

User Guide

SPC Two-way Wireless Keypad



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SPC Configuration

Enrolling the Keypad from the Browser

1. Select **Full Engineer**, select **Configuration**, select **Wireless**, select **Enrol new device**.
2. You are now in Discovering mode.
3. Insert the batteries into the wireless keypad.
4. Replace the keypad cover.
5. After 30 seconds, the keypad should appear on the browser.
6. Confirm the serial number on the browser matches the serial number on the wireless keypad.
7. Select the **Add icon**.
8. Now choose your selected Keypad options and select **Save**.

The Keypad has now added to the SPC system.

Enrolling the Keypad from a Wired Keypad

1. Select Full Engineer, select **WIRELESS**, select **KEYPADS**, select **ADD**.
2. You are now in Discovering mode.
3. Insert the batteries into the wireless keypad.
4. Replace the keypad cover.

When the device has been detected the text **FOUND KEYPAD** is displayed on the keypad. The device **ID**, **TYPE**, and **SIGNAL** information is displayed beneath **FOUND KEYPAD**.

Confirm the serial number on the display matches the serial number on the wireless keypad.

5. Select **ENROL**.
6. Enter the **Keypad Name**.
7. Enter **Area number** as prompted.

The wireless keypad is now added to the SPC system.

Enrolling the Two-way Wireless RFID Tag using the Browser

1. Select the **Enter Key** on the two-way wireless keypad.
2. Present the RFID tag at the **RFID Sensor**.
3. Log-on to the SPC browser and select **Users**.
4. Select the the **Edit** icon for corresponding user.
5. In the **User Settings** section click the **Unknown Tag** button.
6. Click on the **Add** button and the tag will be added to this user.

Note: When you present the tag to the **RFID Sensor**, a white LED should light to indicate that the tag has been read.

Enrolling the Two-way Wireless RFID Tag using a Hardwired Keypad

1. Enter the Engineer menu and select **USERS**.
2. Select **EDIT** and choose the user you wish to edit.
3. Change the **TWW TAG** option to **ENABLED**.

The Keypad will prompt the engineer to present the tag with the message **PRESENT TWW TAG**.

