SXK-AC13

Tuya Smart WiFi Keypad & RFID Access Control

A physical key WiFi waterproof keypad & RFID access controller for residential gates, villas and small commercial entrances. Integrated with Tuya, it supports 500 mobile users and 10,000 on-board users (card / PIN users) and works with both iOS and Android.



User capacity	Card reader	Operating voltage	APP Control	Waterproof
10,000	EM 125KHz/13.56MHz Mifare (optional)	12V DC	Tuya app	IP66

Tuya APP

remote unlock | EM card 125KHz | Metal case, anti-vandal | IP66 waterproof

Product highlights

Tuya smart control. Remotely unlock the door and manage users from anywhere through the Tuya Smart or Smart Life app on iOS and Android. Add or delete users by app, check opening records and receive doorbell call notices.

Multiple access modes. Open by smartphone, EM card, PIN, Card+Pin. Set time restriction, temporary password (one-time or period code) and door keep open mode to fit residents, visitors and staff.

Rugged metal design. Zinc-alloy metal case is anti-vandal and waterproof to IP66. Backlit keypad with automatic backlight-off and a built-in light dependent resistor protect against tampering.

Technical specifications

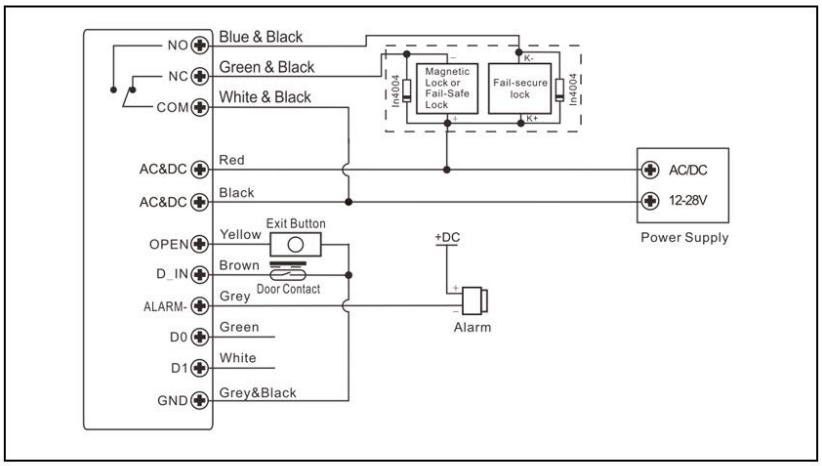
The WiFi version is integrated with Tuya and manages 500 mobile users in the app in addition to 10,000 on-board users (9,988 common + 10 visitor + 2 panic).

Parameter	Specification
Model	SXK-AC13
Product type	Tuya smart WiFi keypad & RFID access controller
User capacity	10,000 (9,988 common + 10 visitor + 2 panic)
Mobile users	500 (managed by Tuya app)
Access modes	Smartphone (APP), EM card/Mifare, PIN
PIN length	4~6 digits
Proximity card reader	EM card/ Mifare
Radio technology	125KHz/13.56MHz
Read range	2~6 cm
Operating voltage	12V DC
Idle current	≤60 mA
Active current	≤150 mA
Relay	One (NO, NC, Common)
Adjustable relay output time	0~99 seconds (5 seconds default)
Lock output load	2 Amp maximum
Wiegand interface	Wiegand 26~44 bits input & output (factory default: Wiegand 26 bits)
PIN output	4 bits, 8 bits (ASCII), 10 digits virtual number (factory default: 4 bits)
Wiring connections	Relay output, exit button, alarm, door contact, Wiegand input/output
Operating environment	Meets IP66
Operating temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Operating humidity	0%RH ~ 98%RH
Physical	Zinc-alloy
Color	Silver & black
Dimensions	117 x 70 x 22 mm (L x W x H)
Shipping weight	500 g
Gift box size	123x 93x 56mm

