微光互联
二维码扫描专家

KG300
User manual

Please read it carefully and keep it properly.

- ☑ Touch switch
- ☑ Support delay setting
- ☑ Relay output

Disclaimer

Before using the product, please read all the contents in this product manual carefully to ensure the safe and effective use of the product. Do not disassemble the product or tear up the seal on the device by yourself, or Beijing Vguang Internet Technology Co., Ltd. will not be responsible for the warranty or replacement of the product.

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Edit history

Change date	Version	Description	Responsible
2020.8.20	V1.0	Initial version	
2021.6.20	V2.0	Change dial switch logic	

Catalog

1. Preface

Thanks for using the KG300 switch device. Reading this manual carefully can help you understand the function and features of this device, and quickly master the use and installation of the device.

1.1. Product introduction

KG300 device is a switch product specially developed for the access control field. It provides relay interface and supports delay setting.

1.2. Product features

1，Output relay signal.

2，Support door opening delay.

3，Button status indicator.

4，White, black and gold colors.

5，Capacitive touch switch, tempered glass panel.

2. Product appearance

2.1. Overall introduction
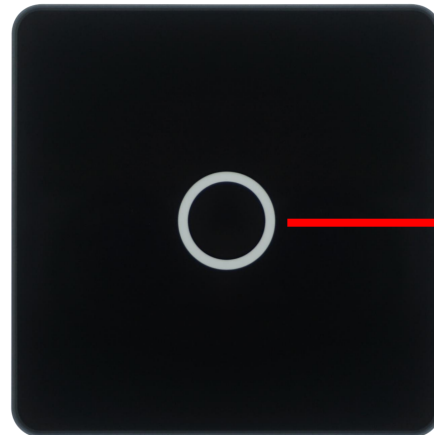
1，Touch area
2，White standby indicator
3，Green key indicator

2.1 Front view

Wiring interface

Dialing keyboard：
1:Delay 3 seconds
2:Delay 6 seconds
3:Set to turn on the long press effect
TIPS:
1:Close 1, 2 and 3, no delay effect
2:Open 1, close 2 and 3, delay 3S
3:Open 2, close 1 and 3, delay 6S
4:Open 1 and 2, close 3, delay 9S
5:Open 3, close 1 and 2, the effect of short press is determined by the first two digits of dial code, that is, short press without delay, long press 10s relay and green light on, and then long press 10s relay and green light off.
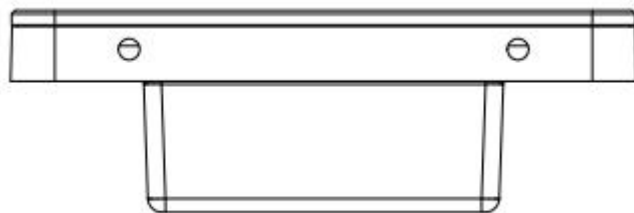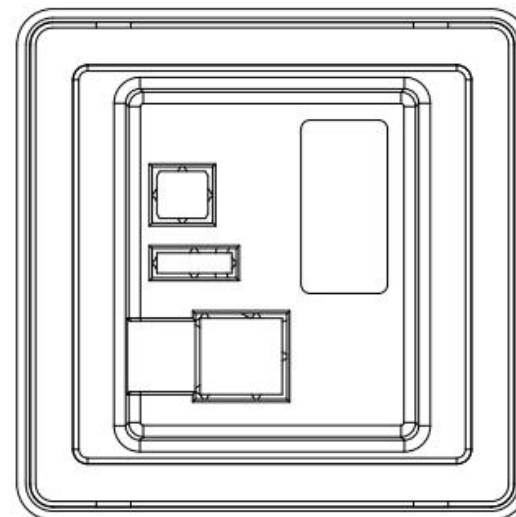
2.2. Product size chart
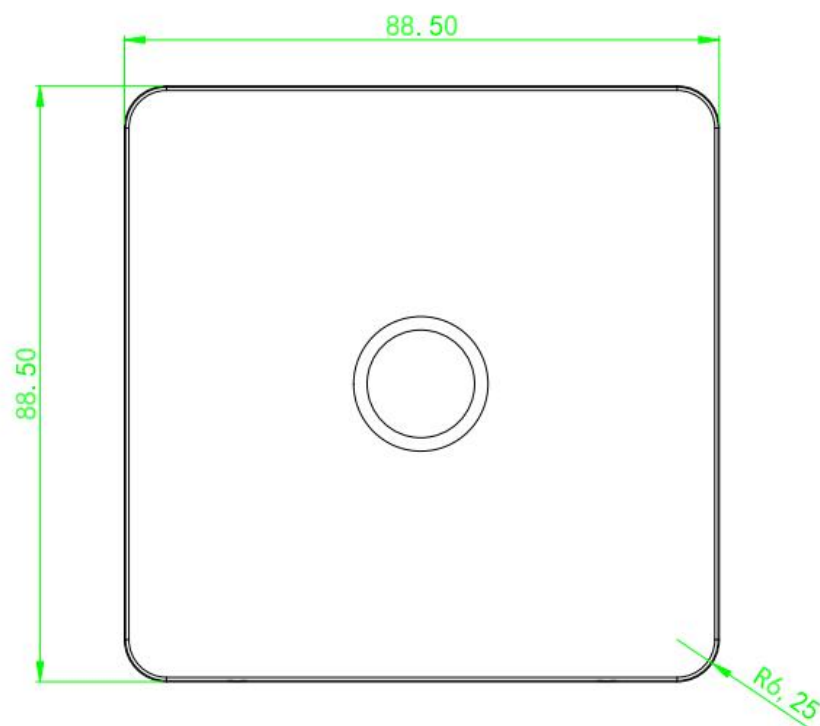
Front view
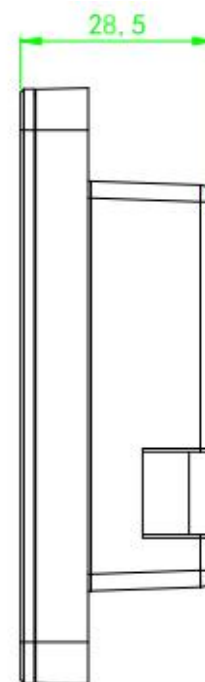
Side view

