your installer must program which zones to be active in Home arming mode.
- If an illegal code is entered to Arm in Home mode, the system responds by a long error beep.
- The system cannot Arm in Home mode while in other operation mode. Press **[*] + [*]** to exit from other operation mode.

Options to be Programmed by Installer

- No Force Arm:
  The system will not be allowed to Arm via keypad if an Instant zone is left open but not if it is a delay zone. A long error beep is issued to warn you of such situation. If you want Force Arm function, any zones left opened after arming will be automatically bypassed and are reported as zone bypass. The system will resume monitoring the zone once it is closed again for the duration of that armed period.
- Force Arm Siren Warning:
  The siren will continuously sound or squawk to indicate a Force Arm situation. You should Disarm the panel, check the premises and then Arm again. Continual warnings could mean there is a problem with a detection device and that particular zone may have to be manually bypassed.
- Home Instant:
  All zones will automatically convert into Instant zones if you Arm in Home mode.
- Home Squawk:
  Siren will output two squawks upon arming the system in Home mode and output a single squawk when the system is disarmed.
- No Arm If Battery Low:
  You may not Arm the system if the back-up battery is considered low and A.C power is not present.

Please consult your installer to enable the above options.

System Disarm

Press **[User Code] + [0]**

☼ The Armed light will turn off.
☼ The Line light turns on to indicate system dialler performing CMS reporting.

Information

- Disarming the alarm security system will deactivate all the burglary zones of the system.
- Enter the premises through a programmed delay zone and disarm the system before Entry time is over. If the system is not disarmed by the end of the Entry time, an alarm will occur.
- During disarmed mode, any violated zones will not enable burglary alarm except 24-hour zone. The 24-hour zones are active irrespective whether the system is under armed or disarmed status.
- Disarming the system also resets triggered siren and strobe light.
- Key-switch input is available on the control panel and can be used to toggle the system to Arm and Disarm alternately.
- A previously armed system would not Disarm if an illegal User code is entered. You may have up to 20 tries of continual key entry of the correct 4-digit code in sequence before the keypad goes into a lock-out period of 10 seconds.

Options to be Programmed by Installer

- Entry Beep:
  Keypad beeper will beep continuously for the duration of Entry time.
- Chime:
  A beep tone from keypad to indicate a zone is opened during system Disarm state. This function is temporarily cancelled during Arm state.

Please consult your installer to enable the above option.

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Bypass Zone

1) Press **[#] + [6]**
(If Quick Bypass is enabled)

   Or

Press **[User Code] + [6]**
(If Quick Bypass is disabled)

☼ The Line light will blink to indicate Bypass mode.

2) Press **[Zone Number]**

☼ The respective zone light will turn on to indicate the zone is bypassed.
☼ The respective zone light will turn off to indicate the zone is un-bypassed.

3) Press **[✳]** to exit Bypass mode

☼ The Line light will turn off to indicate exit from Bypass mode.

♪ 3 beeps to indicate exit from Bypass mode.

Information
- Bypass is performed to eliminate burglary zones that are not ready or faulty from activating burglary alarm. Protection to a bypassed zone is temporarily switched off until the next system arming.
- To un-bypass previously bypassed zones, simply Disarm the system to cancel bypass state of all zones or enter bypass mode and press the corresponding bypassed zone number to toggle its bypass state to un-bypass state. After un-bypassing a zone, the bypass indication will be removed from that particular zone.
- No bypass or un-bypass of zones is allowed during system Arm.
- The system cannot enter Bypass mode while in other operation mode. Press **[✳] + [✳]** to exit from other operation mode.

Review Event Memory

1) Press **[#] + [4]**
   (If Quick Review is enabled)

   Or

   Press **[User Code] + [4]**
   (If Quick Review is disabled)

   ☼ The Line light will blink to indicate Review mode.
   ☼ The Armed light will turn on to indicate events within the latest Arm period.
   ☼ The Zone light will turn on to indicate any zone triggered.

2) Press **[4]** to skip to next set of alarm events of previous Arm period.

   ☼ The Line light will blink to indicate Review mode.
   ☼ The Armed light will turn on to indicate events within the previous Arm period.
   ☼ The Zone light will turn on to indicate any zone triggered.
   ☼ You can press [4] repeatedly to view all the events.

