



# TOUCH ONE-DOOR ACCESS CONTROLLER

## Model:YK-968

### TECHNICAL PARAMETERS

NO	ITEM	PARAMETER
1	Operating voltage	DC 12V±10%
2	Operating current	< 100mA
3	Dimensions	120mm x78mm x22mm
4	Weight	130g
5	Ambient temperature	-10℃—70℃
6	Relative humidity	20%—80%
7	Storage	1000 users
8	Card type (alternative)	EM(ID) card(IC card for option)
9	Card reading distance	1—15CM

### FACTORY DEFAULT SETTINGS

Programming Password	123456
Open Mode	Card or Access PIN
Output signal time	5secs
Backlight	Auto
Security function	Off
WG26Port	Input

### LED AND BUZZER INDICATES

Two-color LED: red and green

NO	LED STATE	ACCESS CONTROL STATUS
1	light red once every 1 sec (Slow flash)	Holding state
2	light red, N.O.	Programming state
3	light green within Open time	Unlocking state
4	light green once every 0.3sec (Fast flash)	Pending further action



**Built-in buzzer:**

Description	Status
1 short buzz	Valid input
3 short buzz	Invalid input
1 long buzz	Program success
Continuous long buzz	Restoring factory programming passwords

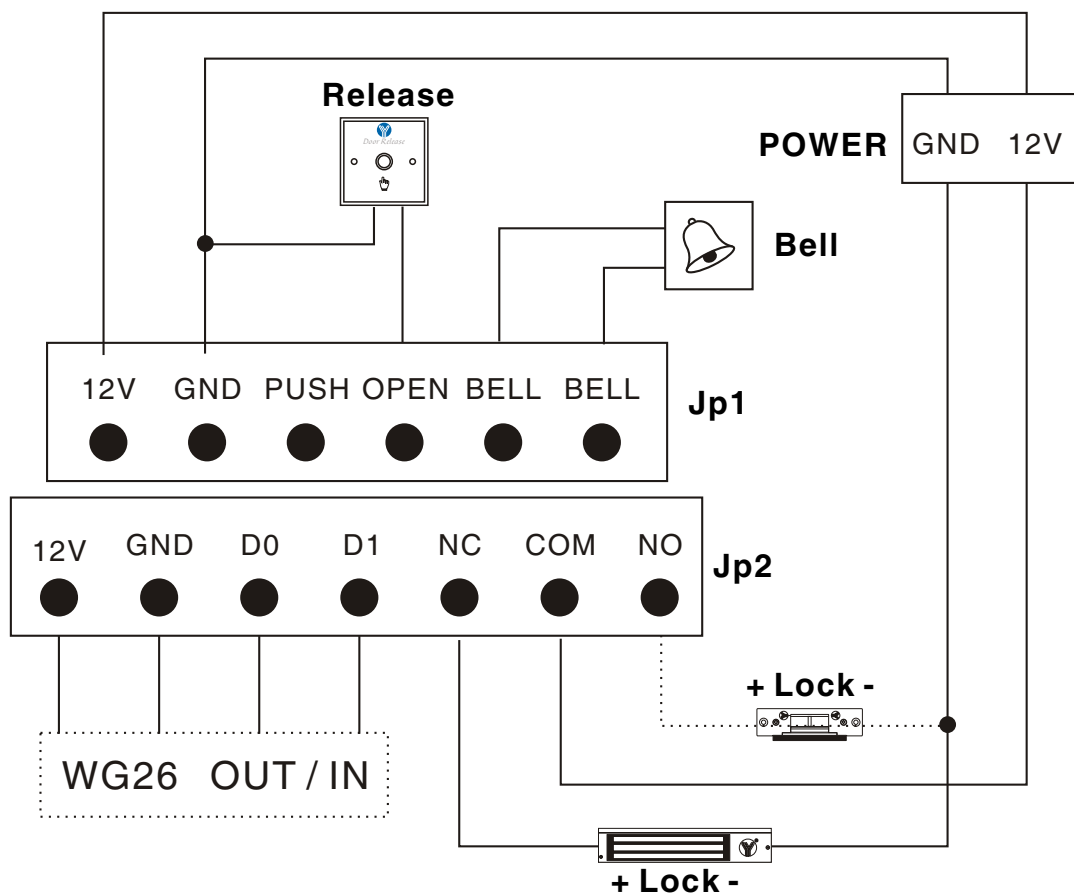
**INSTALLING WIRING DIAGRAM**

**Jp1**

PIN	COLOR	FUNCTION
+12V	Red	Power+
GND	Black	Power-
PUSH	BLUE	Low level output
OPEN	Yellow	Door Release
BELL	Grey	BELL
BELL	White	BELL

**Jp2**

PIN	COLOR	FUNCTION
+12V	Red	Power+
GND	Black	Power-
DATA0	Green	WG DATA0
DATA1	White	WG DATA1
NC	Brown	Relay NC output
COM	Blue	Relay Com output
NO	Purple	Relay NO output





## ACCESS CONTROL FUNCTION SETTING

### 1. Enter and exit programming mode

Step1: In holding state, press #123456#, access controller enter system programming state with LED lighting red and buzzer giving a short voice.

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

Step3: In programming state, press to exit.

Note: If there is no operation in 2mins system will exit programming state.

### 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, Log on card users

Press 1 User No. read card #

User No. is 4-digit: 0001~9999, and use to delete users.

Bellow 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, Log on 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 voice. If you added failed the buzzer gives 3 short voices. 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-dismantle alarm function

Press 7 03 # Turn on Anti-dismantle alarm function

"8" key, set Anti-dismantle, 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 in 15 seconds if there are no operations.

Press 8 99 # Restore Factory settings (Except Programming Password).

### 3. Programming Password initialization method

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

Step2. Turn on power and buzzer gives long voice Continuously.

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

Step4. Turn on power again, the buzzer gives a long voice, Access controller initialization is completed.

After initializing Programming Password restores Factory default settings (123456), user data will not be lost.



## LED AND BUZZER INDICATES

### **1. Read card to open (Open mode: Card, Card or Access PIN)**

In holding state read valid card, buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

### **2. Enter Access PIN to open (Open mode: Card or Access PIN)**

In holding state enter Access PIN #, buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

### **3. Read card and enter Access PIN to open (Open mode: Card + Access PIN)**

In holding state read card, buzzer gives a short voice, LED lights green with fast flash, then enter Access PIN # within 5 seconds, and buzzer gives a short voice, LED lights green, Unlock signal outputs and door opens successfully.

Note: If buzzer gives 3 short voices it indicates that the card or password is illegal and open failed.

### **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 voice, Access PIN changed successfully.