Side view

Back view

3. Product parameters

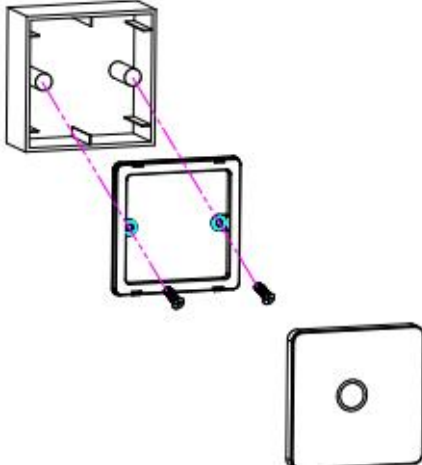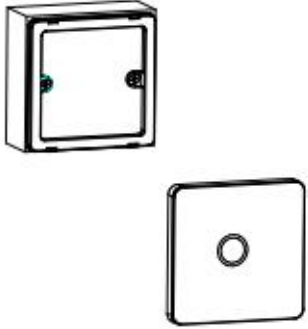| Product parameters	
Switch mode	Capacitive trigger mode
Touch area	15mm diameter
Size	88.2*88.2*28.7mm
Switching time	Optional: real time, 3, 6, 9 seconds
Support interface	Relay
Data wire	PH2.0-6Y
Indicate	LED white, LED green
Working current	12V(0.027A) （Rated voltage 12V~24V）
Installation method	86 box installation

4. Interface definition

Pin#	Function description
Pin1	GPIO（Temporarily not supported）
Pin2	COM
Pin3	NC
Pin4	NO
Pin5	VCC
Pin6	GND

5. Installation method

Step 1：Confirm that the removal hole is downward.	Step 2：Fix the bracket to the 86 box.	Step 3：Lock the bracket with two M4 * 20 cross countersunk head screws.	Step 4：Fix the product to the bracket.

