CONTENTS

Thank you for purchasing the Infinite Wireless Alarm System, the following is intended to assist you in the installation of the system. **Please read these guidelines before installation.**

Note: *In some States of Australia special licensing may be required in order to install Security Alarms and Associated Equipment. Please check with your local State Authority for details before commencing installation work.*

IMPORTANT:
This section is a brief outline of the installation and programming. For additional information refer to the Infinite Installer Manual.

Factory Defaults:

Master Code: 1234
Installer Code: 2580

Zone 1: Entry/Exit
Zone Two: Normal (Instant)

Entry Delay: 30 Seconds
Exit Delay: 60 Seconds

Home Arming (Partial Arming): Zone 1 Disarmed
Zone 2 Armed

All transmitters which are supplied with the system have been registered to the control panel at the factory. You only need to reprogram the Zone settings if the above are not appropriate.

The infinite panel supplied in the standard kit is a local panel only (siren sounder). The optional PSTN module is required to connect the panel to the phone line.

The Main Board

The Main Board is the brain of the system and connects to various peripheral modules using a number of interface connectors. Additionally, the Main Board includes a programmable output, a hardwire zone input, an external microphone/speaker connection and a standard 9-pin serial port for PC programming.

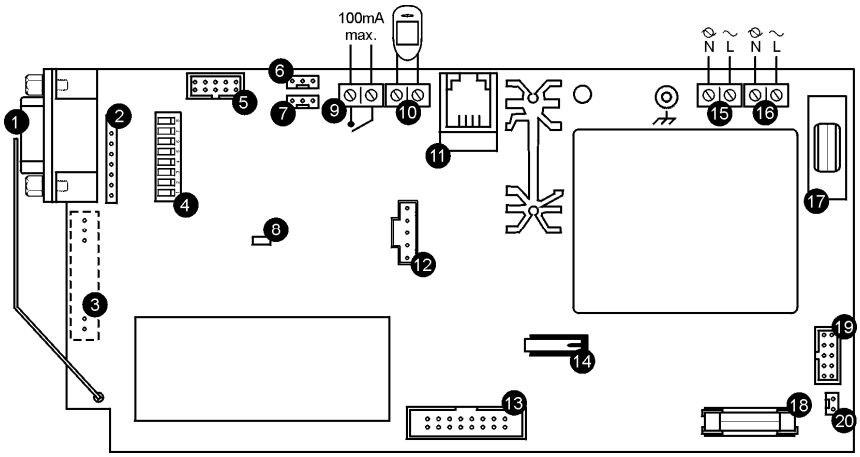

Figure 1.3: Main Board

1. 9-pin port for connection to PC
2. Header for plug-in Serial Interface board
3. Connector for on-board transmitter
4. DIP-switch for flash programming
5. Flat-cable interface connector to PSTN module
6. Interface connector to Home Automation module
7. Programming keypad connector
8. Status LED
9. Programmable relay output (100mA max. load)
10. Hardwire zone
11. External microphone and speaker connector
12. Flash programming connector for main board
13. Flat-cable interface connector to LCD keypad, internal speaker, internal microphone and internal siren
14. Front tamper switch

15. AC power terminal block
16. Home Automation module terminal block
17. AC power protection fuse
18. Backup battery protection fuse
19. Flat-cable interface connector to GSM module
20. Backup battery connector

PSTN Module (Optional)

The PSTN module provides the system with a standard dialler for central station communications/personal dialling via the Public Switched Telephone Network (PSTN).

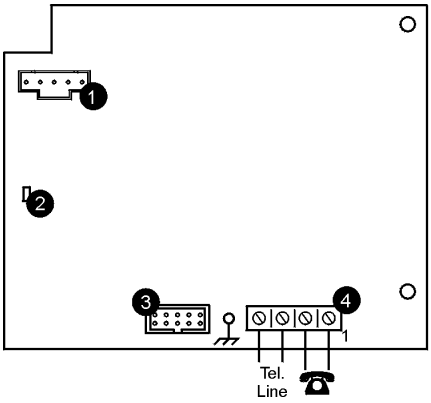

Figure 1.4: PSTN Module

1. Flash programming connector
2. Status LED
3. Flat-cable interface connector to Main Board
4. Telephone line terminal block (Terminals 1 & 2: Outgoing line to telephone, Terminals 3 & 4: Incoming line from telephone company)

If you install the PSTN module you will need to perform ‘Find Modules’. Please refer to page 14 for further information.