   ♪ The panel will emit a long beep, indicating that you've reached end of events.

3) Press **[0]** to clear the event memory.

   Or

   Press **[∗]** to exit Review mode.

   ☼ The Line light will turn off to indicate exit from Review mode.

   ♪ 3 beeps to indicate exit from Review mode.

Information
- In this mode, the keypad can display all faulted zones, AC failure and low battery events occurring up to 500 events.
- Control panel can record up to 500 events memory.
- If the system memory is full (500 events), the next new event will overwrite the earliest event, in a first in-first out basis.
- Event memory will remain in storage until it is cleared by entering digit '0'. Power reset and defaulting of control panel options back to factory setting will not clear the events memory registry.
- You may not enter Review event mode via keypad if the system is in Arm state.
- The system cannot enter Review event memory mode while in other operation mode. Press **[∗]** **+ [∗]** to exit from other operation mode.

Walk-Test

1) Press **[User Code] + [5]**

☼ The Line light will blink to indicate Walk-test mode.

2) Trigger all used zones.

☼ The respective zone light will turn on to indicate the zone is tested.

3) Press **[1]** to activate siren
[2] to activate strobe light
[3] to deactivate siren and/or strobe light

4) Press **[*]** to exit Walk-test mode

☼ The Line light will turn off to indicate exit from Walk-test mode.

Information
- Walk-test allows all zones, siren and strobe to be tested for functionality. Perform Walk-test periodically to ensure the system is in a working condition.
- Ensure all zones are closed and there is no one within the premises before conducting Walk-test.
- Walk-test mode is not allowed during system Arm.

System Test

Press **[User Code] + [3]**

☼ The Line light turns on to indicate system dialler performing CMS reporting.

Information
- System test sends a test report to CMS if enabled to do so.
- Please inform your installer to activate this function if you wish to perform this operation.

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Panic Alarm

Press **[#] + [PANIC]**

Or

Press **[#] + [1]**

☼ The Line light turns on to indicate system dialler performing CMS reporting.
☼ The Line light blinks to indicate system dialler performing Personal reporting.

Duress Alarm

Press **[User Code with Last Digit + 1] + [0]**
☼ The Line, Batt, Mains and Armed lights will blink once.
☼ The Armed light will turn off.
☼ The Line light turns on to indicate system dialler performing CMS reporting.

Remark:
Duress code = Last digit of User code increase by 1
  Eg1. User code = 1234
        Duress code = 1235
        So to perform duress: [1235] + [0]

  Eg2. User code = 9999
        Duress code = 9990
        So to perform duress: [9990] + [0]

Information
● Duress code is used to Disarm the system and transmit an emergency signal to your Central Monitoring Station discreetly to indicate there is a duress situation. This is important if you are being forced to Disarm your system against your will.
● Duress alarm can also be activated during Disarm state.
● Any User code used to activate Duress alarm will be reported to CMS if enabled.
● A previously armed system would not Disarm if an illegal Duress code is entered. You may have up to 20 tries of continual key entry of the correct 4-digit Duress code before the keypad goes into a lock-out period of 10 seconds.

Programming User Codes

1) Press **[User Code] + [7]**

☼ The Line light blinks to indicate Programming mode.

2) Enter 2-digit address location **[   ] [   ]**

☼ The existing code will be displayed by the keypad lights

2-Digit Address Location	User Type	Level
70	Master User / User-1	Priority
72	User-3	Priority
73	User-4	Priority
74	User-5	Priority
75	User-6	Non priority
76	User-7	Non priority
77	User-8	Non priority
78	User-9	Non priority
79	User-10	Non priority

3) Enter a new 4-digit User code **[   ] [   ] [   ] [   ]**

♪ 3 beeps to indicate a new 4-digit code is entered.
☼ You may continue to enter a new address location to program another User code.

4) Press **[＊]** to exit Programming mode

☼ The Line light will turn off to indicate exit from Programming mode

Deleting User Codes

1) Press **[User Code] + [7]**

☼ The Line light blinks to indicate Programming mode.

2) Enter 2-digit address location **[   ] [   ]**

3) Press **[#]**

♪ 3 beeps to indicate code is deleted.