4. Press the **Enter Key** on the wireless keypad
5. Now present the fob to the wireless keypad **RFID Sensor** symbol.

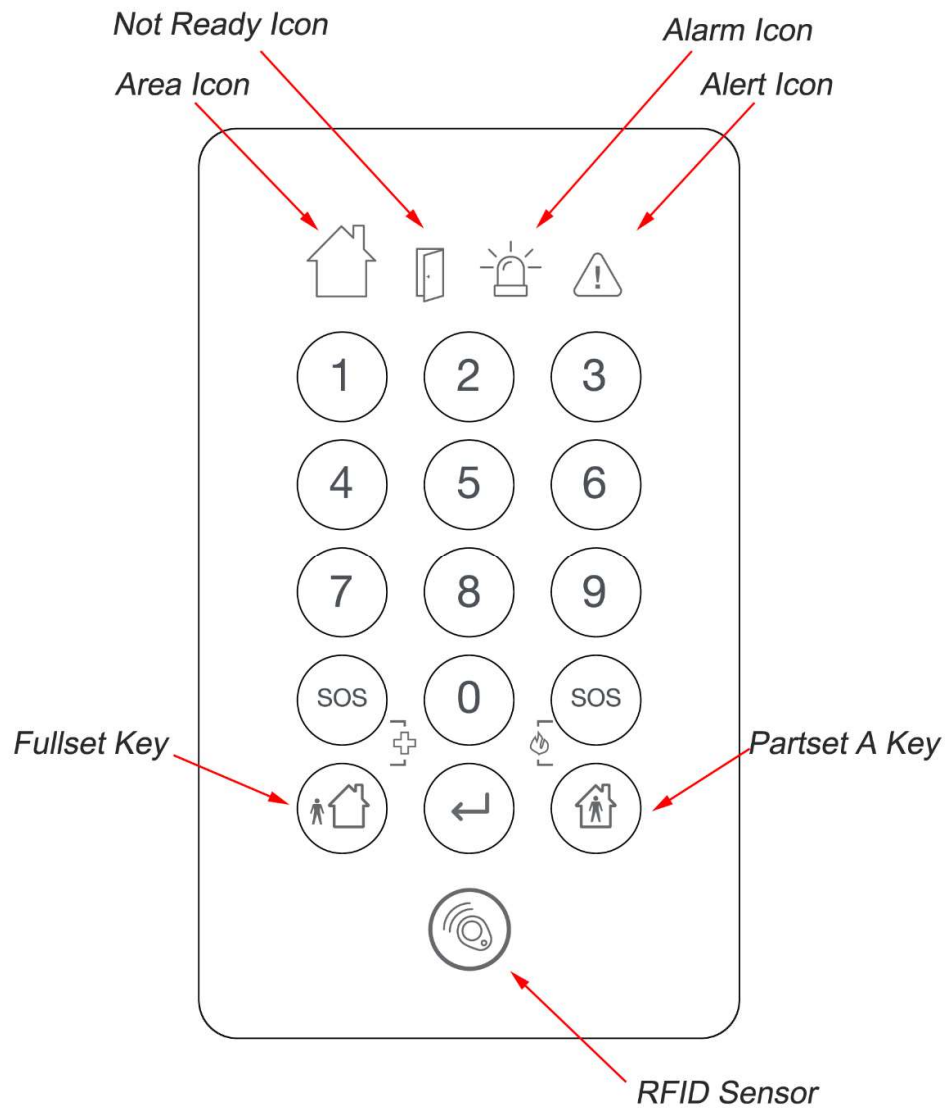
Note: You must present the tag within 30 seconds of enabling the **TWW TAG** option.

Presenting the RFID tag to the **RFID Sensor** symbol causes the **RFID Sensor** white backlight to turn on momentarily.

The keypad displays **TAG CONFIGURED**.
The tag is now added to this user

Keypad Nomenclature

Keypads ICON Names and Key Names



Fullset Operation

Fullset the system with a User Code

Enter the user code and press the **Fullset Key**, within 2 seconds.

e.g. 2222 +



Note:

During the exit time, the **Area Icon** will flash red approximately every 2.5 seconds.

When the area is armed, the **Area Icon** and the **Fullset Key** will light red for approximately 2 seconds.

Fullset the system with Tag

Press the Fullset Key, then present the RFID tag to the **RFID Sensor** symbol on the keypad, within 2 seconds.

e.g.



+



Note:

The **RFID Sensor** symbol will light up white, to indicate that it has been read.

During the exit time, the **Area Icon** will flash red approximately every 2.5 seconds.

When the area is armed, the **Area Icon** and the **Fullset Key** will light red for approximately 2 seconds.



Partset A Operation

Partset A the system with Code

Enter the user code and press the Partset Key, within 2 seconds.

e.g. 2222 +



Note:

During the exit time, the **Area Icon** will flash red approximately every 2.5 seconds.

When the area is armed, the **Area Icon** and the **Partset Key** will light red for approximately 2 seconds.

Note: To use the Partset A functionality, the Partset A attribute must be turned on for the Area and the User must have the Partset A attribute.

Partset A the system with Tag

Press the Partset Key, then present the RFID tag to the **RFID Sensor** symbol on the keypad, within 2 seconds.

e.g.



