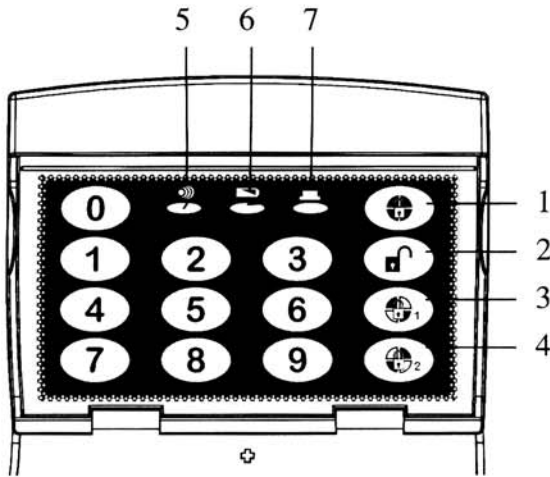# Wireless Access Keypad

Installation and Operating Instructions

These instructions should be read in conjunction with your System Installation and Operating Manual and be retained for future reference.

Introduction

This Wireless Keypad is suitable for use with a series of Everspring Wireless Intruder Alarm systems.

Sequence	Key	Meaning of Key
1	(Arm icon)	Arm
2	(Disarm icon)	Disarm
3	(Part-Arm 1 icon)	Part-Arm 1
4	(Part-Arm 2 icon)	Part-Arm 2
5	•)))	In transmission
6	▭	Low Battery
7	▬	Key-pressed Confirmation

The Wireless Keypad is used to control the system by using a four digit User Access Code. The Keypad incorporates a Panic and anti-tamper protection features that will immediately initiate a Full Alarm condition when activated. Any attempt to open the casing of the Keypad will immediately initiate a Full

Alarm condition even if the system is disarmed, (unless the system is in Service, Test or Programming modes). In addition if a sequence of more than 16 incorrect key presses is entered the Keypad will be disabled for the next 1 minute. During this 1 minute duration, the •)) LED will keep flashing slowly. Consecutive disabled for 3 times, the Keypad will emit tamper signal to the control panel.

The Keypad's User Access Code is independent from any access codes used with Control Panel.

The Keypad is powered by a 9V PP3 Alkaline battery. Under normal operating conditions this will provide an expected life in excess of 1 year. When the battery level falls below an acceptable level, the "LOW BATTERY" indicator on the front of the Keypad will flash. When this occurs the batteries should be replaced as soon as possible.

Positioning the Keypad

The Keypad is suitable for mounting outdoor, as it is fully weatherproof. The Keypad should be mounted in a position close to the main entrance door so that the user access code can be entered easily.

Ensure that the position selected for the Keypad is within effective range of the control panel.

Note: DO NOT fix the Keypad to metalwork or locate the unit within 1m of metalwork (i.e. radiators, water pipes, etc) as this could affect the radio range of the Keypad.

Installing and Configuring the Keypad

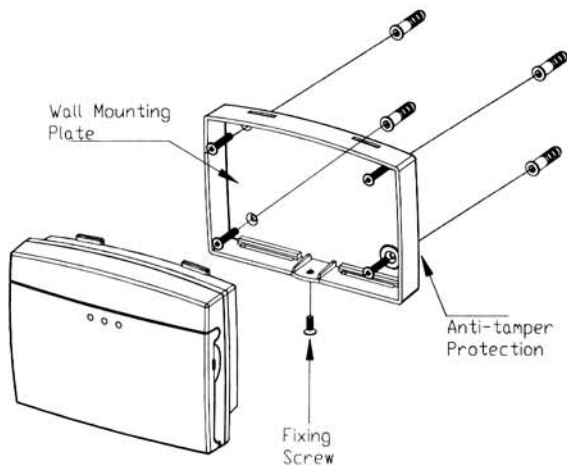Ensure that the Control Panel is in Test or Programming Mode, (or that the Siren is in Service mode).