4) Press **[＊]** to exit Programming mode

☼ The Line light will turn off to indicate exit from Programming mode

Information
- User-2 is designated as Installer code. You are not allowed program or change Installer code.
- All zone lights off to represent digit '0' on keypad.

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Programming Telephone Numbers

1) Press **[Master Code] + [7]**

☼ The Line light blinks to indicate Programming mode.

2) Enter 2-digit address location **[   ] [   ]**

☼ The existing telephone number will be displayed by the keypad lights

2-Digit Address Location	Telephone Number	Maximum Digits
91	1st	16
92	2nd	16
93	3rd	16
94	4th	16
95	5th	16
96	6th	16
97	7th	16
98	8th	16

3) Enter a new telephone number **[   ] [   ] [   ] … [   ]**

4) Press **[*]** to store new telephone number

♪ 3 beeps to indicate a new telephone number is entered.
☼ You may continue to enter a new address location to program another telephone number.

5) Press **[*]** to exit Programming mode

☼ The Line light will turn off to indicate exit from Programming mode

Deleting Telephone Numbers

1) Press **[Master Code] + [7]**

☼ The Line light blinks to indicate Programming mode.

2) Enter 2-digit address location **[   ] [   ]**

3) Press **[#]**

♪ 3 beeps to indicate the telephone number is deleted.

4) Press **[*]** to exit Programming mode

☼ The Line light will turn off to indicate exit from Programming mode

Information
- It is recommended that all telephone locations must be programmed.
- To program 6 telephone numbers, please also change the option in Group Personal Dial Attempt (address location 62) from "4" to "6", so that the 5th and 6th number will be dialed by system.

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Programming Timers

1) Press **[Master Code] + [7]**

☼ The Line light blinks to indicate Programming mode.

2) Enter 2-digit address location **[ ] [ ]**

☼ The existing time will be displayed by the keypad lights

2-Digit Address Location	Timer	Value	Default Value	Units
53	Entry time	000 - 255	045	second
54	Exit time	000 - 255	090	second
56	System time (hour)	000 - 023	000	hour
57	System time (minute)	000 - 059	000	minute
59	Auto daily test (hour)	000 - 023	003	hour
60	Auto daily test (minute)	000 - 059	000	minute

3) Enter a new 3-digit value **[ ] [ ] [ ]**

♪ 3 beeps to indicate a new 3-digit time value is entered.
☼ You may continue to enter a new address location to program another Timer.

4) Press **[*]** to exit Programming mode

☼ The Line light will turn off to indicate exit from Programming mode

Information
- All timer values must be programmed in a 3-digit format.
  Eg. Wanted Entry Time = 60 seconds, Program value = '060'
- Program all Timers within the allowed time range only. The functions will not operate if an invalid time is programmed. Refer to the above table.
- Auto daily test function can only be enabled by your installer.
- Program Hour and Minute value in 24-Hour format.
- System time (address locations '56' and '57') is programmed upon the first powering up of your system. Program the current time in hour and minutes to address locations '56' and '57' respectively.

Example
- Program System time as 2.30 p.m. (24-Hour format)
  At address location '56', enter Hour value '014' and at address location '57', enter Minute value '030'
- Program Auto daily test time as 9.58 a.m. (24-Hour format)
  At address location '59', enter Hour value '009' and at address location '60', enter Minute value '058'

Restricting Installer Code

1) Press **[Master Code] + [7]**

☼ The Line light blinks to indicate Programming mode.

2) Enter 2-digit address location **[6] [8]**

☼ The existing value will be displayed by the keypad lights

3) Enter a 3-digit value **[0] [1] [3]**

♪ 3 beeps to indicate a 3-digit Installer restrict value is entered.

4) Press **[＊]** to exit Programming mode

☼ The Line light will turn off to indicate exit from Programming mode

Information
- To re-enable Installer code use, enter value '014'.
- This is a safety measure whereby no other codes are allowed to program your system other than the users of this security alarm system.

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Call-In Beeping Tone Menu

1) Dial the telephone number connected to this system

☼ The Line light on keypad turns on to indicate a Call-in activity

♪ 2 beeps to indicate system received the call and awaiting User code entry.

