Automation Systems
AUSTRALIA

TEKNO K1
Standalone Wired Keypad with RFID and App Control

Specifications

Power: 12V DC
Standby Current: ≤35 mA
Operating Current: ≤100 mA
Maximum Users: 10,000 Users in Standalone Mode
Operating Temperature: -40°C to +60°C
Operating Methods: PIN CODE, RFID, MOBILE APP
Wi-Fi: 2.4GHZ ONLY, Up To 10 Metre Distance (1 Wall)

Default ADMINISTRATOR Code

| 9 | 9 | 9 | 9 | 9 | 9 |

Programming Access Code ONLY

+12V DC (RED) — Power
GND (BLACK) — Power
OPEN (Yellow) — Exit Button
D0 (Green) — Wiegand
D1 (White) — Wiegand
N/O (Blue) — Relay
COM (Purple) — Relay
N/C (Orange) — Relay
EM Card and Tag Reader
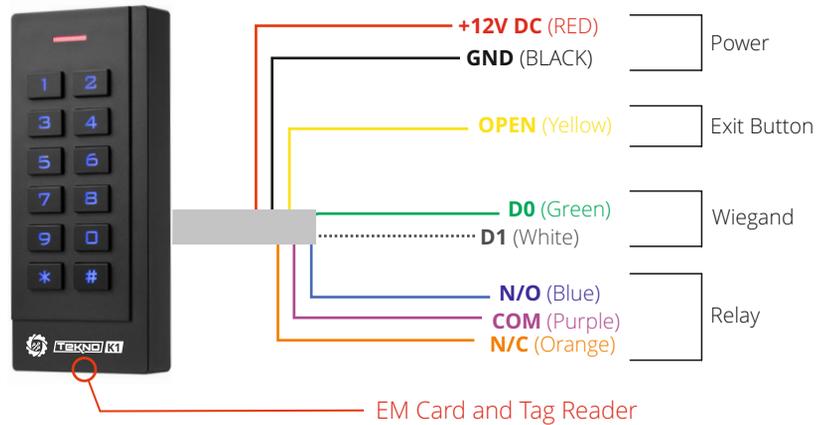
About

The Tekno K1 Wired keypad allows for access by pin number, RFID car/tag or by operation on the APP. It can operate as a stand-alone device or work with a Wiegand controller. Supporting NO and NC relay function it can momentarily pulse or latch up to 99 seconds. Two factor authentication is also available by CARD/TAG then PIN, or alternatively used as standard card/pin unlocking.
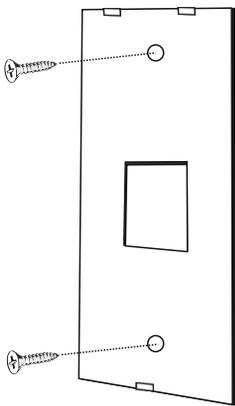
1. Install the backing plate to the post or wall using the appropriate fasteners.
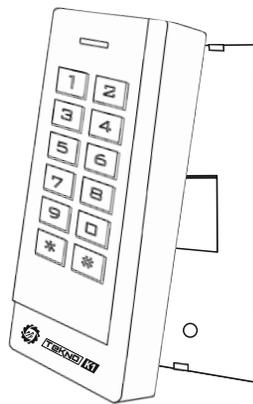
2. After completing wiring install the keypad to the backing plate clipping into the top clips from a 45° angle and bring down slowly til seated.
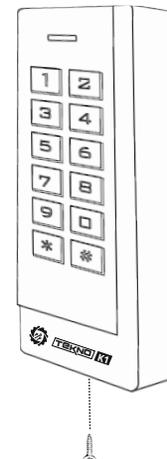
3. Install the small retaining screw.