Fig. 1

1. Undo and remove the fixing screw from the bottom edge of the Keypad and remove the wall mounting plate. (Fig. 1)
2. Using the mounting plate as a template, mark the positions of the four fixing holes on the wall.
   Note: To make the best use of anti-tamper protection, it is a must to insert wall plug and screw in the specified hole as illustrated.
3. Fix the mounting plate to the wall using the screws and wall plugs provided, (a 5mm hole will be required for the wall plugs). Do not over-tighten the fixing screws as this may distort or damage the mounting plate.
   Note: Installing the Keypad in a flat and smooth wall is of great importance so as to avoid tamper switch being false triggered.
   Note: The wall plugs supplied with the product are not suitable for plasterboard walls, if mounting Keypad on to plasterboard use appropriate wall plugs.
4. Undo and remove the two fixing screws in the rear of the Keypad and remove the rear cover. (Fig. 2)
5. There are two jumper links located above the battery compartment. (Fig. 2)
   J2 jumper link: Reset to Factory default
   J3 jumper link: System type selection
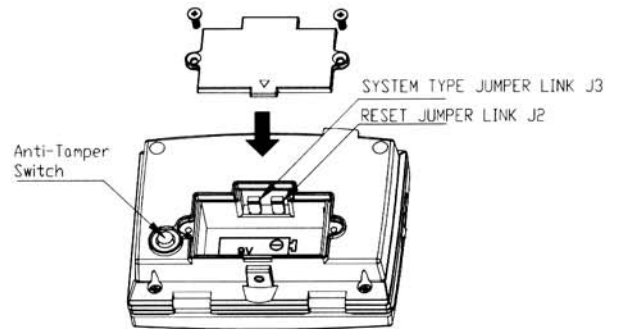
Fig. 2

If used with HA51, HA804, HA65U alarm system, the jumper link J3 must be set as shown on Fig. 3a; or if the Keypad is to be used with H302W & H302Y alarm system, the jumper link J3 must be set as shown on Fig. 3b.
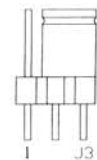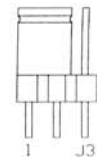
Fig. 3a   Fig. 3b

To verify the compatibility between jumper link J3 and system type of the control panel, follow the below step for testing.

Press and together for more than 2 seconds. The Keypad will emit Panic signal to the Control panel. If the Control panel does not react properly, adjust the jumper link J3 accordingly.

6. Connect the PP3 Alkaline battery to the battery clip.
7. Replace the rear cover and refit fixing screws. Do not over-tighten the fixing screws.
8. Refit the Keypad by slanting 45° onto the wall mounting plate. Do not over-tighten the fixing screw. (Fig. 3)
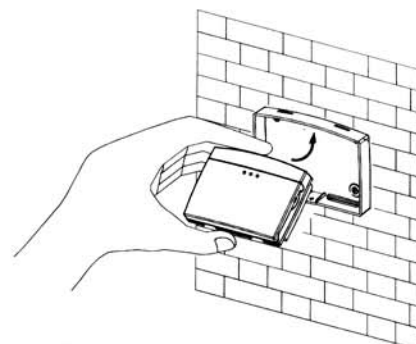

Fig. 3

Note: The Keypad is supplied with a default User Access Code of: 1234. For security reasons, it is recommended that this code is changed to another four digit number which only you and other users of the system know.

Note: Use thumb and middle finger to hinge off the Keypad cover. (Fig. 4) The Keypad has back light illumination facility. It will illuminate for 5 seconds when opening the Keypad cover or pressing any key.
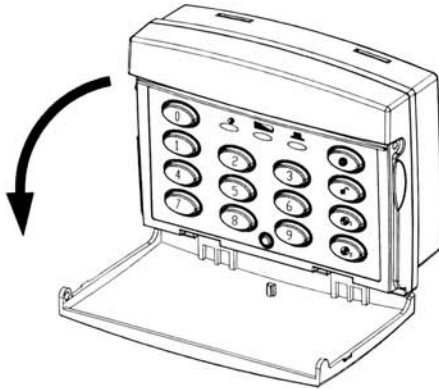

Fig. 4

Testing the Keypad

Ensure that the Control Panel is in Test or Programming Mode.

1. Press (?) (?) (?) (?) , (⊕)
   User Access code
   to arm the system.

2. Press and hold (⊕₁) and (⊕₂) buttons
   together, after approximately 2 seconds, an alarm will be initiated.

3. Press (?) (?) (?) (?) , (🔓)
   User Access code
   to disarm the system.

Operating the Keypad

Arm:

Press (?) (?) (?) (?) , (⊕)
   User Access code

Part-Arm:

Press (?) (?) (?) (?) , (⊕₁)
   User Access code
for Part-Arm 1

Press (?) (?) (?) (?) , (⊕₂)
   User Access code
for Part-Arm 2

Disarm:

Press (?) (?) (?) (?) , (🔓)
   User Access code

Panic:

Default setting: On

Press and hold (⊕₁) and (⊕₂) together for more than 2 seconds with ▬ LED flashing rapidly.

To enable or disable the panic function, follow the below steps in sequence:

Enabling the Panic:

1. Press (⊕₂)

2. Enter (?) (?) (?) (?)
   Current User Access code

3. Press (⊕₂), the ▬ LED will illuminate once and flash twice

4. Press (1)

5. Press (⊕₂), the ▬ LED will illuminate once and flash three times to confirm the setting has been accepted.

Disabling the Panic

1. Press ⊕₂

2. Enter ❓ ❓ ❓ ❓

   Current User Access code

3. Press ⊕₂, the ▬ LED will illuminate once

   and flash twice.