+

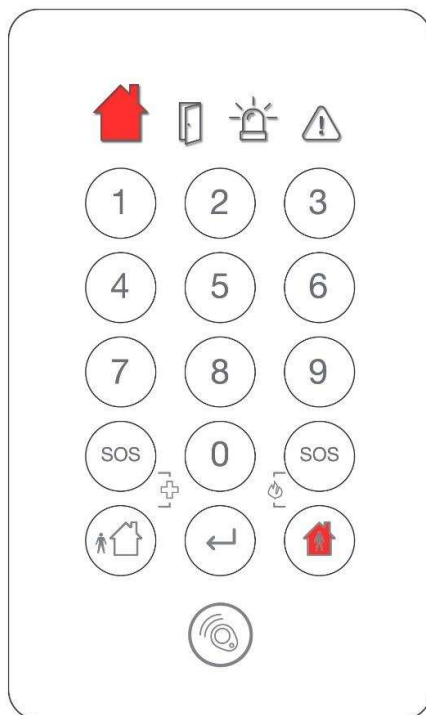


Note:

The **RFID Sensor** symbol will light up white, to indicate that it has been read.

During the exit time, the **Area Icon** will flash red approximately every 2.5 seconds.

When the area is Partset A, the **Partset Icon** and the **Fullset Key** will light red for approximately 2 seconds.



Note: Only Partset A can be used through the wireless keypad.

Unset Operation

Unset the system with Code

Type the User code and press the **Enter Key**

Note:

When the area is unset, the **Area Icon** will light green for approximately 2 seconds.



Unset the system with RFID Tag

Press the **Enter Key** and present the RFID tag to the **RFID Symbol** on the keypad, within 2 seconds.

Note:

When the area is unset, the **Area Icon** will light green for approximately 2 seconds.



Fullset and Partset A Quick codes

Fullset using Fullset Quick Code

Press and hold the **Fullset Key** for 2 seconds.



Note:

In order for the Fullset quick code to work, the Fullset quick code must be enabled in the Keypad edit menu.

Partset A using Fullset Quick Code

Press and hold the **Partset Key** for 2 seconds.



Note:

In order for the Partset A quick code to work, the Partset A quick code must be enabled in the Keypad edit menu.

Arming the system with Pin and RFID Tag

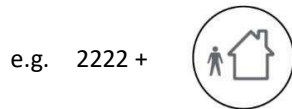
Fullset with Pin and RFID Tag

When the SPC Panel option **PIN and Pace** is enabled (see SPC System menu option), the RFID tag can be used with a user pin for dual authorisation.

- (1) Press the Fullset Key.
- (2) Present the RFID tag to the **RFID Symbol** on the keypad, within 2 seconds.



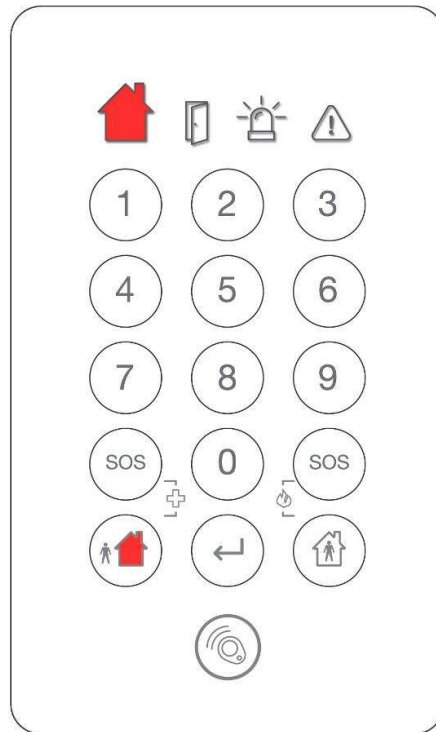
- (3) Type the user code and press the **Fullset key**.
The system starts the arm procedure.



Note:

The Not Ready Icon will light red when entering the second code (Under review).

If the Fullset is successful, the keypad will light the following icons for approximately 2 seconds:



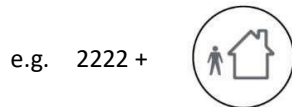
Partset A with Pin and RFID Tag

When the SPC Panel option **PIN and Pace** is enabled (see SPC **System** menu option), the RFID tag can be used with a user pin for dual authorisation.

- (1) Press the **Partset Key**.
- (2) Present the RFID tag to the **RFID Symbol** on the keypad, within 2 seconds.