LED and Buzzer

Ready for Admin PI code
1 Second | 1 Second

PIN Error
Bi Bi Bi
1 Second
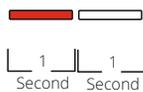
Correct Pin Code
Relay Time

In a setting Menu

Quick Reference to add a Common Pin Code

If only requiring a simple setup of only one common PIN code the step outlined below can be used to bypass all advanced steps and quickly add the PIN. Note that 1234 CANNOT be used as a PIN number.

| * | 9 | 9 | 9 | 9 | 9 | 9 | # | | 0 | 9 | | A | A | A | A | A | A | # | | * |

4-6 Digit PIN

Type `*` `9` `9` `9` `9` `9` `9` `#` to access admin programming.   Press `*` to exit programming (solid red indicator is standby)

Administrator

Set new ADMIN Pin Number	`0` `0`	`A` `A` `A` `A` `A` `A` `#`	`A` `A` `A` `A` `A` `A` `#`
		6 DIGIT New Admin PIN	REPEAT New Admin PIN

Set the Admin "ADD" Card	`0` `1`	`READ CARD` `*`

Set the Admin "DELETE" Card	`0` `2`	`READ CARD` `*`

System Functionality (Default Standalone Mode)

Set the system type	`0` `3`	`0` `#` Wiegand Reader
		`1` `#` Standalone Mode (DEFAULT)
		`2` `#` Relay Toggle Mode (Still standalone but replaces the timed relay with Latch on/off each correct pin number)

PIN Numbers

Add/Overwrite a common code (NO user ID)	`0` `9`	`A` `A` `A` `A` `A` `A` `#`
		4-6 Digit PIN

Add a user with a User ID   `1` `1`   `READ CARD`

`U` `U` `U` `U` `U` `#`   `A` `A` `A` `A` `A` `A` `#`   **1234 CANNOT be used as a**
UNIQUE User ID Number   4-6 Digit PIN   **PIN number**
1 -10,000

`U` `U` `U` `U` `U` `#`   `READ CARD`
UNIQUE User ID Number
1 -10,000

`U` `U` `U` `U` `U` `#`   `CARD NUMBER` `#`
UNIQUE User ID Number   8-10 Digit Printed Card
1 -10,000   Number

Delete a user with a User ID   `2` `1`   `READ CARD`

`U` `U` `U` `U` `U` `#`
Individuals User ID Number

`CARD NUMBER` `#`
8-10 Digit Printed Card
Number

Delete ALL users (NOT the common code)	`2` `0`	`0` `0` `0` `0` `#`

Authentication and 2FA (Default Card OR Pin)

`3` `1`   `1` `#` PIN only, No cards
`2` `#` Cards only, No pin's

`3` `#` Card then PIN (2FA) , See 2FA Instructions
`4` `#` Card or Pin (Default)

Relay Unlock/Latching Time (Default 5)

`4` `1`   `T` `T` `T` `#`
0-300(Seconds)

Alarm

Alarm Time	`4` `2`	`T` `T` `#` 0-99(minutes)
		0=OFF

Alarm Setting   `6` `1`   `0` `#` No Alarm (Default)

`1` `#` Built in buzzer will alarm after 5 incorrect operations for nominated "Alarm Time", correct code will turn off alarm.

`2` `#` Lockout the access control system and flash the red led for 10 minutes, wait 10 minutes or power cycle the Tekno K1

Type `*` `9` `9` `9` `9` `9` `9` `#` to access admin programming.   Press `*` to exit programming (solid red indicator is standby)

Type `*` `9` `9` `9` `9` `9` `9` `#` to access admin programming.   Press `*` to exit programming (solid red indicator is standby)

Illumination and Tone

| **Status Indicator Light** | `6` `2` | `0` `#` Disables the LED indicator in standby only |
| | | `1` `#` LED Indicator always present |

Numerical Key Illumination	`6` `3`	`1` `#` Enabled
		`T` `T` `#` Back light on after key press for the nominated time
		2-99(seconds)

| **Key Press Tone** | `6` `4` | `0` `#` Disable tone for users, still works in admin |
| | | `1` `#` Tone Enabled |

Adding Cards using ADMIN "Add" Card

1. Swipe the Admin "ADD" Card

2. Swipe all card to be added consecutively

3. Swipe "ADD" card to finish

Deleting Cards using ADMIN "Delete" Card

1. Swipe the Admin "Delete" Card

2. Swipe all card to be deleted consecutively

3. Swipe "DELETE" card to finish

2FA Users and Changing there PIN

A 2FA user must first swipe there EM card THEN input there pin code followed by #. 2FA Users are added as typical card users with a user ID, Each user card added has the default PIN number of 1234, this pin number cannot be used and must be changed..

