Operation Instructions

M-206TY Tuya type Waterproof IC+ID Card Access Keypad

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1 | **Specifications**

1-1. Technical parameters

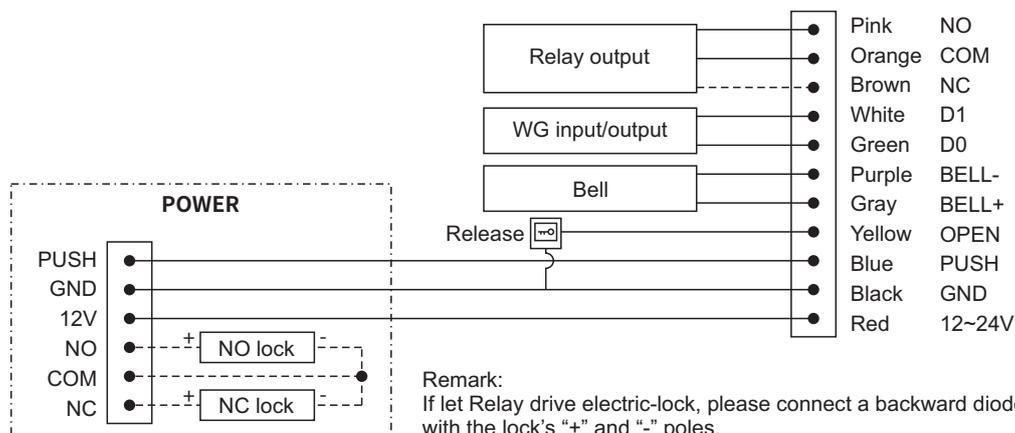|			
Operating voltage:	DC 12~24V	Storage:	10000 users
Operating current:	<100mA	Card type:	ID+IC dual band
Operating temperature:	-20°C~60°C	Reading distance:	1~10cm
Weight:	About 200g	Dimensions:	113x71x20mm

1-2. Factory Default

Authentication Mode: Card or Password(PIN)	Common PIN: None
Unlocking Duration: 5s	Programming Password: 123456

1-3. Light and Sound indicates

Light Description	Indicates
Red light flash every 2 sec(Slow flash)	Standby state
Green light flash every 0.5sec(Fast flash)	Pending further operation
Red light is always ON	Programming state
Green light is always ON	Unlocking state
Red and green light flash alternately	Restoring Factory Programming Password

Sound Description	Indicates
1 short beep	Valid input
3 short beeps	Invalid input
1 long beep	Programming state
3 long beeps	Restoring Factory Programming Password

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2 | **Wiring Diagram**

Pink	NO
Orange	COM
Brown	NC
White	D1
Green	D0
Purple	BELL-
Gray	BELL+
Yellow	OPEN
Blue	PUSH
Black	GND
Red	12~24V

Relay output
WG input/output
Bell
Release

POWER

PUSH
GND
12V
NO — NO lock
COM
NC — NC lock

Remark:
If let Relay drive electric-lock, please connect a backward diode with the lock's "+" and "-" poles.

3-1. Programming Guide(Programming Password Default: 123456):

Remark: All password can be 3~6 digits.