2) Enter **[User Code]**

♪♪♪♪ Ascending tone to indicate entered main menu.

3) Press any of the below keys to perform desired function.

Key	Menu	Function	Tone Indication
1	Away Arm	Arm system in Away mode.	2 beeps
2	Home Arm	Arm system in Home mode.	2 beeps
3	Disarm/Off	Disarm system and cancel alarm.	1 beep
#	System status	Announce system status.	2 beeps indicate Arm. 1 beep indicates Disarm.
4	Bypass	Bypass zone. Enter the zone number you wish to bypass or un-bypass. Press [∗] to exit this mode.	2 beeps indicate bypass zone. 1 beep indicates un-bypass zone. Ascending tones indicates return to Main menu.
6	Panic	Switch On Siren and Strobe light only.	High and Low beeps indicate Panic. Ascending tones indicates return to Main menu.
7	Check Emergency	Announce emergency status type	2 beeps for Panic 4 beeps for AC fail 5 beeps for Battery low
∗	Hang up	End Call-in function and hang up.	Long beep

Information

- Functions for keys '4' to '7' can only be enabled by your installer.
- The system answers a call from caller when it detects telephone line ringing and the number of rings reaches the number programmed in the system by your installer.
- The caller will be prompted for his/her User code to access main menu. After performing your desired function, press **[∗]** to hang-up.
- Access to the main menu will be limited to priority Users only. User-6 to User-10 (non priority users) codes will be denied access and prompted as illegal code.
- The system will hang up the call when attempts to enter the correct User code exceeds 8 times. Each incorrect entry of user code will cause an error tone indicating incorrect code entry.
- If the system does not receive any command key entry in the Main menu for periods longer than 10 seconds, it will hang up immediately.
- It is recommended to check system status first before proceeding to perform other function so to have a clearer understanding of the system's current Arm or Disarm state.
- You may not enter Bypass mode if your system is armed. Disarm first and then enter Bypass mode.
- The Call-in function can be de-activated. Inform your installer to disable this function.

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Call-Out Beeping Tone Menu

1) User pick up call

♪♪ High and low tones to indicate Panic / AC power not present

♪ Number of beeps indicate corresponding triggered zone
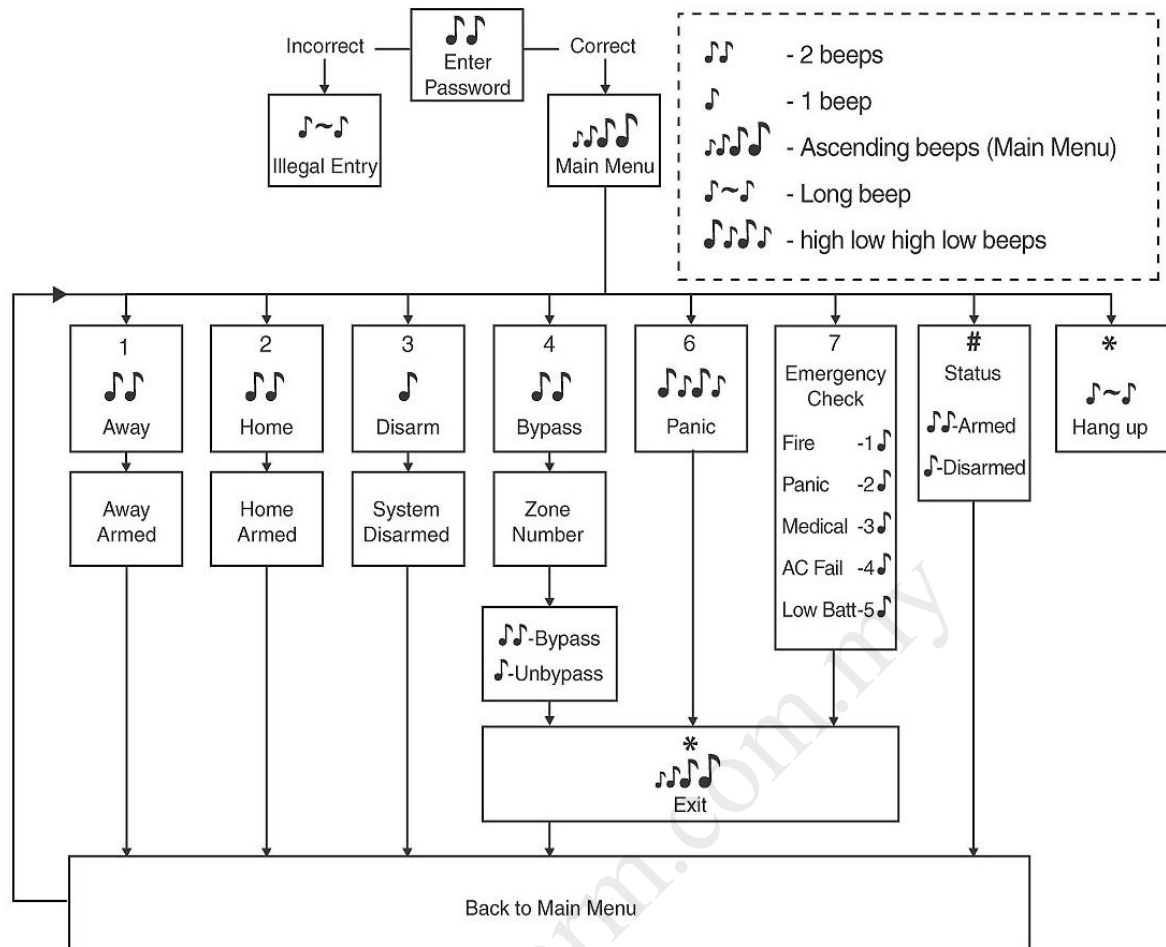
2) Press **[＊]** to enter Main menu