Methods to change the PIN number

`*` `READ CARD` `OLD CODE` `#` `NEW CODE` `#` `NEW CODE` `#`

`*` `USER ID` `#` `OLD CODE` `#` `NEW CODE` `#` `NEW CODE` `#`

Default "OLD CODE" is 1234, It cannot unlock and is in place for reservation purposes.

𝒫𝓇𝑒𝓂𝒾𝑒𝓇 SW24 **Swing Gate Controller**

Operating Logic	Terminal 3 (ST/OP)	Terminal 4 (PD/CL)
St At	OPEN/ STOP/ CLOSE	Ped. OPEN/ STOP/ CLOSE
oc	OPEN	CLOSE
oA	OPEN	CLOSE
cd	OPEN	
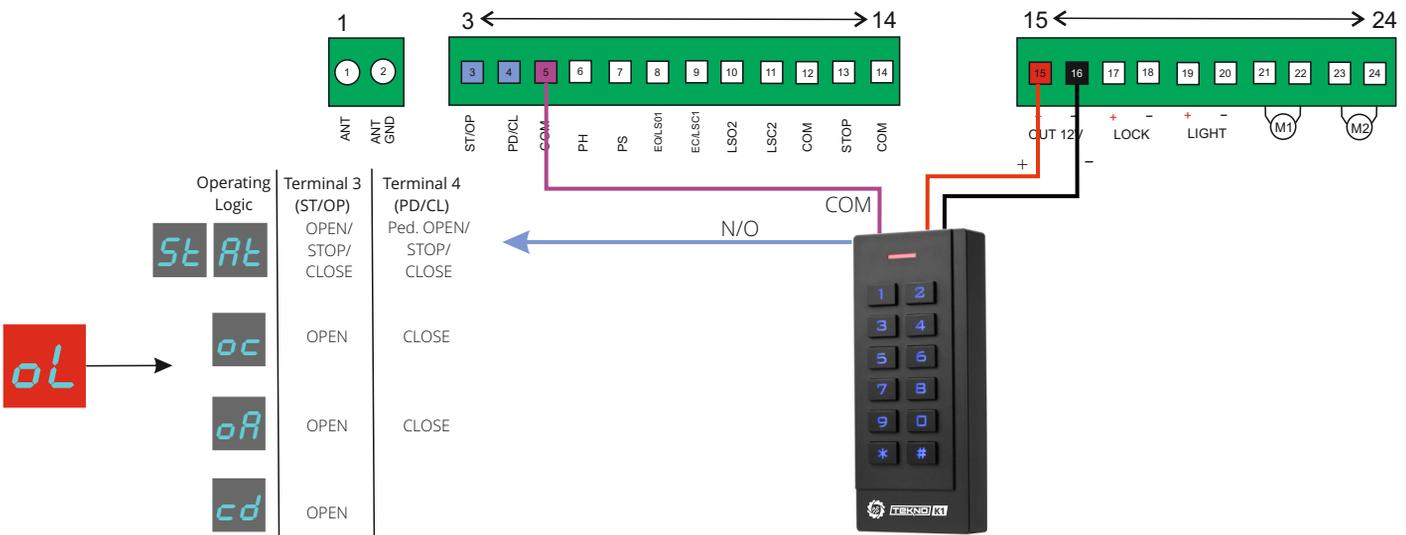
𝒫𝓇𝑒𝓂𝒾𝑒𝓇 SL24 **Sliding Gate Controller**

Operating Logic	Terminal 3 (ST/OP)	Terminal 4 (PD/CL)
St At	OPEN/ STOP/ CLOSE	Ped. OPEN/ STOP/ CLOSE
oc	OPEN	CLOSE
oA	OPEN	CLOSE
cd	OPEN	