6. Access control scenario application

6.1. Scene diagram

220V power supply

Electromagnetic lock controller

12V power supply

Electronic lock

Relay signal

KG300

Access control qr code scanner
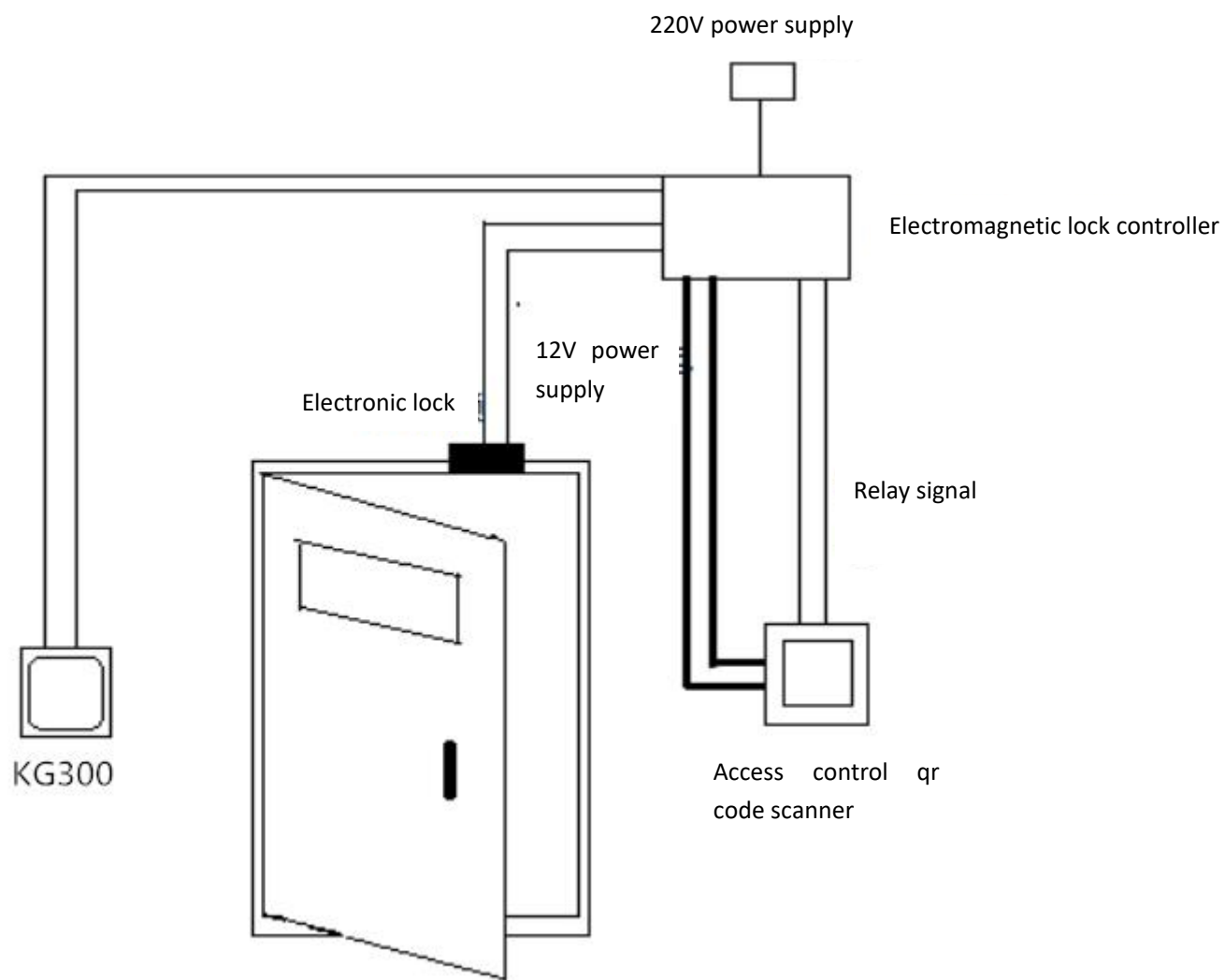
6.2. Access control system wiring diagram