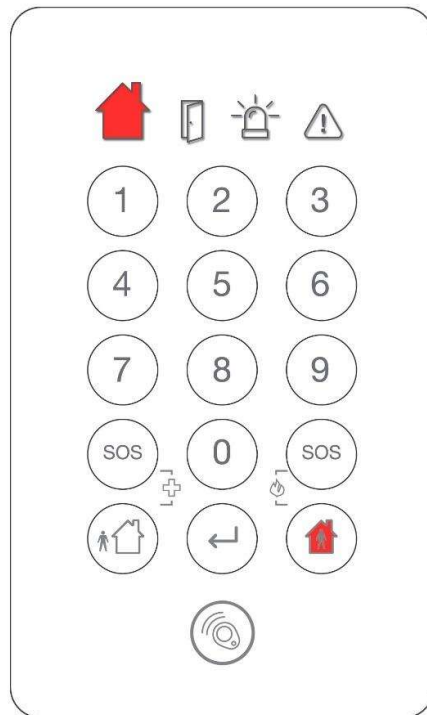
- (3) Type the user code and press the **Partset Key**



Note:

The **Not Ready Icon** will light red when entering the second code. (Under Review)

If the **Partset A** is successful, the keypad will light the following icons for approximately 2 seconds:



Disarming with Pin and RFID Tag

- (1) Press the **Enter key** and present the RFID tag to the **RFID Symbol** on the keypad, within 2 seconds.
- (2) Type the user code and press the **Enter key**.

Note:

When the area is unset, the **Area Icon** will light green for approximately 2 seconds and the Keypad buzzer sounds a short beep.



Alarms, Trouble and Alerts

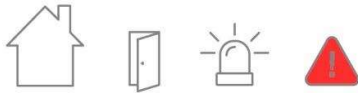
Failure to set Area

If an area fails to set during the exit period or when it expires, the **Not Ready** icon will light for approximately 2 seconds.



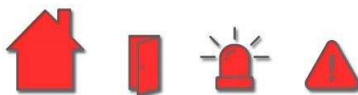
Engineer on Site

When the Engineer is on site and a key is pressed on the keypad, the **Alert Icon** lights red for approximately 2 seconds.



The system is in Alarm

When the area goes into alarm, all four keypad icons will flash red and the keypad buzzer turns on for 30 seconds.



If a key is pressed on a wireless keypad that is sounding, the buzzer will stop for approximately 2 seconds before resuming. This cycle is repeated three times, after which the keypad will remain silent. The keypad icons will flash red for 30 seconds after the last key is pressed.

Clearing an Alarm Condition

Clearing an alarm on a wired keypad is a two stage process:

- Entering a valid user code silences the bells.
- The user clears each alert individually.

This is not possible on a wireless keypad because the alert cannot be identified.

Entering a valid user code on a wireless keypad will silence the bells and clear the alert in one operation.

Note: When using a wired keypad to clear an alert on a system which contains a wireless keypass, the buzzer on the wireless keypad will continue to sound until the user clears the alerts.

Exit Fault

If an alarm zone opens during the exit period, the **Alarm Icon** will flash red and the keypad buzzer will sound for 10 seconds. Pressing a key within this 10 seconds will stop the buzzer for approximately 2 seconds, after which the 10 second fail to set indication will resume.



Generating a Panic Alert

Note:

In order for the Panic, Medical and Fire quick set keys to work, they must be enabled in the keypad **Wireless Device Configuration** menu.

To generate a panic alarm on the wireless keypad, follow the instructions below:

1. Press the left and right **SOS Keys** for 3 seconds.



The **Alarm Icon** flashes red for 30 seconds or until a key is pressed.



