

WIRELESS KEYPAD SA801

Installation and Operating Instructions

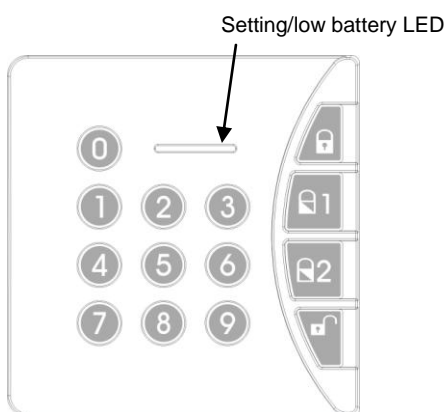
FCC ID: FU5SA801

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, operating at 868MHz and 923MHz only.





The Wireless Keypad is used to control the system by using a four digit Administrator password. 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 incorrect key is pressed once, the LED of back light will flash. If a sequence of incorrect key is pressed three times the Keypad will be locked out for the next 30 seconds. Subsequent lockout for three times, the Keypad will emit tamper signal to the Control Panel.






3		Part-arm 2
4		Disarm

The Keypad is powered by 3 x AA 1.5V alkaline battery. Under normal operating conditions this will provide an expected life in excess of 1 year. When the battery level falls below an unacceptable level, the "Setting/Low Battery" LED on the front of the Keypad will flash 4 times when pressing the first key. Subsequent key cannot be pressed until initial 4 flashings are completed. When this occurs the batteries should be replaced as soon as possible.

LED Indication

Keypad Status	Indication
 Arm	Success: back light 0~9 extinguish
	Failure: back light 0~9 flashing 3 times
 Disarm	Success: back light 0~9 extinguish
	Failure: back light 0~9 flashing 3 times
 Part-arm 1	Success: back light 0~9 extinguish
	Failure: back light 0~9 flashing 3 times
 Part-arm 2	Success: back light 0~9 extinguish
	Failure: back light 0~9 flashing 3 times
Pressing any key or function key	back light 0~9 will be on

Sequence	Function Key	Meaning of Key
1		Arm
2		Part-arm 1

 <p>Panic</p>	<p>Success : back light 0~9 extinguish</p> <p>Failure : back light 0~9 flashing 3 times</p>
<p>ID Code learn mode</p>	<p>Success : back light 0~9 extinguish and the LED of 4 function keys illuminate once simultaneously</p> <p>Failure : back light 0~9 flashing 3 times</p>
<p>Alarm Memory</p>	<p>Success: the LED of 4 function keys flash once simultaneously</p> <p>Failure: back light 0~9 extinguish</p>

Positioning the Keypad

The Keypad should be mounted in a position close to the main entrance door so that the Administrator password can be entered easily.

Ensure that the position selected for the Keypad is within the 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 the Keypad

1. Undo and remove the fixing screw from the bottom edge of the Keypad and remove the wall mounting plate. (Fig. 1)

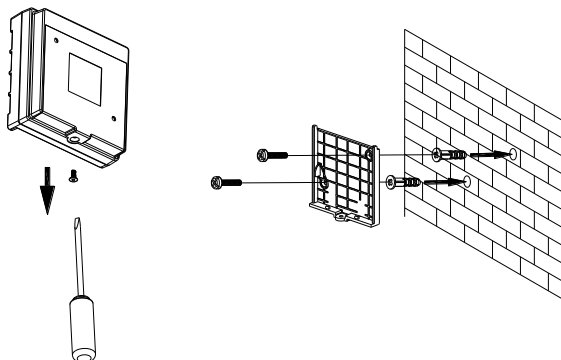


Fig. 1

Fig. 2

2. Using the mounting plate as a template, mark the positions of the two fixing holes on the wall.
3. Fix the mounting plate to the wall using the screws and wall plugs provided. (Fig. 2) Do not over-tighten the fixing screws as this may distort or damage the mounting plate.
4. There is one jumper link located adjacent to the battery compartment. (Fig. 3)
Jumper link J1: Reset to Factory default