Installation

Planning the Installation

When planning the installation, consider the following guidelines:

- Whenever possible, mount the panel centrally in relation to wireless sensors.
- Avoid installation in close proximity to sources of high noise or radio frequency interference. For example, metal air conditioner/heater ducts and circuit breaker boxes.
- Minimize the distance between the panel and transmitters.
- Minimize the number of obstacles between the panel and transmitters.

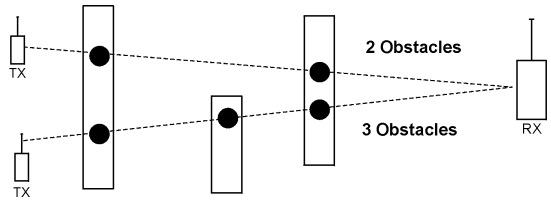

Figure 2.1: Minimizing Obstacles

- Metal based construction materials, such as steel reinforced concrete walls, reduce the range of radio transmissions.

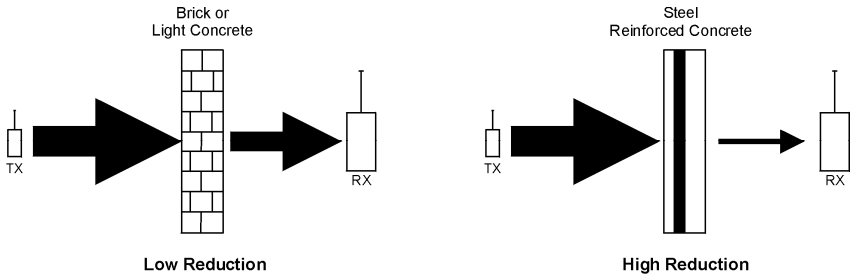

Figure 2.2: Considering Construction Materials

Mounting Devices

All transmitters which are supplied in the kit have been registered to the control panel at the factory; there is no need to 'register' the devices to the control panel.
After choosing suitable locations for the transmitters as per 'Planning the Installation' on Page 3, the transmitters should be installed, before the control panel is powered up.
For further information please refer to the Infinite Installation Manual Appendix B 'Transmitter Installation'

Opening the Housing

To open the housing:

1. Remove the housing screw located at the bottom of the front cover.
2. Using a screwdriver carefully press the release tabs as shown in Figure 2.4.
3. Lift the front cover away from the back of the housing. You will notice that the front cover is attached to the back with two fastening bands and the keypad's flat cable.

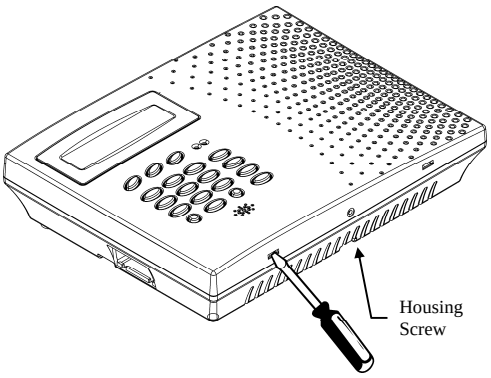

Figure 2.4: Opening the Housing

Mounting the Control Panel

As with the location of the all the transmitters, the control panel should be located according to the guidelines on page 3: Planning the Installation, you are ready to mount the control panel.

To mount the control panel:

1. Open the housing as explained on page 6.
2. Disconnect the flat cable connecting the main panel to the keypad.
3. Detach the front and back covers by unfastening the bands that connect them.
4. Remove the backup battery pack. If you want to install the control panel with back tamper, it is also necessary to remove the main board.

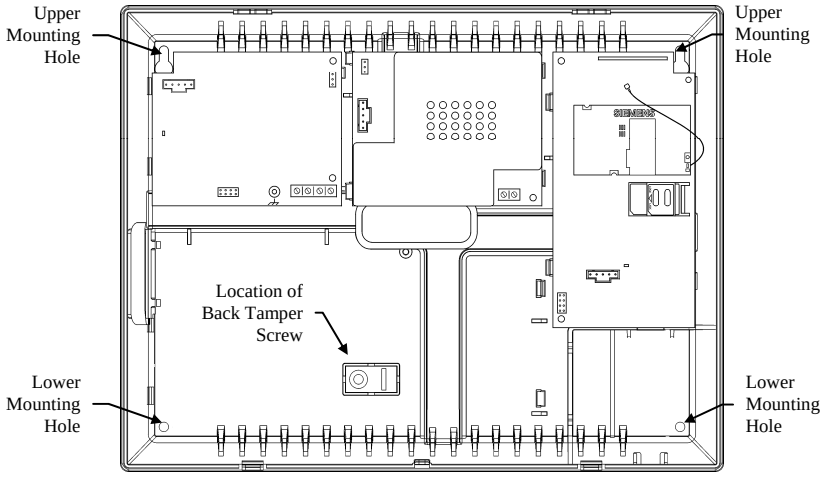

Figure 2.5: Back Cover (Main Board and Battery Pack removed)

