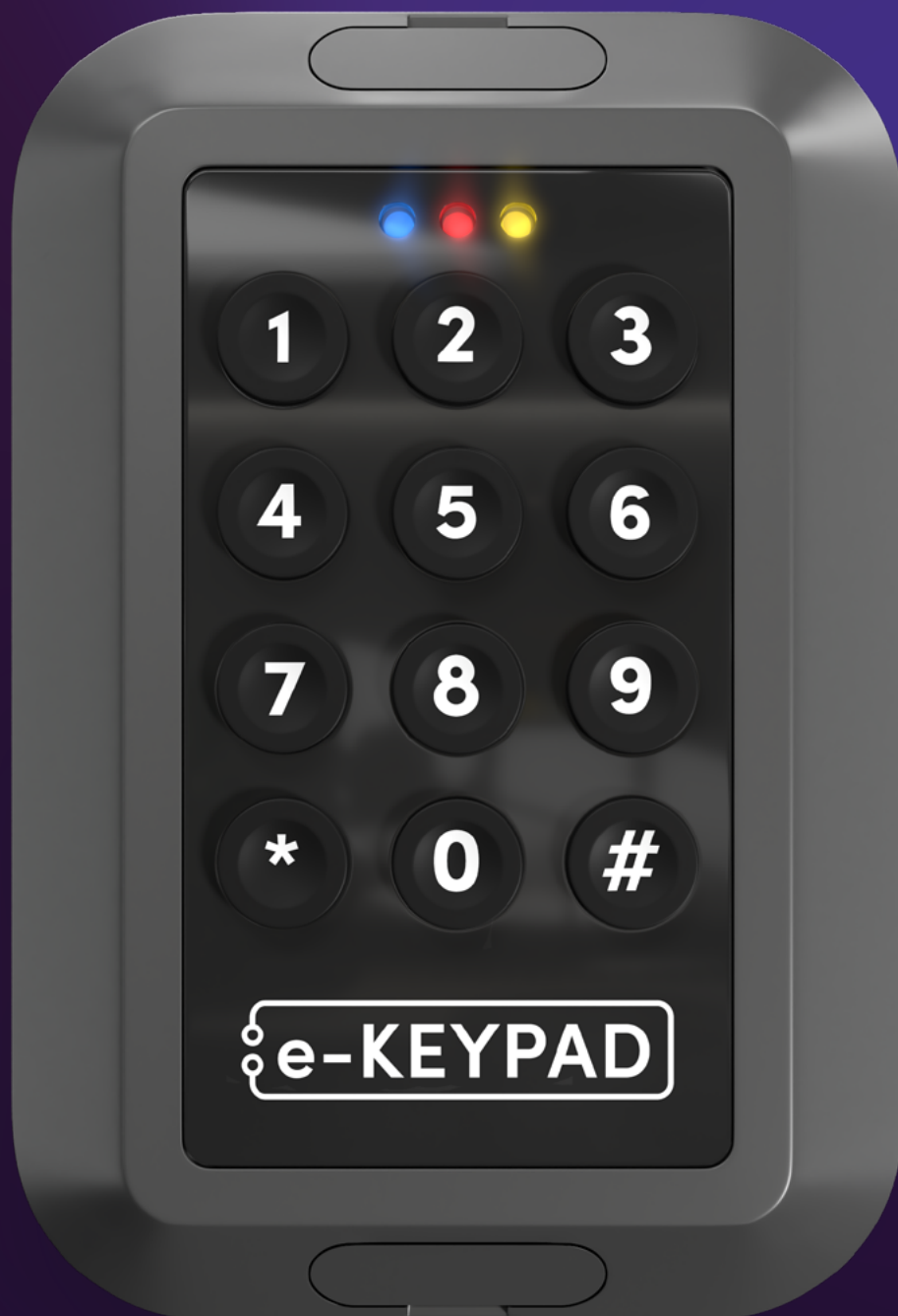


e-KEYPAD

INSTRUCTION MANUAL



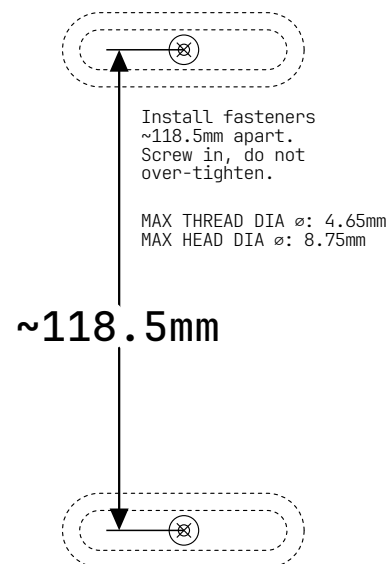
Power, Physical & Environment

Voltage	3V DC
Current Draw Standby	200 ^{nA}
Peak Current Draw	10 ^{mA}
Battery Type	CR2450
Battery Capacity	540 ^{mA}
Frequency	433.39 ^{mHz}
User Code Storage Capacity	200 Codes
Supervisor Code Storage Capacity	1 Code
Transceiver Capacity	6 e-TRANS
Size	135 x 90 x 20mm
Pin Code Length	4-8 Digits
Security	128-Bit AES Encryption