3) Press any of the below keys to perform desired function.

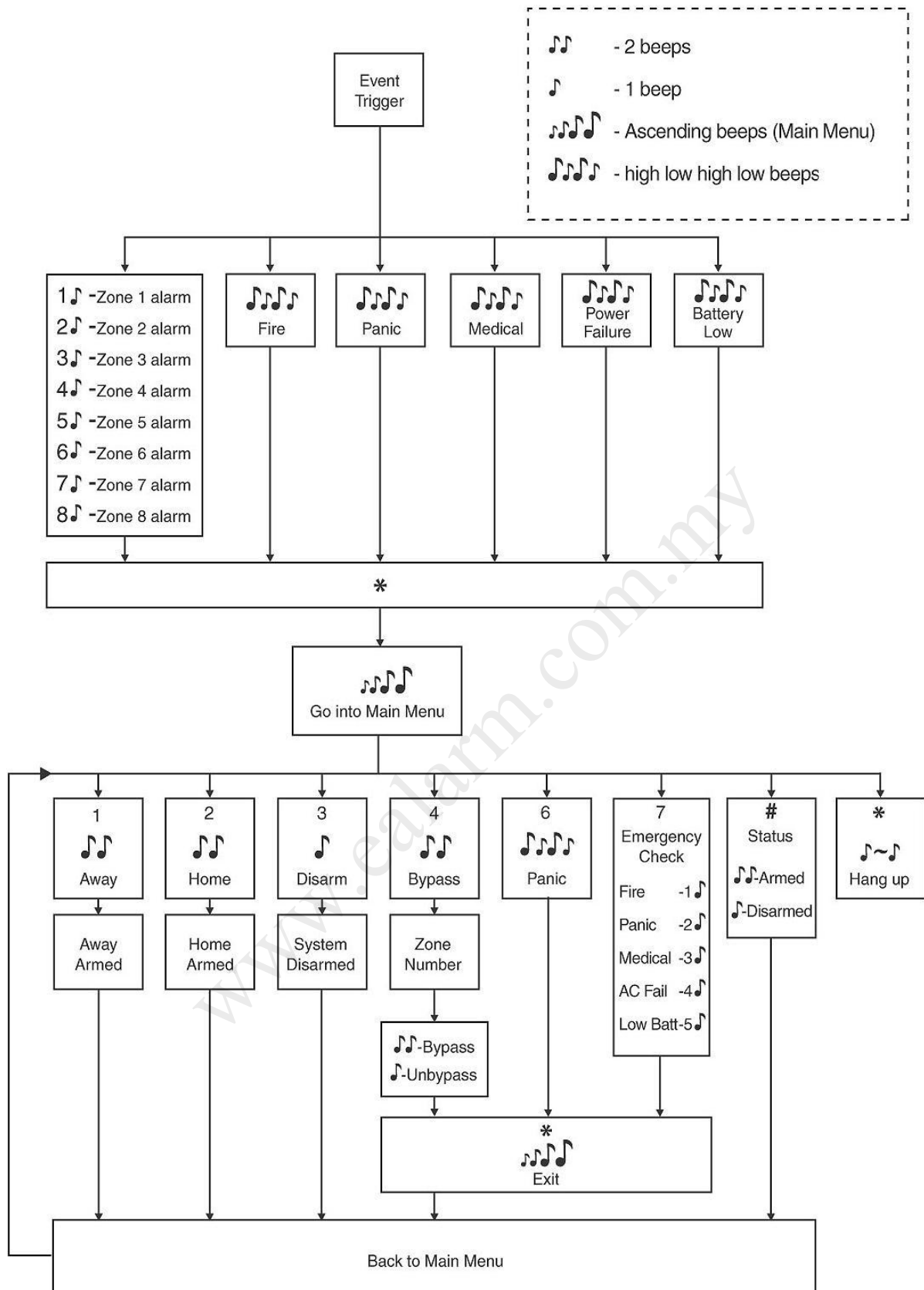| Key	Menu	Function	Tone Indication
1	Away Arm	Arm system in Away mode	2 beeps
2	Home Arm	Arm system in Home mode	2 beeps
3	Disarm/Off	Disarm system and cancel alarm	1 beep
#	System status	Announce system status	2 beeps indicate Arm. 1 beep indicates Disarm.
4	Bypass	Bypass zone. Enter the zone number you wish to bypass or un-bypass. Press **[＊]** to exit this mode.	2 beeps indicate bypass zone. 1 beep indicates un-bypass zone. Ascending tones indicates return to Main menu.
6	Panic	Switch On Siren and Strobe light only	High and Low beeps indicate Panic. Ascending tones indicates return to Main menu.
7	Check Emergency	Announce emergency status type	2 beeps for Panic 4 beeps for AC fail 5 beeps for Battery low
＊	Hang up	End Call-out function and hang up	Long beep

