



# Touch One-door Access Controller



Model:YK-968

YLI ELECTRONIC

## 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

**Fast flash: light on 0.5sec,light off 0.5 sec    Slow flash:light on 0.1 sec,light off 0.1sec**

|   |  |
|---|--|
| Standby State   | Red light(SlowFlash)   |
| Unlocked state  | GreenLight(FastFlash)  |
| Read card to open<br>(Enter password then press "#")                    | ValidCard:Greenlightkeepson,1 shortbuzz<br>InvalidCard:3 shortbuzz   |
| Enter Access PIN to open  | Correct Password:Greenlightkeepson,1 shortbuzz<br>Incorrect Password:3 shortbuzz   |
| Card+AccessPin<br>(After Read card to enter Access Pin, then Press "#") | InvalidCard:3 shortbuzz<br>ValidCard:GreenlightFastflash<br>Correct Password:Greenlightkeepson,1 shortbuzz<br>Incorrect Password:3 shortbuzz |

**Programming operating state indication(Take the programming operating of adding Users for example)**

| Steps       | sound and light hint   |
|-------------|--|
| #           | GreenlightFastflash,1shortbuzz   |
| 123456#     | CorrectPassword:Redlightkeepson,1 shortbuzz<br>WrongPassword:3 shortbuzz                             |
| 1 Read Card | GreenlightFastflash:1longbuzz indicate can add cards,3 shortbuzz indicate can't add cards            |
| #           | Input correct:1longbuzz<br>Input wrong:3shortbuzz,Redlightslowflash,Meanwhile Exit programming state |

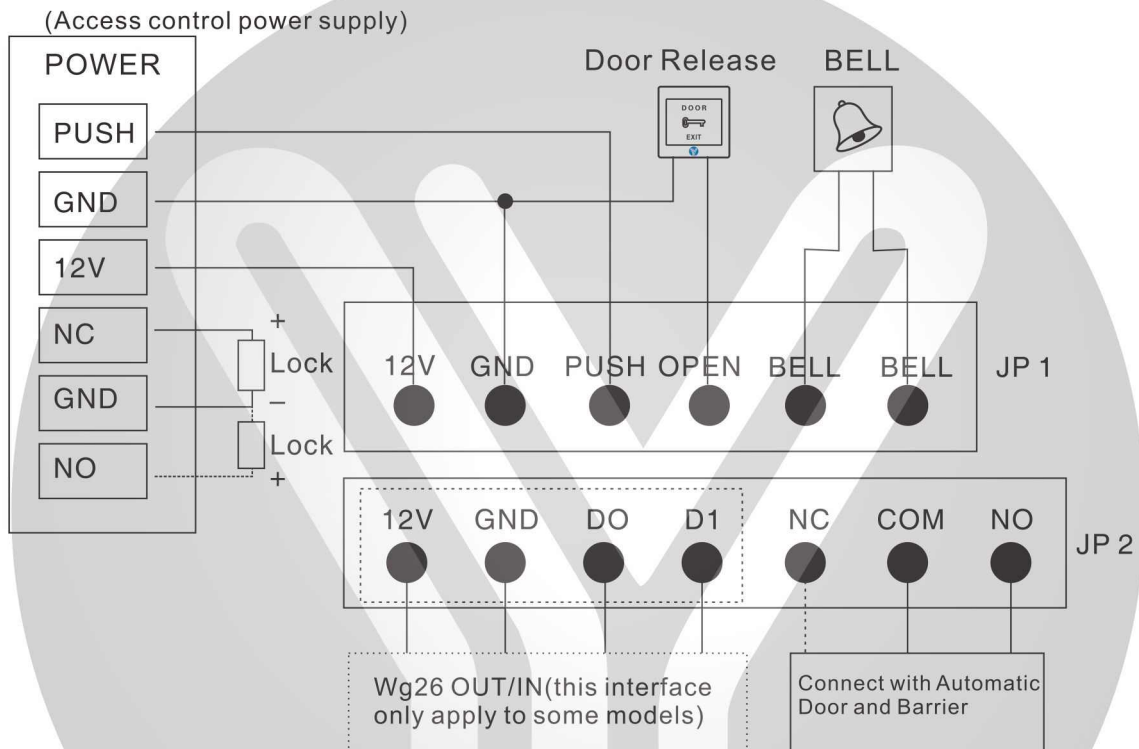
# INSTALLING WIRING DIAGRAM

## Jp1

| No. | SILKPRINT | COLOR  | FUNCTION        |
|-----|-----------|--------|-----------------|
| 1   | 12V       | Red    | DC12VInput      |
| 2   | GND       | Black  | Power           |
| 3   | PUSH      | Blue   | Low-leveloutput |
| 4   | OPEN      | Yellow | DoorRelease     |
| 5   | BELL      | Gray   | BELL            |
| 6   | BELL      | White  |                 |

## Jp2

| NO | SILKPRINT | COLOR  | FUNCTION       | NOTE                               |
|----|-----------|--------|----------------|------------------------------------|
| 1  | 12V       | Red    | DC 12VOutput   | Some models without this interface |
| 2  | GND       | Black  | Power          |                                    |
| 3  | DATA0     | Green  | WG dataline0   |                                    |
| 4  | DATA1     | White  | WG dataline1   |                                    |
| 5  | NC        | Brown  | RelayNCOutput  |                                    |
| 6  | COM       | Blue   | RelayComoutput |                                    |
| 7  | NO        | Purple | RelayNO Output |                                    |