5. Place the control panel in position against the wall and mark the upper and lower mounting holes. If using the back tamper, also mark the hole for the back tamper screw.
6. Install wall anchors in the appropriate positions.
7. Thread any required cables through the wiring hole on the back cover (e.g. AC power and telephone line) and make any necessary wiring connections.
8. Mount the control panel to the wall using four screws.

9. Replace the Main Board and reconnect its peripheral modules.
10. Connect the flat cable and fastening bands to the front cover.
11. Apply AC power.

    Always connect AC power before connecting the battery pack.
12. Connect the battery pack to the connector on the Main Board.
13. Position the front cover's top holding hooks onto the back cover and snap the front cover closed.

Back Tamper

The back tamper switch is an optional feature that provides an extra safeguard in the event that the control panel is removed from the wall.

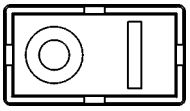

Figure 2.6: Perforated Back Tamper Release

The back tamper switch is located on the rear side of the control panel's Main Board and is constantly depressed by the section of the back cover shown in Figure 2.6.

For this feature to operate, you must insert a screw into the back tamper mounting hole – see *'Mounting the control panel'* on page 7. When the control panel is removed from the wall, the screw causes the perforated section of the plastic to break and remain attached to the wall. As a result, the back tamper switch is released and an alarm is generated.

The system is now operational.

We recommend you perform a walk test to test the operation of the transmitters. The Walk Test function can be found on Page 13.

System Status LEDs

The two LEDs, Armed and Power, provide essential information on the status of the system.

If the Armed LED is…	It means…
Off	The system is disarmed.
On	The system is armed.
Flashing	An alarm has occurred. Alarm indication is cleared the next time that an arming sequence is initiated or after the relevant event has been viewed in the event log.

Table 3.1: Armed LED Indication

Alarm indication is not displayed after a silent panic alarm.

If the Power LED is…	It means…
Off	Both AC and Battery power are disconnected.
On	System Power is OK.
Flashing (slow)	Backup battery low.
Flashing (fast)	AC loss.

Table 3.2: Power LED Indication

Operation

Arming/Disarming

The following section explains how to arm and disarm the control panel using the LCD keypad.

The *infinite* offers three arming modes that you can define to suit the application. Figure 3.3 illustrates the three arming modes. In each diagram, the protected area is shaded.

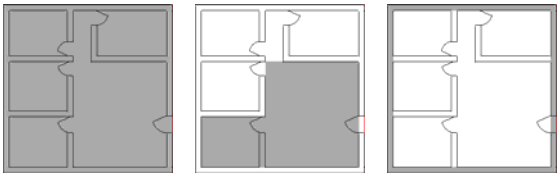

Figure 3.3: Arming Modes

The arming options are entirely flexible. You can program each sensor to be included in any combination of the three arming modes – *see Infinite Installation Manual, page 37 'Arm Set'*. Additionally, each arming mode has a separate exit and entry delay.

The arming functions are only available while the system is in Standby mode.

Arming Keys

The Arming keys enable you to arm the system using any of the three arming methods: Full, Part and Perimeter.

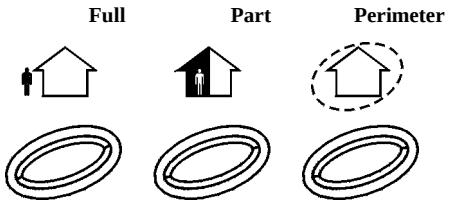

Figure 3.4: Arming Keys

Full Arming

Full arming is designed for when the occupant vacates the premises.

To fully arm the system:

1. Check if the system is ready to arm.
2. Press the Full arming key on the keypad.
3. If One-Key Arming is disabled, enter your user code.

Part Arming

Part arming is designed for when the occupant intends to remain inside one part of the premises and secure another part.

To partially arm the system:

1. Check if the system is ready to arm.
2. Press the Part arming key on the keypad.
3. If One-Key Arming is disabled, enter your user code.

Perimeter Arming

Perimeter arming is designed for when the occupant intends to remain inside the premises and secure the perimeter.