Premier SL240AC **Sliding Gate Controller**

For Full Gate operation OPEN and CLOSE connect to terminal **START 19**

For OPEN Gate Operation ONLY connect to terminal **OPEN 21**

For CLOSE Gate Operation ONLY connect to terminal **CLOSE 20**

N/O

− AND COM

+

21

14

21	OPEN
20	CLOSE
19	START
18	DET
17	STOP
16	PHOTO
15	− COM
14	+ 12V DC

SENTRY **Boom Gate Controller**

N/O

COM

	UP
	DOWN
	SP (STOP)
	GND
	COUNT
	GND
	DETECTOR
	GND
	GND
	GLED
	24V
	RLED

+12V OUT

−

−

OUTPUT DCV12/500mA

POWER CONVERTOR

INPUT ACDC 16–28V

+24V IN
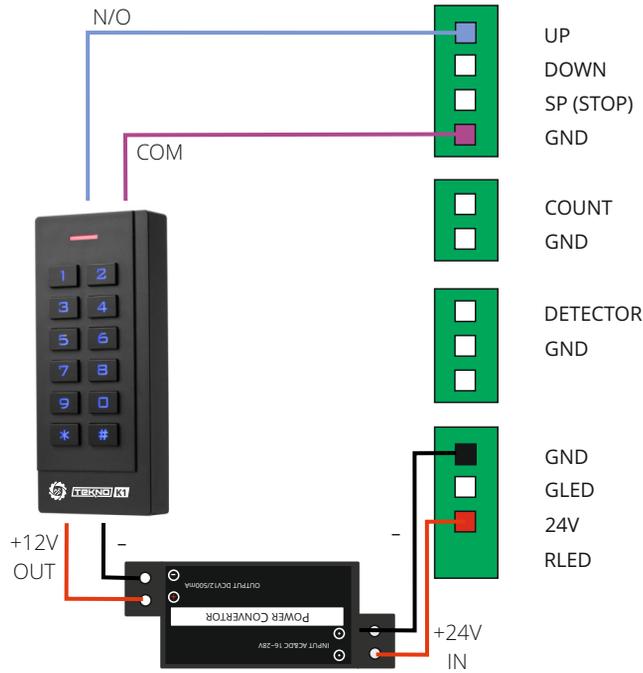
Lock Control Power Supply

NO	NC	COM	+12V	GND	PUSH	CONTROL +	CONTROL -	BAT+	BAT-

+12V DC (RED)
GND (BLACK)
COM (Purple)
N/O (Blue)

Fail Secure Electric Striker +

Magnetic Lock +
Fail Safe Electric Striker +

ALL Electric Striker/Magnetic Lock Negative
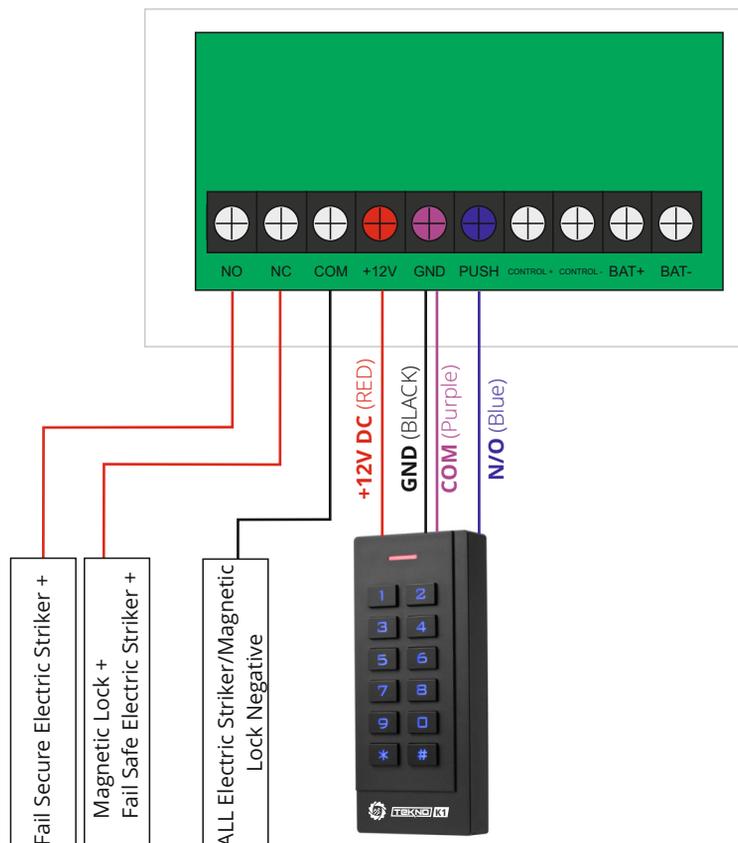
Electric Striker (Direct) FAIL SECURE/POWER **ON** TO UNLOCK

COM (Purple)

N/O (Blue)
Connects with
Red **+12V DC**

GND (BLACK)
also connects DIRECTLY to
the electric striker

GND (BLACK)