Programming Item		Press key and swipe card operations	Remark
Basic Function	Change Pro.PW	# Pro.PW # 0 new Pro.PW # new Pro.PW #	If Pro.PW lost, perform 3.2 to reset to Factory Default (123456)
	Add user card	# Pro.PW # 1 swipe cards #	If add series cards, swipe cards continuously
	Configure Common PIN	# Pro.PW # 21 new Common PIN #	Common PIN is only one, Unlocking method : Enter Common PIN then press "#"
	Delete all users	# Pro.PW # 40 0000 #	Delete all cards and PIN except Common PIN
	Delete user by swiping card	# Pro.PW # 41 swipe cards #	If delete series cards, swipe cards continuously
Expand Function	Add user by input User ID	# Pro.PW # 22 4-digit User ID swipe card #	Add user card or PIN by user's ID. User ID must be 4 digits and cannot be reused (3 beeps means reused and need to enter a new). If add series users repeat the operation. More about User ID see 3.3 (Personal Password User plus User Number A maximum of 1000 groups of users can be added)
	Add PIN	# Pro.PW # 23 4-digit User ID new PIN #	
	Delete user by User ID	# Pro.PW # 42 4-digit User ID #	
	Delete user by card No.	# Pro.PW # 43 card No. #	Card No. is 10-digit or 8- digit, device auto-identify
	Configure Unlocking Duration	# Pro.PW # 5 XX #	XX is 2-digit (00~99). If XX is 00, Unlocking Duration is 0.2s
	Configure Authentication Mode	# Pro.PW # 6 XX #	XX can be 01(only Card)/02(Card or PIN)/03(Card & PIN)
	Backlight setting	# Pro.PW # 8 XX #	XX can be 01/02/03 (Normal ON / Normal OFF / Auto)
	Reset Factory Default	# Pro.PW # 8 99 #	Except Programming Password and Manager Card

3-2. Initialize the programming password (123456) and add a management card

Step 1: Power off, short-circuit the OPEN line and GND line, and power on again, after 3 short beeps, red and green light flash alternately.

Step 2: Swipe two blank cards continuously with short beeps constantly. (the first card is "add card" and the second card is "delete card", if no Admin card is needed, this step can be ignored).

Step 3: Power off, disconnect the OPEN and GND lines, power on again, and complete the initialization of the programming password.

3-3. Use ID explanation

User ID is 4-digit number from 0001 to 9999. There is no User ID for the users added by command [1]. Perform command [40] to clear all User ID.

3-4. How to change PIN

Swipe card or press PIN to unlock within 5s press [#] for 3s until the green light flash fast, then press [new PIN # new PIN #], the new PIN changed successfully with a long beep.

3-5. Authentication Mode for Card & PIN function

Setp1, When Authentication Mode is [Card or PIN] (factory default), according to the step 3.4 to configure the PIN of the card.

Setp2, Press [# Programming Password # 603 #] to configure Authentication Mode to be [Card & PIN].

Setp3, Swipe user's card with green light fast flash then input [PIN #] with green light normally ON, the door opened successfully.

3-6. Door NO function description

After swiping the card or password to open the door normally, press the key 79 to keep the door open all the time; When the door in NO state, swipe the card, enter the password or press the exit button to open the door again, it will automatically exit the NO state.

3-7. Admin card usage

Add user card: In standby state, swipe"add card"→swipe user card→swipe"add card"

Delete user card: In standby state, swipe"delete card"→swipe user card→swipe"delete card"

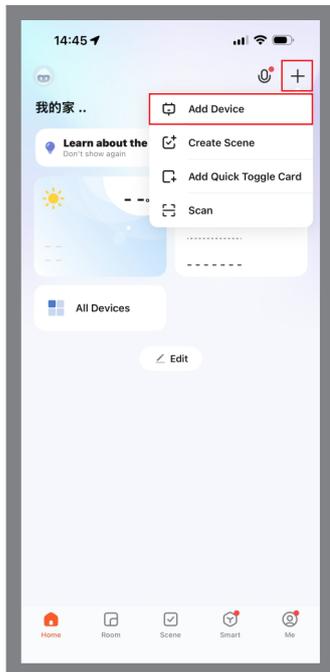Delete all user: In standby state, swipe"delete card"→swipe "add card"(a long beep)→swipe"delete card"

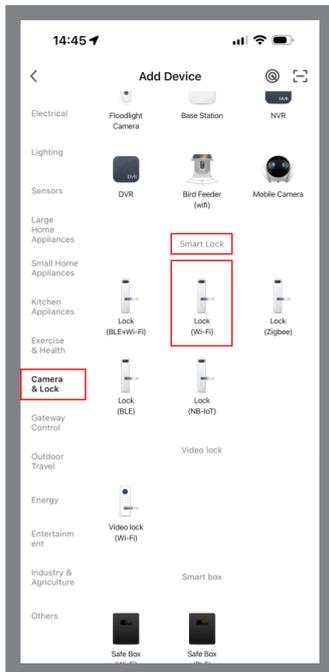Scan QR code or Search Tuya on APP store to download it. Register and log in to the APP.