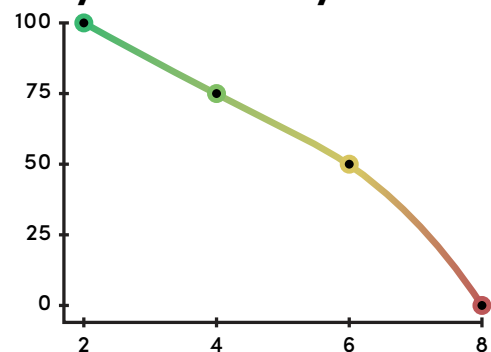
Compliance

Safety	Tested to CE
EMC	Tested to: EN 301 489-1 V2.2.3 "ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility" Including a) Emissions to EN 55032 "Electromagnetic compatibility of multimedia equipment". b) Transmitter and receiver test to EN 300 220-1 V3.1.1 'Short Range Devices (SRD) operating in the frequency range 25MHz to 1000MHz; Part 1: Technical Characteristics and methods of measurement'. c) Immunity Tests to EN 301 489-1

Installation



Battery Life vs. Daily Activations



NOTE: Battery Life is dependent on many factors, including daily activations, time used per activation, radar range & external conditions.

Coding out of the Box

1. Entering Coding Mode

To enter Coding Mode press buttons in the following sequence: Yellow LED will illuminate Solid, indicating Coding Mode Entered.

0 + 0 + 0 + 0 + # =

2. Coding e-Trans

Press CODE button on e-Trans. Then press number of corresponding e-Trans location (1-6) to code into that slot.



Note: Coding into a populated channel, will overwrite old e-Trans. Codes will be assigned to new transceiver.
Note: To exit Programming or Coding mode at any time. Press: 0 + *

Default User Codes per Channel

These codes can be used to check functionality when new transceiver coded.

CHANNEL	RELAY 1	RELAY 2 (E-TRANS 200)
1	1 1 1 1 1	2 1 1 1 1 1
2	2 2 2 2 2	2 2 2 2 2 2
3	3 3 3 3 3	2 3 3 3 3 3
4	4 4 4 4 4	2 4 4 4 4 4
5	5 5 5 5 5	2 5 5 5 5 5
6	6 6 6 6 6	2 6 6 6 6 6

Deleting Transceiver from Channel

1. Entering Channel Deletion Sub-Menu

Enter Coding Mode. Refer to: "Coding out of the Box".

2. Navigate to the Deletion Sub-Menu

Press the Star key to enter the deletion sub-menu. Red LED will illuminate solid.

[Enter Coding Mode] → * →

3. Removing e-Trans

Press CODE button on e-Trans. Then press number of corresponding e-Trans location (1-6) to code into that slot.



Setting a New User Code

1. Enter Programming Mode

To enter Programming Mode press buttons in the following sequence: Blue LED will illuminate Solid, indicating Coding Mode Entered.

0 + 0 + 0 + 0 + * =

2. Selecting Channel & Inputting User Code

Select desired e-Trans channel number followed by Star key. Then insert your chosen user code (1-8 Digits). Then use the Hash key to lock in the code. Yellow LED will flash 2 times to indicate a successful code entry.

[Channel Number] + * + [Insert User Code] + # →

3. Inputting a User Code with Expiry

Select desired e-Trans channel number followed by Star key. Then insert your chosen user code (1-8 Digits). Then use the Hash key to lock in the code. Yellow LED will flash 3 times to indicate a successful code entry.

[Channel Number] + * + [Insert User Code] + * + [Expiry Count] + # →

Deleting a User Code

1. Enter Programming Mode

Enter Programming Mode. Refer to: "Setting a New User Code Step 1"

2. Navigate to the Deletion Sub-Menu

Press the Hash key to enter the deletion sub-menu. Red LED will illuminate solid.

[Enter Programming Mode] → # →

3. Inputting Code for Deletion

Press the Hash key to enter the deletion sub-menu. Red LED will illuminate solid. Blue LED will flash to confirm deletion.

