



**KINGDOM ELECTRONICS CC**

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Security & Access Control Equipment

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## **TECHNICAL PRODUCT BULLETIN**

### **Serial Capacitive Touch Keypad**

#### **Application**

- ▶ Secure access control for home or office.

#### **Specifications**

- ▶ 12v DC operation.
- ▶ Programmable Master code and 999 user codes.
- ▶ Programmable relay time.
- ▶ Power and relay status LED indication.
- ▶ Backlit keys.
- ▶ Decoder is a code hopping receiver as well.
- ▶ Built in 125khz RFID card reader.
- ▶ Physical size: 100mm x 70mm x 25mm.

#### **Wiring Diagram**

Three wire connection from keypad to separate decoder



#### **Installation**

- ▶ Connect to supply terminals.
- ▶ Connect keypad to decoder, use screened cable if electric fence is nearby.
- ▶ Connect relay contacts to gate motor trigger input.
- ▶ Program master, user and RFID codes.

KE02-003-A

## PROGRAMMING

### 5. Access control function settings:

#### 5.1 Enter and exit programming mode

Step1: Press #123456# LED lighting red and buzzer giving a short beep.

Step2: In Programming state input programming commands (See 5.2).

Step3: In programming state, press "bell" to exit.

Note: If there is no operation for 2mins, the system will exit programming state.

#### 5.2 Function setting

"0" key, modify the programming password:

Press 0 New password # New password again #

Note: programming password is 3~6 digits ( Default: 123456 )

"1" key, Load card users

Press 1 User No. read card # User No. is 4-digit: 0001~9999, and use to delete users.

Below we refer to user No. of "2" and "3" key are same.

Note: Read card continuously for logging on users continuously and exit by pressing #.

"2" key, Load password users

Press 2 User No. Access PIN #

Note: Access PIN is 3~6 digits. An access PIN also accounts for one user.

"3" key, Log on card + password users

Press 3 User No. read card Access PIN # When you add a user, each time you add a user successfully the buzzer gives a long beep . If you added failed the buzzer gives 3 short beeps . Failure may be due to: (1) User No. duplicates; (2) Card No. already exists; (3) store is full.

"4" key , delete the users

Press 4 0 0000 # Delete all users

Press 4 1 read card # Delete card user via reading card

Press 4 2 User No. # Delete card user via User No.

Press 4 3 input Card No. # Delete card user via input Card No. Note: Enter the left 10 digits of the card No.

"5" key, modify Unlock Signal Output Time

Press 5 XX # Note: "XX" is 2-digit: 00~99, Unit: second, "00" indicates moment unlock (0.2 seconds).

"6" key, set Open mode

Press 6 10 # Read valid card to open

Press 6 11 # Read valid card and enter Access PIN to open

Press 6 12 # Read valid card or enter Access PIN to open

Press 6 13 # As WG26 reader to use

"7" key, set Security mode

Press 7 00 # Turn off security function

Press 7 01 # Turn on security function(System would be locked for 5 Minutes when continue to (1) read illegal card 10 times or (2)read the valid card but enter wrong Access PIN 4 times or (3)enter wrong Access PIN 10 times).

Press 7 02 # Turn off Anti-Tamper alarm function

Press 7 03 # Turn on Anti-Tamper alarm function

"8" key, set Anti-Tamper, set backlight mode and restore factory settings

Press 8 01 # Backlight Normally Open

Press 8 02 # Backlight Normally Close

Press 8 03 # Backlight Automate: Backlight turn off in15 seconds if there are no operations.

Press 8 99 # Restore Factory settings.

### 5.3 Programming Password initialization method:

Step1 Turn off power and connect bin 2&3 of S1.

Step2 Turn on power and buzzer gives long beep Continuously.

Step3 Turn off power, disconnect bin2&3 and connect bin 1&2 of S1.

Step4 Turn on power again, the buzzer gives a long beep, Access controller initialization is completed. After initializing Programming Password default settings (123456), user data will not be lost.

### 6 User Open operation:

6.1 Read card to open (Open mode: Card, Card or Access PIN) In holding state read valid card, buzzer gives a short beep, LED lights green, Unlock signal outputs and door opens successfully.

6.2 Enter Access PIN to open (Open mode: Card or Access PIN) In holding state enter Access PIN #, buzzer gives a short beep, LED lights green, Unlock signal outputs and door opens successfully.

6.3 Read card and enter Access PIN to open (Open mode: Card + Access PIN) In holding state read card, buzzer gives a short beep, LED lights green with fast flash, then enter Access PIN # within 5 seconds, and buzzer gives a short beep, LED lights green, Unlock signal outputs and door opens successfully. Note: If buzzer gives 3 short beeps it indicates that the card or password is illegal and open failed.

6.4 Change Access PIN (Open mode: card+ Access PIN): After reading card and entering PIN to open the door, within 5 seconds, long press" #" until the LED lights green with fast flash. and then enter new Access PIN # repeat new Access PIN #, buzzer gives a long beep, Access PIN changed successfully.