## ACCESS CONTROL FUNCTION SETTING

Programming Operating Instruction: (The programming Code Factory Defaults: 123456)

|                  | NAME                                   | ContinualKey-Press(ReadCard)Operating  | NOTE  |
|------------------|--|--|---|
| Common operation | Modify programming Password            | #programming Password#0 New programming Password #Repeat the New programming Password# | LOST PASSWORD: according to the initial programming operation   |
|                  | AddUser                                | #programmingPassword#1ReadCard#  | Continual Read Card can add multiple Cards at one-time  |
|                  | Add(Modify)Public Accesspassword       | #programmingPassword#21New Password#   | Only can set one set of Public Access password: use password to access, input "password", then press #  |
|                  | DeleteAll User<br>DeleteUser(ReadCard) | #ProgrammingPassword#400000<br>#ProgrammingPassword#410000                             | This operation will delete all users, but will not delete Public Access Password<br>Continual Read Card can delete multiple Cards at one-time |

|                    |                                     |  |   |
|--------------------|-------------------------------------|--|---|
| Extended operation | Add personal Access Password        | #ProgrammingPassword#22NEW password#                                 | Can set up multiple sets of personal password:Accessed by Password,input password then press#   |
|                    | Add User Card(input Card Number)    | #ProgrammingPassword#23#Manual inputinitialcardnumber                | The Card Number can be the 10 digits in the blank space on the left side of the Card or the 8 digits on the right side of the card,the machine identify automatic |
|                    | Add User Card(Continual CardNumber) | #ProgrammingPassword#23#Manual inputinitialcardnumber Card Quantity# | The Card quantity must be 4 digits(input0020can add 20 cardsat one-time)  |
|                    | Add "Card+Password" User            | #Programming Password#3ReadCard NEWpassword#                         | Modify the corresponding password, please refer to the instruction of modifying corresponding personal Access password  |
|                    | DeleteUser(inputID No.)             | #Programming Password#42UserID                                       | The UserID must be 4 digits,for example 0001,0020,etc.Details shown in User ID Instruction  |
|                    | Delete User(input Card No.)         | #Programming Password#43 Manual input card number                    | The Card Number can be the 10 digits in the blank space on the left side of the Card or the 8 digits on the right side of the card,the machine identify automatic |
|                    | Delete User(input password)         | #Programming Password#44 Personal Access password#                   | Delete the corresponding User of this card ,and the corresponding Card number of this password will be delete as well   |
|                    | Delete all Password User            | #Programming Password#45 1111#                                       | All the User that only accessed by personal Password will be delete   |
|                    | Modify Relay unlocking time         | #Programming Password# 5 x x#  | "xx is 2 digits,Up to 99 seconds,if input 00,the Relay signal Instantaneous output(0.2sec)  |
|                    | Set the open mode                   | #Programming Password# 6 x x #                                       | "xx"can be 01(Read Card);02(Read Card or Password);or 03(Card+Password)   |
|                    | Cardreaderfunction                  | #ProgrammingPassword#604#  | Read card under this Mode ,WG Interface will output WG26 Signal,this product can be used as Card reader(only apply to some models)                                |
|                    | Set Security Function               | #Programming Password#7xx#   | "xx"can be 01 or 02(Security feature Close /Open)/03 or 04(Tamper alarm Close/Open)(only apply to some models)  |
|                    | Set Backlight Mode                  | #Programming Password#8xx#   | xx"can be 01(Light NC)/02(light NO)/03(Auto)(only apply to some models)   |
|                    | Reset machine factory Settings      | #Programming Password#899#   | All machine parameters will be restore to Factory default   |

## INITIALIZE THE PROGRAMMING CODE(123456)AND the Card SETTING MANAGEMENT

Step 1: Power off ,the RST(SI) wire jumper hat connect to 2/3 interface ,re-up electricity , 3 long buzz then the Green Light fast flash,the programming code restore to Factory default

Step 2:(If No need to manage Cards,This step can be omitted):Continual to read two blank Cards(the first one is Added Card,the second one is deleted card),Red light flash, continuous short buzz.

Step 3:Power off,wire jumper reconnect 1/2,re-up electricity,initialize programming code and managed card Adding finished

## THE USE OF MANAGED CARD

Add User Card : In the standby status,read added Card,then read the user Card want to add at the end ,read added Card to log out .

Delete User Card: In the standby status,read deleted Card,then read the user card want to delete,at the end read deleted Card to log out .

Delete all Users:In the standby status,read deleted Card,then read the added card,at the end to read deleted Card to log out .This operation will delete all users,include personal password user(not include public password)

## USER NO. INTRODUCTIONS

The machine default user ID is contained by 4 digits(for example,0001),add a user each time ,the user number will add 1 automatic,when remove a single user,this number will be emptied,will not influence the serial number of new added user(the new added user number will be the last added user number +1),after execute the delete all user command(the programming command 40 or use Managed Card),the user number will re-start from 0001.Public access password doesn't occupy the User Serial Number.

## MODIFY THE CORRESPONDING PERSONAL ACCESS PASSWORD OF CARD

Set the open mode as "Card+ Password",user read card then input password and press"#",open successfully within 5 sec,long press "#" until the green light fast flash,meanwhile,input new password # repeat new password #,1 long buzz,the corresponding personal Access password of this card is modified successfully.