[Insert User Code] + # →

Changing Protocol (V4 → V3)

Note: The e-Keypad is shipped in Version 4 from factory.
Note: Changing operational protocol will erase all saved codes & e-Trans

1. Enter Programming Mode

Enter Programming Mode. Refer to: "Setting a New User Code Step 1"

2. Switching Versions

9 + * + (1 for V4 | 2 for V3) + #

Refer to Version 3 Instructions for menu structure.

Enabling Manual Mode

Note: Manual Mode is designed for use with next generation e-Loop ecosystem devices. Current release doesn't support this operational mode.

1. Enter Programming Mode

8 + * + (1 = Regular Mode | 2 = Manual Mode) + #

Red LED flash = Regular Mode

Blue LED Flash = Manual Mode

Installation

1. Mark mounting hole locations, using keypad as a reference.

2. Drill holes into mounting surface

3. Fix the keypad unit to the wall using the included screws.

Note: Do not over-tighten screws, once unit is secured refrain from further tightening.

4. Install screw covers.



Coding out of the Box

Upon receiving the e-Keypad, it will be pre-configured to coding mode, allowing you to immediately code into e-Trans without entering programming mode. The following steps will guide you through the process.

Coding Channels

To code channels 1 – 3, press the corresponding number on the keypad followed by * and #

1 or 2 or 3 + * + #

Locking Keypad

To lock keypad Press & Hold the 0 Button for 10 seconds. 0

Entering Program Mode

To In this mode, you can code e-TRANS, add or delete user codes & change programming and supervisor codes. After entering programming mode, you have 15 seconds of inactivity before the programming mode, or you can press 0 + * to exit manually.#

0 + 0 + 0 + 0 + *

Note: To exit programming mode at any time. Press: 0 + *

Adding User Code to Channel 1

Press 4 + 4 + (user code). Example 4 * 1111 * 1 # sets user code for CH 1 and saves it to memory location 1.

4 + * + [Insert User Code] + * + 1 + #

Note: If allocation is position 1 is taken, all LEDs will flash after the hash key is pressed. Select another channel or delete allocation 1 from the memory.

Adding User Code to Channel 2

Press 5 * (user code) example 5 * 2222 * 2 # sets user code for CH 2 and saves it to memory location 2.

5 + * + [Insert User Code] + * + 2 + #

Adding User Code to Channel 3

Press 6 * (user code) example 6 * 3333 * 3 # sets user code for CH 3 and saves it to memory location 3.

6 + * + [Insert User Code] + * + 3 + #

Deleting User Codes

Press 7 * deletes a user from the input memory location. Example: 7 * 1 # deletes the user code from memory location 1.

7 + * + [Memory Location. 1 - 200] + #

Add User Code with Expiry

To add a user code with a set number of uses. Press 4 followed by *. Input your desired user code, press *, then select your desired memory location. Press *, then put your allowed number of pin uses (1-9), followed by #

Amount of Operations →
4 + * + [Insert User Code] + * + 1 + * + 1 + #
↑
Memory Location

Changing Programming Code (Default 0000)

Pressing 8 * enters a new programming code. The code must be entered twice for verification purposes. Example 8 * 1234 * 1234 # sets the program code to 1234.

8 + * + [New Code] + * + [New Code] + #

Changing Supervisor Code (Default 0000)

Pressing 9 * enters a new programming code. The code must be entered twice for verification purposes. Example 9 * 5678 * 5678 # sets the program code to 5678.

9 + * + [New Code] + * + [New Code] + #

User Mode

Entering a programmed user code followed by # will operate the assigned channel. Enter code followed by the # key.

Example: 1 + 1 + 1 + 1 + # will operate Channel 1

Example: 2 + 2 + 2 + 2 + # will operate Channel 2

Example: 3 + 3 + 3 + 3 + # will operate Channel 3

Entering a supervisor code will operate a selected channel. Enter code followed by the * key, then CH, then #

Example: 5 + 6 + 7 + 8 + * + 1 will operate Channel 1

Example: 5 + 6 + 7 + 8 + * + 2 will operate Channel 2

Example: 5 + 6 + 7 + 8 + * + 3 will operate Channel 3

To enter program mode input the program code followed by * user code.

[Program Code] + * + [Example Code] + *

Note: Programming mode cannot activate the e-Trans, as it is used to manage user & supervisor codes

Returning to Version 4

Returning to Version 4 from legacy Version 3 operational mode does not require entering a menu. Simply input the following sequence.a

9 + * + 1 + #