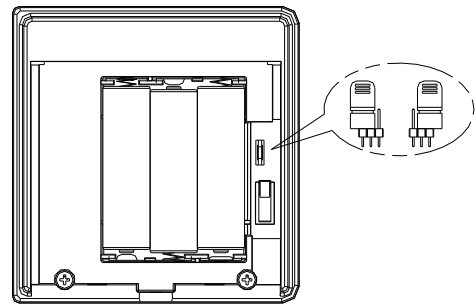


Fig. 3

5. Connect the 3 x AA alkaline batteries to the battery compartment.
6. Click the Keypad to the mounting plate and screw the fixing screw. (Fig. 4a & 4b) Do not over-tighten the fixing screw.

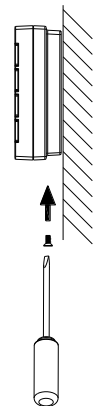
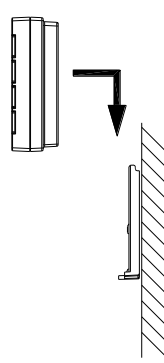


Fig. 4a

Fig. 4b

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

Note: The Keypad has back light illumination facility. The back light of digit 0~9 won't be off until 5-second

illumination duration expires each time when you press any key. Once transmission is successful the back light of digit 0~9 will extinguish. Failure to input any key more than 5 seconds after each pressing will be treated as invalid input and the back light of digit 0~9 will extinguish.


Operating the Keypad

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 operating from the beginning of the sequence.

Compatible with Control Panels of SC801, SC811 and SC821


1. Arm the system:



- (1) Press  key from the Wireless Keypad.
- (2) Using the Wireless Keypad to press 4-digit access code of the control panel.
- (3) If the control panel is armed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.


2. Part-arm 1:



- (1) Press  key from the Wireless Keypad.
- (2) Using the Wireless Keypad to press 4-digit access code of the control panel.
- (3) If the control panel is part-armed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

3. Part-arm 2:




- (1) Press  key from the Wireless Keypad.
- (2) Using the Wireless Keypad to press 4-digit access

code of the control panel.

- (3) If the control panel is part-armed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

4. Disarm the system:




- (1) Press  key from the Wireless Keypad.
- (2) Using the Wireless Keypad to press 4-digit access code of the control panel.
- (3) If the control panel is disarmed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

5. Alarm Memory

In order to verify if a full alarm condition has been initiated while you are away, a LED indication for alarm activation will be shown on the control panel.

When or after an alarm condition has been generated, follow the steps in sequence as below:



- (1) Press  key on the Wireless Keypad.
- (2) Using the Wireless Keypad to press 4-digit access code of the control panel.

All four function keys –



on the Keypad will illuminate shortly, which implies that the Wireless Keypad received radio signal of alarm memory from the control panel.

Compatible with Solar-Powered Control Panel (SE801)

1. Arm the system



(1) Press key from the Wireless Keypad.

(2) Press 4-digit Administrator password of the Wireless Keypad.

(3) If the control panel is armed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

2. Part-arm 1



(1) Press key from the Wireless Keypad.

(2) Press 4-digit administrator password of the Wireless Keypad.

(3) If the control panel is part-armed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

3. Part-arm 2



(1) Press key from the Wireless Keypad.

(2) Press 4-digit administrator password of the Wireless Keypad.

(3) If the control panel is part-armed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

4. Disarm the system



(1) Press key from the Wireless Keypad.

(2) Press the 4-digit administrator password of the Wireless Keypad.

(3) If the control panel is disarmed successfully, the back light of digit 0~9 of the Wireless Keypad will extinguish, whereas if failure, the back light of digit 0~9 will flash three times.