+12V DC (RED) | 12V DC Power Supply
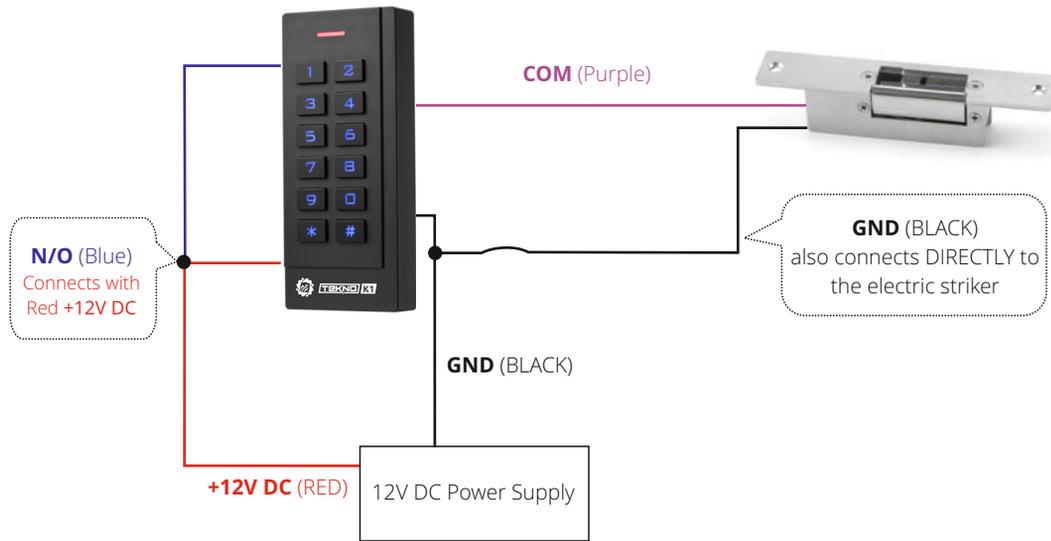
Electric Striker (Direct) FAIL SECURE/POWER **OFF** TO UNLOCK

COM (Purple)

N/C (Orange)
Connects with
Red **+12V DC**

GND (BLACK)
also connects DIRECTLY to
the electric striker

GND (BLACK)

+12V DC (RED) | 12V DC Power Supply

Exit Button

OPEN (Yellow)

N/O Button

GND (BLACK)
also connects DIRECTLY to
the exit button

GND (BLACK)

+12V DC (RED) | 12V DC Power Supply
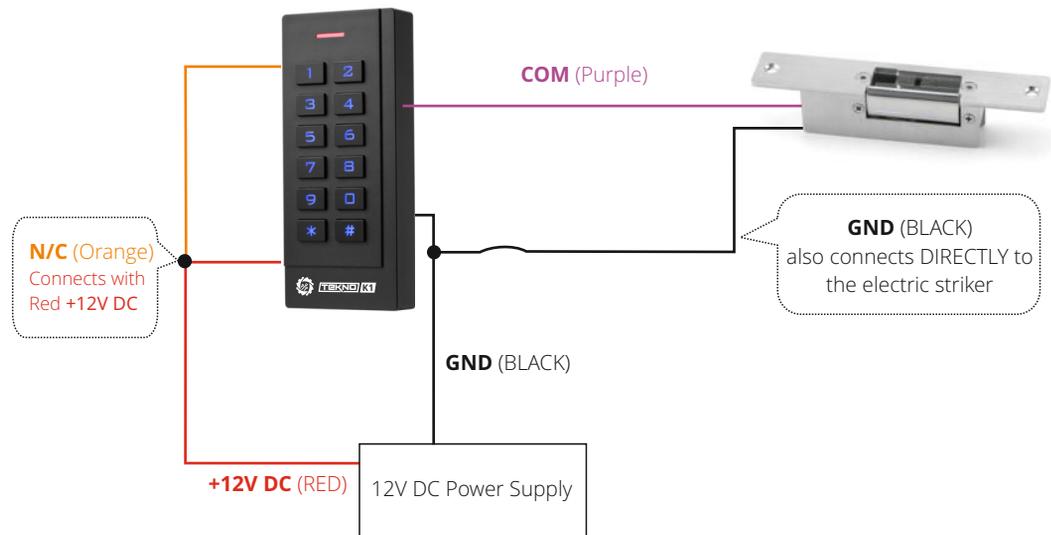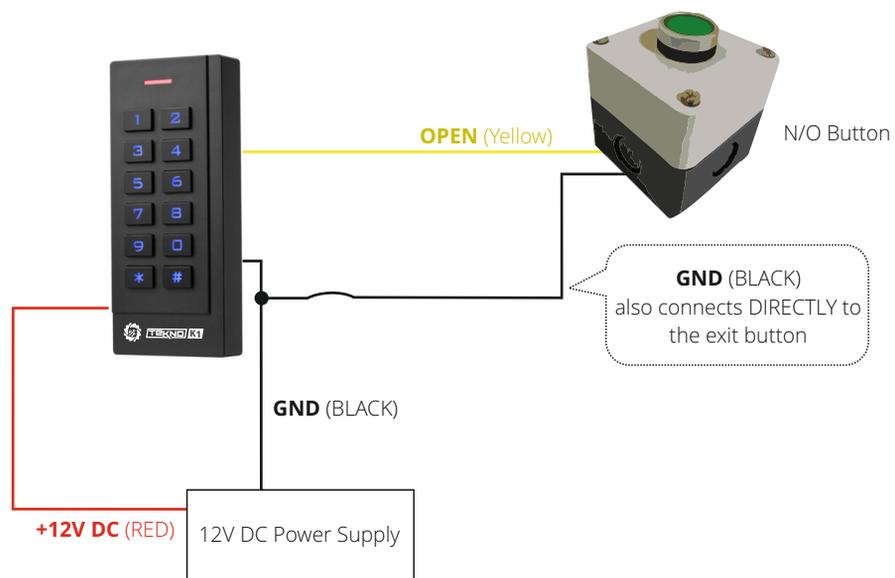
Download the TuyaSmart App on the Apple App Store or the Google Play Store