Information
- Call-Out function refers to Personal reporting format as part of the features available in your alarm security system. Please check with your installer if this feature is enabled.
- Functions for keys '4' to '7' must be enabled by your installer.
- If User picks up a call and enters Main menu, the system will not call the next in line telephone number. The system will only call the next number when user immediately ends the call after listening to system Arm/Disarm status or alarm event in beeping tones.
- If the call to the first programmed telephone number has not been picked up, the system will cancel the call and dial the next telephone number in line.
- The system will not perform Call-out function once the maximum number of group dial attempts programmed in the system is reached and no User/receiving party have picked up the calls.
- If the system does not receive any command key entry in the Main menu for periods longer than 10 seconds, it will hang up immediately.
- You may only bypass zones if your system is in Disarm state.

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Call-In Block Diagram

Call-Out Block Diagram

Quick Operation Reference

Away Arm	[User Code] [9]
Home Arm	[User Code] [8]
Quick Away Arm	[#] [AWAY]
Quick Home Arm	[#] [HOME]
Disarm	[User Code] [0]
Bypass	[User Code] [6] [Zone Number] [∗]
Quick Bypass	[#] [6] [Zone Number] [∗]
Review	[User Code] [4]
Quick Review	[#] [4]
Walk-test	[User Code] [5]
System Test	[User Code] [3]
Panic alarm	[#] [PANIC]
Duress alarm	[User Code with Last Digit + 1] [0]
Programming mode	[Master Code] [7] [Address] [Value] [∗]
Change Master Code	[Master Code] [7] [70] [New Code] [∗]
Program telephone number 1	[Master Code] [7] [91] [New Number] [∗] [∗]
Program telephone number 2	[Master Code] [7] [92] [New Number] [∗] [∗]
Program Entry time	[Master Code] [7] [53] [New Time] [∗]
Program Exit time	[Master Code] [7] [54] [New Time] [∗]

Disclaimer

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