5. Alarm Memory

When the Solar-powered control panel initiated a full alarm condition, press the following keys after the elapse of alarm duration of the Solar-powered control panel, so that the Wireless Keypad can receive radio signal of alarm memory from the control panel.

Note: If the following keys have been pressed before the alarm duration expires, the Wireless Keypad cannot receive the radio signal of alarm memory from the control panel.



Press

Administrator password

All four function keys –



on the Keypad

will illuminate shortly.

6. System Off

System off is to facilitate the installation of solar-powered control panel without triggering an alarm condition despite the detector or tamper switch being triggered. Once the installation is complete set the system to system on.

Press



Administrator password

7. System On



Press

Administrator password

Programming Instructions

1. Panic

Press  +  simultaneously for 2 seconds

The Wireless Keypad will emit the radio signal to the control panel, a full alarm condition will occur.

2. Enabling/Disabling the Panic function

Default setting: enabled

Panic disabled

Press     
Administrator password

Panic enabled

Press     
Administrator password

3. Changing the Administrator Password

Default Password: 1 2 3 4

To change the Administrator password, press the following keys in sequence:

(1) Press     
Default Administrator password

(2) Enter     
New Administrator password


Note: The procedures as indicated above is to change the administrator password of itself, not the access code of the control panels, such as SC801, SC811 and SC821.

4. Learning the ID 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.

(1) Press    

Administrator password

(2) Enter 

a. During ID code learn period, all four function keys --

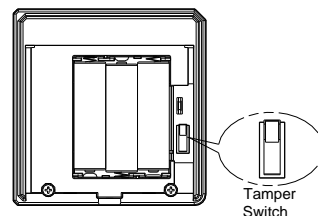


will be flashing simultaneously.

b. After entering ID code learn mode, the Wireless Keypad will have a 30-second countdown to wait for the associated control panel to enter ID code learn mode.

5. Tamper Protection

The Keypad incorporates a tamper protection feature to protect against unauthorized attempts to interfere with it. Any attempt to remove the Keypad from the wall will trigger the tamper switch by emitting radio signal to the control panel to initiate an alarm condition.



6. Key Lockout

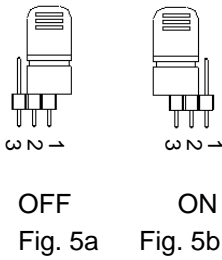
When a sequence of incorrect code is entered once, the back light of LED will flash. If a sequence of incorrect code is entered three times, the Keypad will be locked out for the next 30 seconds. Subsequent lockout for three times, the Keypad will emit tamper radio signal to the control panel.

7. Resetting to Factory Default

If unfortunately you forget the Administrator password, you can reset the Administrator password to factory default by proceeding with the following steps in sequence:

(1) Remove the batteries.

- (2) Set the Jumper link J1 to off position as shown on Fig. 5a.



- (3) Refit the batteries. The Keypad is reset properly by flashing back light 0~9 three times.
- (4) Set the Jumper link J1 to on position as shown on Fig. 5b.

Replacing the Batteries

If the battery level drops below unacceptable level then its low battery indication will be activated by flashing 4 times while pressing the first key, subsequent key cannot be pressed until initial 4 flashings are completed. The batteries should be replaced as soon as possible as follows:

1. Undo fixing screw at bottom of Keypad and remove from wall mounting plate.
2. Replace batteries with new 3 x AA alkaline battery.
3. Refit and secure the Keypad onto the mounting plate.

Troubleshooting

Status	Remedy
Press key, LED no reaction	Replace a new battery
	Remove and refit the battery with correct polarity
The connected control panel not working	Proceed with learning the ID code
	Ensure correct operation of learning the ID code
Forgot password	Reset to the factory default setting

Specifications

Battery	AA 1.5V alkaline battery x 3
Frequency	868 MHz or 923 MHz
Communication Range	Up to 250m (in open space)

Specifications are subject to change without notice.

CE0678①



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Warning:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.