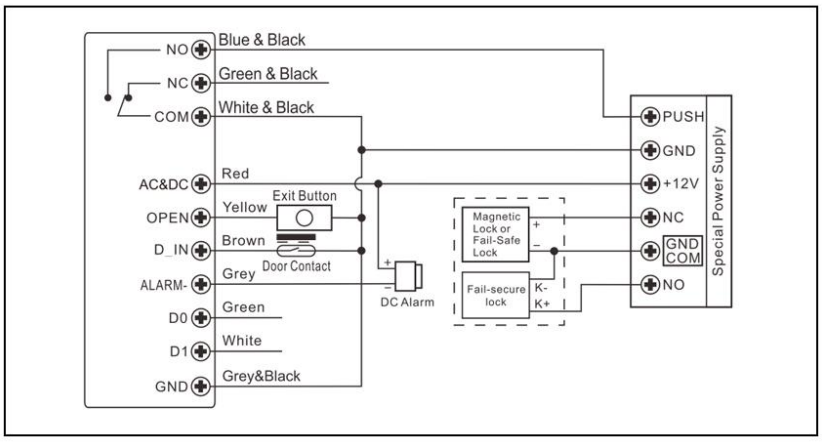
Connections and wiring

Wire the controller terminals according to the label on the unit and the supplied reference wiring diagram. The unit may be powered by a common power supply or a dedicated access control power supply.

Commmon Power Supply



Special Power Supply



Pin or pair	Function	Reference connection
D0	Wiegand data 0 input / output	Green
D1	Wiegand data 1 input / output	White
DC+	12V DC power supply positive	Red
GND	Power supply negative	Black
NC	Relay normally closed	Green & Black
NO	Relay normally open	Blue & Black
COM	Relay common	White & Black
OPEN	Exit button input	Yellow

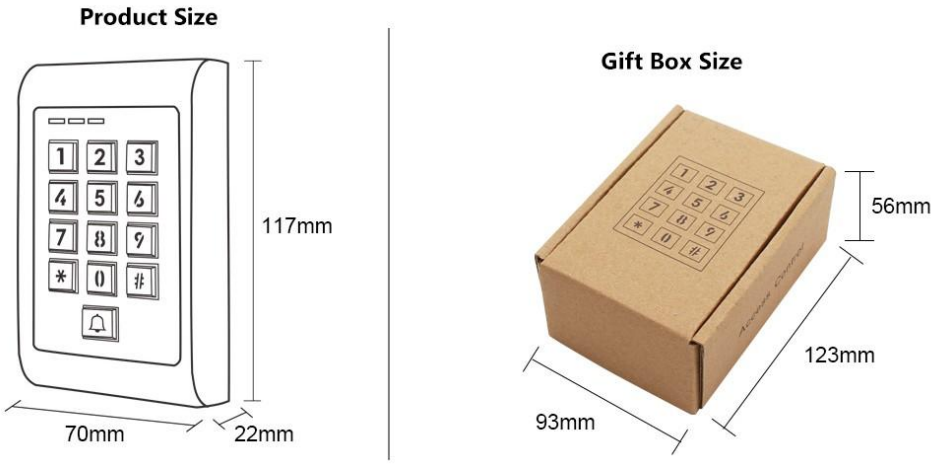
Pin or pair	Function	Reference connection
D_IN	Door contact input	Brown
ALARM-	Alarm output	Grey
Doorbell A	Doorbell terminal A	Brown & Black
Doorbell B	Doorbell terminal B	Yellow & Black

Power supply and lock connection

Use a 12V DC power supply rated for the connected load. For a fail-safe magnetic lock, connect the lock between DC+ and NC; for a fail-secure lock, connect it between DC+ and NO. Fit the supplied 1N4004 diode across the lock terminals, cathode toward DC+, to protect the relay contacts.

Size and packing

Product dimensions are 117 x 70 x 22 mm (L x W x H); the gift box measures 123 x 93 x 56 mm. Each unit ships with a 1N4004 diode, wall anchors, self-tapping screws (Φ4 x 25 mm), a screw driver and master cards.



Operation and commissioning

Pair the keypad with the Tuya Smart or Smart Life app, then add or delete users, set time restriction, temporary passwords (one-time or period code) and door keep open mode.

The doorbell key sends a call notice to the app. The backlit keypad switches off automatically after 20 seconds of inactivity and wakes on any key press.

Test the relay output, exit button, door contact and alarm output during commissioning. Power the unit only from the rated 12V DC supply.

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Specifications are subject to change without notice. Please confirm final configuration and certifications with our sales team before ordering.