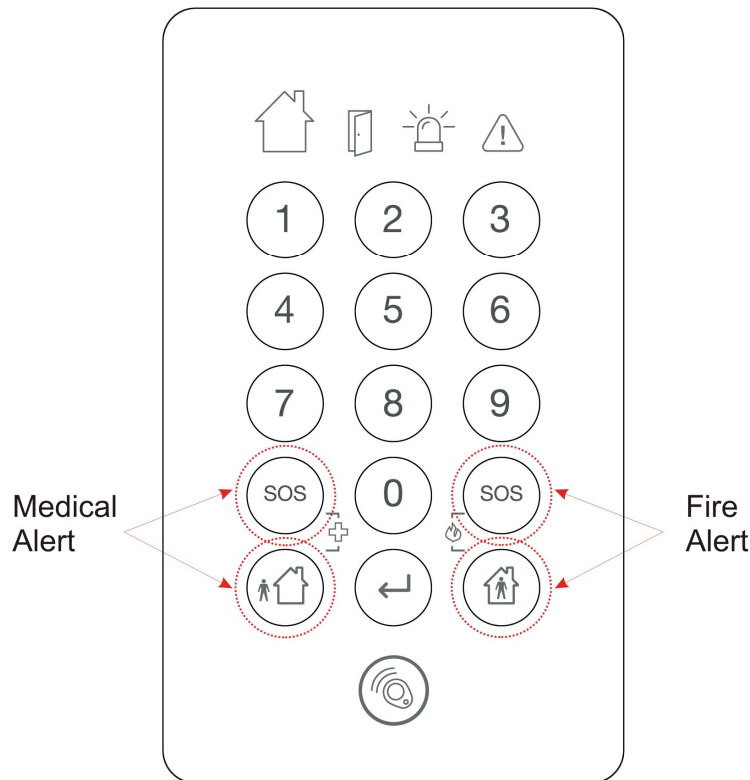
When in panic alarm, the keypad behaves as following:

1. Entering a valid user code clears the alarm.
The keypad buzzer will stop sounding and the **Alarm Icon** will turn off.
The **Area Icon** lights green for approximately two seconds.
2. Selecting a key while the alarm indication is active, turns on the keypad backlight and stops the buzzer for 2 seconds. When 2 seconds have elapsed, the backlight turns off and the buzzer recommences.
Note: This cycle will repeat up to 3 times.
3. If no key is pressed while the keypad alarm indication is active, the keypad alarm indication continues after 30 seconds. When the alarm indication has timed out, the **Alarm Icon** turns off and the keypad buzzer turns off.

Note: If a key is pressed after the alarm indication period has expired, the **Alert Icon** flashes red for approximately 2 seconds and the **Alarm Icon** flashes red for approximately 5 seconds then turns off.

Generating a Medical Alert or Fire Alert

1. For Medical alert: Press the left-hand **SOS Key** and **Fullset Key** buttons for 3 seconds.
The **Alarm Icon** flashes red for 30 seconds and the keypad buzzer sounds.
Or
4. For Fire alert: Press right-hand **SOS Key** and **Partset Key** buttons for 3 seconds.
The **Alarm Icon** flashes red for 30 seconds and the keypad buzzer sounds.



The **Alarm Icon** Icon flashes red for 30 seconds or until a key is pressed.



When in panic alarm, the keypad behaves as following:

1. Entering a valid user code clears the alarm.
The keypad buzzer will stop sounding and the **Alarm Icon** will turn off.
The **Area Icon** lights green for approximately two seconds.
2. Selecting a key while the alarm indication is active, turns on the keypad backlight and stops the buzzer for 2 seconds. When 2 seconds have elapsed, the backlight turns off and the buzzer recomences.
Note: This cycle will repeat up to 3 times.
3. If no key is pressed while the keypad alarm indication is active, the keypad alarm indication continues after 30 seconds. When the alarm indication has timed out, the **Alarm Icon** turns off and the keypad buzzer turns off.

Note: If a key is pressed after the alarm indication period has expired, the **Alert Icon** flashes red for approximately 2 seconds and the **Alarm Icon** flashes red for approximately 5 seconds then turns off.