Press # Pro.PW # 086 # on the access control keypad for WIFI matching (Factory default programming password: 123456).

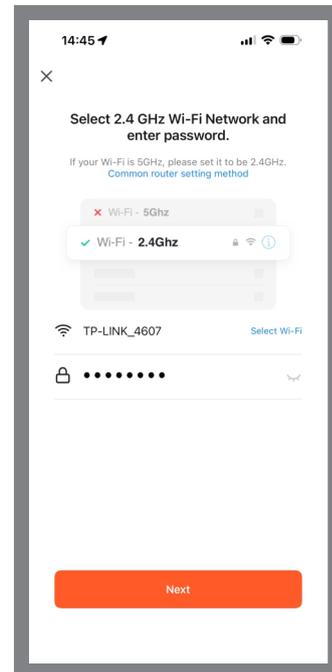Device keyboard indicator is blinking rapidly: network configuration mode activated.

Open the Tuya Smart app and your phone's Bluetooth. The app will automatically detect the device; tap "Add" to initiate pairing and connection, then proceed directly to Step 5 below. If the device is not detected, follow the steps below for manual pairing.
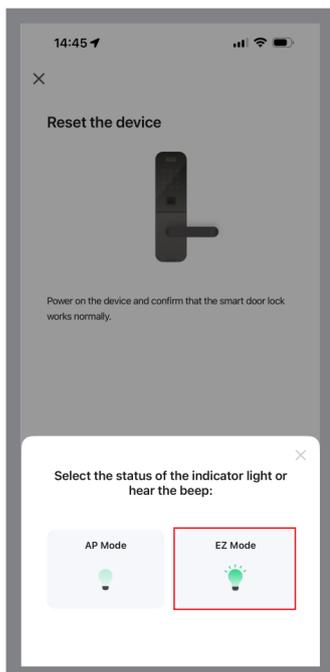
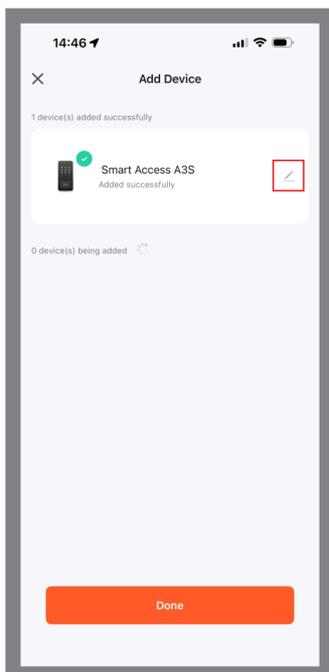Step 1: Tap "+" "Add Device" in the upper right corner.

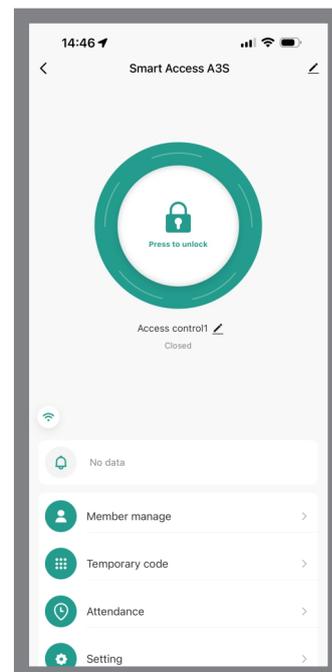Step 2: Under the "Camera & Lock" category, select "Lock (Wi-Fi)" from the "Smart Lock" group.

Step 3: Select a 2.4GHz Wi-Fi network, enter the password, and tap "Next".

Step 4: Tap "Confirm the indicator is blinking rapidly", select "EZ Mode", and the device will enter pairing mode.

Step 5: Device added successfully. To rename the device, tap the "✎" icon to edit, then tap "Done".

Step 6: Access the added device to manage the access control terminal and unlock remotely via your phone.