Then register your first user in the APP

Administrator User (Home Owner)

1

Select
"me"

2
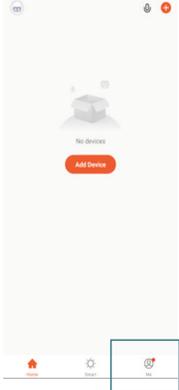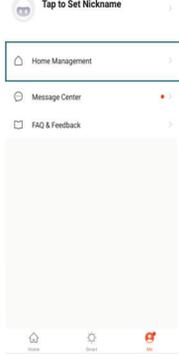
Select
"Home Management"

3

Select
"My Home"

4
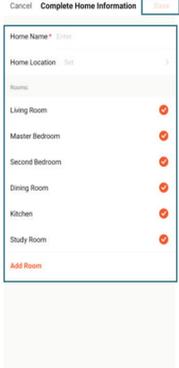
Fill in the information
then Save

Add the Keypad to the ADMINISTRATOR USER Account

1
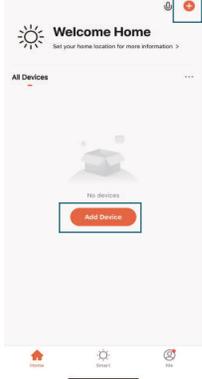
Select
"Add Device" or "+"
in the top right

2

Type ⟦*⟧ ⟦9⟧ ⟦9⟧ ⟦9⟧ ⟦9⟧ ⟦9⟧ ⟦#⟧ to access admin programming. If you have changed your admin code use it instead.

Type ⟦0⟧ ⟦8⟧ to set the Tekno K1 into Wi-Fi Pairing. The indicator will be flashing green.

3

4

If Wi-Fi and Bluetooth are turned OFF turn them ON and ensure you connect to your 2.4GHZ Wi-Fi Network.

The Tekno K1 will be automatically detected, Add the device.

5
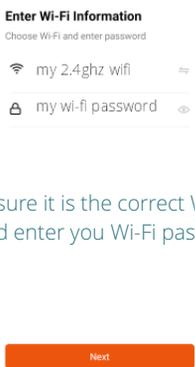
Ensure it is the correct Wi-Fi and enter you Wi-Fi password.

6
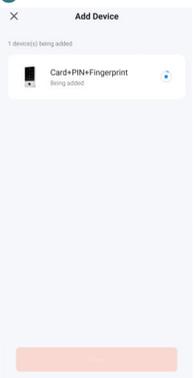
The device will be added the process can take up to two minutes.