Access control qr code scanner

| POW | GND | NO | COM | NC |

220V power supply

CONTROL
CONTROL
PUSH
GND
12V
COM
NC
NO

Access control power supply

KG300 switch

−12V
+12V

Electromagnetic lock
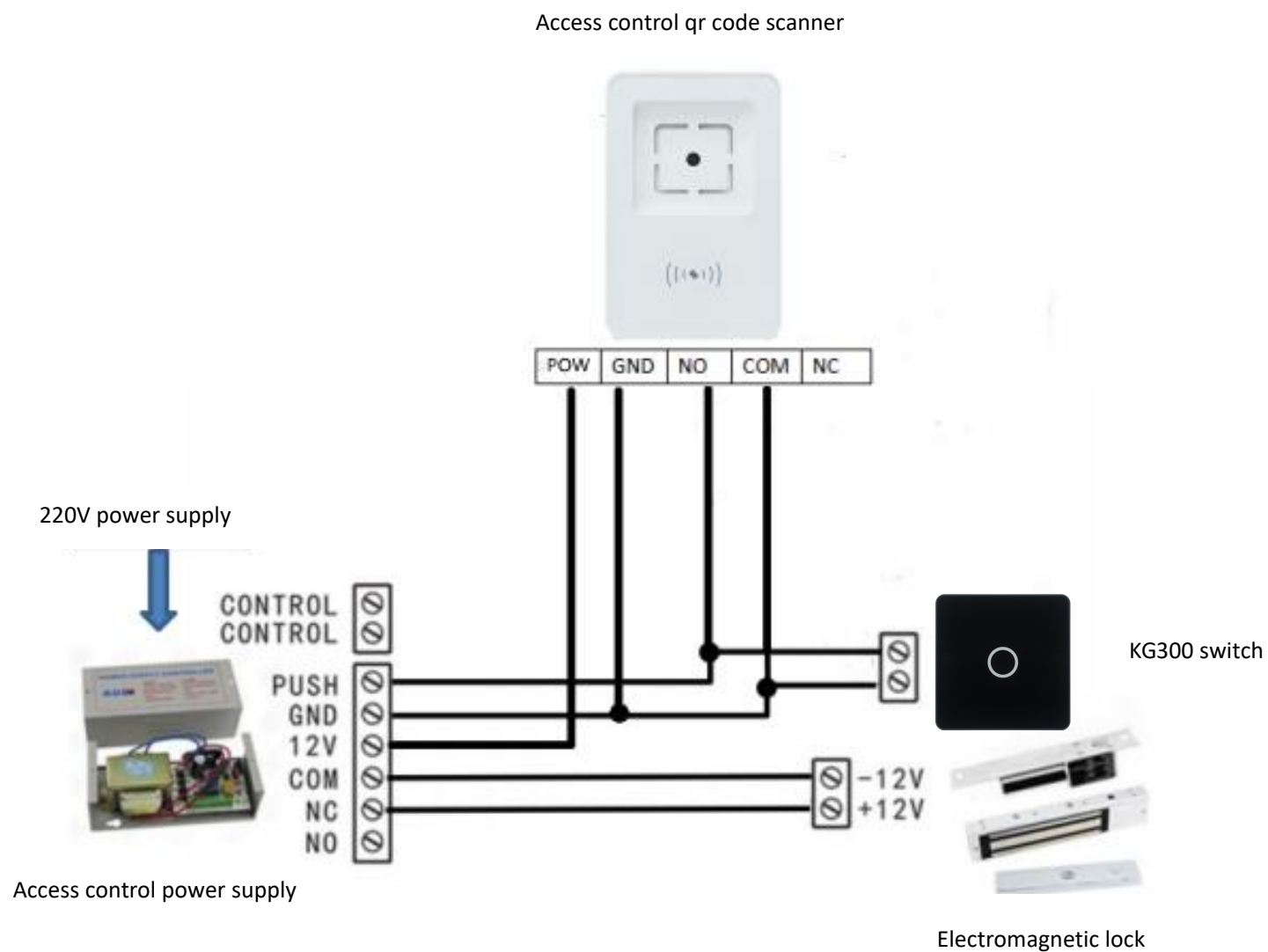
7. Notes

1，The device standard is 12-24V power supply, which can be taken from the access control power supply or supplied separately. High voltage may cause the device to fail to work normally or even damage the device.

2，Do not disassemble the device without permission, otherwise the device may be damaged.

3，Device wiring shall be firm and reliable. Insulation shall be ensured between lines to prevent short circuit from burning device.

4，KG300 outputs relay signals. In the access control scenario, it can be connected to the original access control system according to the normally open or normally closed connection method of the original access control system.

8. Contact

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