To arm the system's perimeter:

1. Check if the system is ready to arm.
2. Press the Perimeter arming key on the keypad.
3. If One-Key Arming is disabled, enter your user code.

Forced Arming

Forced arming enables you to arm the system when the system is not ready. For example, if a door protected by a magnetic contact is open, you may arm the system on condition that the door will be closed by the end of the Exit delay. If the door is still open after the exit delay expires, an alarm is generated.

Disarming

When a sensor is tripped, the entry delay counts down; each arming method has its own entry delay.

To disarm the system:

- Enter a valid user code.

Programming

Programming Mode

Depending on the level of access for your code, there are two sections of the programming mode. One is used for the installer to programming settings for the system while the second mode is for the end user.

To enter the service mode menu:

1. Press ✓
2. Enter your code.

Menu Navigation

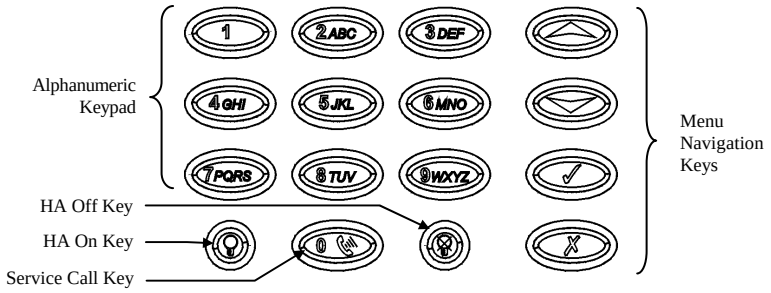

Figure 4.1: On-board Keypad Layout

The LCD keypad's friendly, menu-driven interface is designed to facilitate operation and provide a gentler learning curve for first-time users. You can navigate through the menus using the arrow navigation keys (▲/▼) and make simple yes/no decisions using the ✓ and ✗ keys.

For example, perform the following procedure to navigate to Service, Speaker Test.

1. Press ✓ to enter Menu mode.
2. Enter an authorized user code (2580); the first menu item, ***1. Stop Comm.***, is displayed.
3. Press ▼ until ***7. Service*** is displayed.
4. Press ✓ to enter the Service menu.
5. Press ▼ until ***4. Speaker Test*** is displayed.
6. Press ✓ to choose the displayed function.

A shortcut to a specific menu item can be accessed from the menu mode. A shortcut is shown as following [7011]. These appear in the some procedures as an additional aid to menu navigation.

Walk Test

To initiate Walk Test mode:

1. From the Service menu, select Walk Test [705]; a list of registered sensors appears.
2. Trigger each sensor; when the system receives a successful transmission from a sensor, the sensor is removed from the list.
3. When all the sensors are removed from the list, ***End Walk Test*** is displayed.
4. Press ✗ to exit Walk Test mode.

Setting the Time & Date

The time and date are used to time stamp events in the event log. Additionally the time is also displayed on the LCD display.

To set the time:

1. From the Service menu, select Set Time/Date, Set Time [7011].
2. Enter the current time.
3. Press ✓; the time is modified.

To set the date:

1. From the Service menu, select Set Time/Date, Set Date [7012].
2. Enter the current date.
3. Press ✓; the date is modified.

Registering Additional Devices

To register additional transmitters, please refer to Chapter 7 ‘Devices’ in the Infinite Installation Manual.

Dialler Section

To enable the dialler to function, the PSTN module must be connected to the control panel. Once this module is connected the 'Find Modules' function must be performed.

Find Modules

There are three optional modules that you can connect to the system bus. These are the PSTN module, the GSM module and the Home Automation module. The Find Modules function runs a diagnostic test that identifies the modules that are connected to the system bus. With this information, the system knows which add-on modules should be present, enabling supervision for those modules.

To run the Find Modules test:

1. From the Programming menu, select Initialize, find Modules [975]; the system prompts you for confirmation.
2. Press ✓to confirm; the system begins to search for the connected modules. At the end of the search, the modules that are present are displayed and the system asks if you want to save the displayed list.
3. Press ✓; the list is saved.

If a connected module is not included in the list, check the wiring connections and run this test again.

Accounts

The control panel supports three customer accounts. Each account has its own telephone number and communications options. An explanation of each of these options is included in this section.

Telephone Number

To edit an account's telephone number:

1. From the Programming menu, select Communications, Accounts [951].
2. Select an account.
3. From the account's sub-menu, select Telephone # [#1].
4. Enter up to 16 digits.
5. Press ✓when you have finished editing.