4. Press ⓪

5. Press ⊕₂, the ▬ LED will illuminate once

   and flash three times to confirm the setting has

   been accepted.

Solar Siren Operating Mode (Control Panel Type):

System on

To switch the control panel into Operating Mode:

Press ❓ ❓ ❓ ❓, ⊕ (hold) for

approx 10 seconds until the siren emits a single long

beep and long flash.

System Off

Press ❓ ❓ ❓ ❓, 🔓 (hold) for

approx 10 seconds until the siren emits a short beep

and flash, followed by one long flash and beep after 6

seconds.

The Disarm key should be released after the long

beep.

Inputting the House Code

In order to prevent any unauthorized attempt to operate or disarm your system, you must configure your system to accept radio signals only from your own system devices. This is done by setting a series of eight miniature (DIP) switches in all devices to the same ON/OFF combination (The House Code) selected by the user/installer. The Keypad is designed to be affixed outdoor. For security reasons, it does not

include a DIP switch, but house code setting is essential.

To input the house code, press the following keys in sequence:

1. Press ⊕

2. Enter ❓ ❓ ❓ ❓

   User Access code

3. Press ⊕, the ▬ LED will illuminate once

   and flash twice.

4. Enter ❓ ❓ ❓ ❓

   House code set on the control panel

5. Press ⊕, the ▬ LED will illuminate once

   and flash three times to confirm the setting has

   been accepted.

For example: if the house code set on the control panel read as : 12578. It means the Dip Switch number 1, 2, 5, 7, 8 are set in "ON" position, while 3, 4, 6 are set in "OFF" position. Apply the Dip Switch set in "ON" positions for house code inputting.

Resetting to Factory Default

If unfortunately you forget the User Access code, you can reset the User Access code to factory default by proceeding the following steps in sequence:

1. Remove the battery.
2. Press and hold any key for more than 1 second.
3. Set the Jumper link J2 as shown on Fig. 5a.

Fig. 5a   Fig. 5b

4. Refit the battery and test it by pressing the default User Access code of 1 2 3 4.
5. If the testing is ok, set the jumper link J2 as shown on Fig. 5b, which is what the Keypad set normally.

Changing the User Access Code

Default Code: 1 2 3 4

When using the Keypad the keys must be pressed firmly and within five seconds of each other. If you make a mistake, wait five seconds and recommence programming from the beginning of the sequence. To change the User Access Code, press the following keys in sequence:

1. Press (🔑₁)

2. Enter (?) (?) (?) (?)

   Current User Access code

3. Press (🔑₁), the ▬ LED will illuminate once

   and flash twice.

4. Enter (?) (?) (?) (?)

   New User Access code

5. Press (🔑₁), the ▬ LED will illuminate once

   and flash three times to confirm the setting has been accepted. If the light does not flash, wait five seconds and re-enter the programming sequence from the beginning.

Disabling the Keypad

A sequence of more than 16 incorrect key presses is entered the Keypad will be disabled for the next 1 minute. Consecutively disabled for 3 times, the Keypad will emit Tamper signal to the control panel with •)) LED flashing slowly.

Note: When the Keypad is disabled for 1 minute, the •)) LED will flash slowly, indicating that the Keypad shut down temporarily. During this 1 minute, any pressing to the Keypad will be treated as invalid pressing. After the elapse of 1 minute, effective inputting will be accepted.

Replacing the Batteries

The "LOW BATTERY" indicator on the front of the Keypad will not flash until the Keypad emits RF radio signal. In short, the "LOW BATTERY" indication won't be seen in normal circumstance. The batteries should be replaced as soon as possible as follows:

1. By pressing the User Access code twice, two LEDs (•)) & ▬) will keep flashing for 20 seconds. During this 20 seconds duration, no radio signal will emit and any inputting will not be accepted. In this way, the Keypad won't emit radio signal when replacing the battery.
2. Undo fixing screw at bottom of Keypad and remove from wall mounting plate.
3. Undo two fixing screws in the rear cover and remove cover.
4. Replace battery with a new 9V PP3 Alkaline battery.
5. Replace and fix the rear cover and then refit and secure the Keypad onto the wall plate.

Anti-tamper protection

The Keypad incorporates anti-tamper protection features against unauthorized attempts to remove the Keypad from the wall. If it has been removed from the wall, a full alarm condition will be initiated.

Troubleshooting

Status	Possible Cause	Remedy
No function	1. Battery too weak	Replace a new battery
	2. Range too long	Get the Control Panel closer to the Keypad
	3. Wrong coding	Check if both HOUSE CODES are exactly the same
▬ LED flash	Battery too weak	Replace a new battery

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