If it failed, ensure the keypad is in excellent proximity to the Wi-Fi network and ensure the keypad was still in pairing (flashing green) when the add button is pressed.

Ensure any users to be added have installed the APP and registered an account. This will simplify the process and avoid complications.

1

Select
"me"

2

Select
"Home Management"

3

Select
"My Home"

4
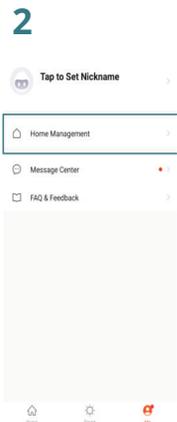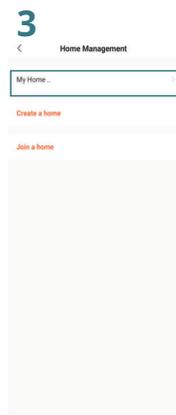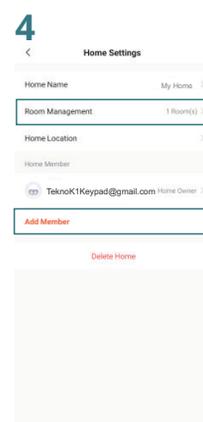
Select the shared rooms

Select "Add Member"

5
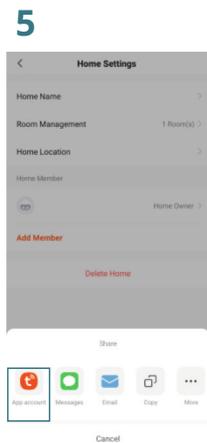
Select Tuya App Account

6
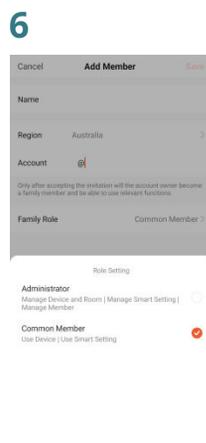
Input the registered users email and details.

Administrator
Total Control including unlocking and adding/deleting users

Common Member
Control over unlocking only

Press SAVE when complete

Warranty Terms and Conditions

The product is warranted for a period of twelve months (one year) from the date of purchase, unless expressly specified as extended warranty (extension to the warranty period). The product is to be installed for its intended purpose and for normal use as outlined within the installation manual, the product warranty is exclusively for defects in manufacturing and manufacturing workmanship. It does not cover out of guidelines use, natural or other disasters, abnormal weather conditions, damage incurred in shipping or handling, damage caused by disaster such as fire, flood, wind, earthquake, lightning, excessive voltage, mechanical shock, water damage, damage caused by unauthorized attachment, alterations, modifications, or foreign objects, damage caused by peripherals (unless such peripherals were supplied by Automation Systems Australia), defects caused by failure to provide a suitable installation environment for the products, damage caused by usage of the products for purpose other than those for which it was designed, damage from improper maintenance, damage arising out of any other abuse, mishandling, and improper application of the products.

At is discretion Automation Systems Australia will require the item determined by the support staff to be returned to base in it original unmodified condition for a warranty inspection if within the warranty period. A return authorization "RA" number will be provided to be enclosed with the product in question. The warranty will not cover freight fees to base, customs fees or any labour costs at the installation site but will cover repair or replacement of the product as seen fit. Automation Systems Australia will cover the freight of the returned item to the original address if deemed as a warranty repair or replacement item. Any warranty repairs or replacements continue to carry through the remaining warranty period and do not extend or restart the period.

Under no circumstances shall Automation Systems Australia be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property.

This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose). And of all other obligations or purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

Automation Systems Australia will at its option repair or replace out-of-warranty products at a determined cost which are returned to its base according to the following conditions. Anyone returning goods to Automation Systems Australia must first obtain an authorization number. Automation Systems Australia will not accept any shipment whatsoever for which prior authorization has not been obtained. Products which Automation Systems Australia determines to be repairable will be repaired and returned. A set fee which Automation Systems Australia has been predetermined and which may be revised from time to time will be charged for each unit repaired. Products which Automation Systems Australia determines not repairable will be replaced by the nearest equivalent product available at that time. The current market price for the replacement product will be charged for each replacement unit.