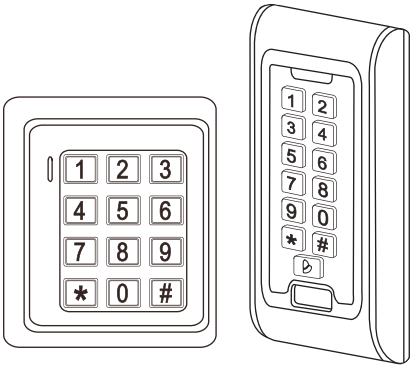


Single Door Standalone Access Control
User Manual



Reading this manual carefully before install and use the device

1. Packing List

Table with 3 columns: Name, Quantity, Remarks. Rows include Keypad (1), User manual (1), Rubber plug (2), Self tapping screws (2), and Diode (1).

Please ensure that all the above contents are correct. If any are missing, please notify the supplier of the unit.

2. Quick Reference Programming Guide

Table with 2 columns: Action, Instructions. Rows include: To enter the programming mode, To exit from the programming mode, Note that to undertake the following programming, the master user must be logged in, To change the master code, To add a PIN user, To add a card user, To delete a PIN or a card user, To unlock the door for a PIN user, To unlock the door for a card user.

1

3. Description

The unit is single door multifunction standalone access controller or a Wiegand output keypad card reader. It is suitable for mounting either indoor or outdoor in harsh environments. It is housed in a strong, sturdy and vandal proof Zinc Alloy electroplated case which is available in either a bright silver or matt silver finish. The electronics are fully potted so the unit is waterproof and conforms to IP68. This unit supports up to 2000 users in either a Card, 4 digit PIN, or a Card + PIN option. The inbuilt card reader supports 125KHZ EM cards, 13.56MHz Mifare cards. The unit has many extra features including lock output current short circuit protection, Wiegand output, and a backlit keypad. These features make the unit an ideal choice for door access not only for small shops and domestic households but also for commercial and industrial applications such as factories, warehouses, laboratories, banks and prisons.

4. Features

- Waterproof, conforms to IP68 (Can be selected)
- Full programming from the keypad
- 2000 users, supports Card, PIN, Card + PIN
- Can be used as a standalone keypad
- Backlight keys
- Wiegand 26 input for connection to external reader
- Wiegand 26 output for connection to a controller
- Adjustable Alarm time and Door Open time
- Very low power consumption (30mA)
- Fast operating speed, <20ms with 2000 users
- Lock output current short circuit protection
- Easy to install and program
- Built in light dependent resistor (LDR) for anti tamper
- Built in buzzer
- Red, Yellow and Green LEDS display the working status

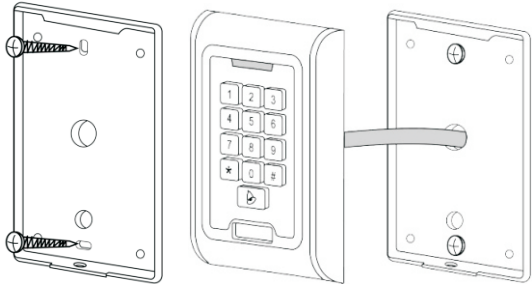
2

5. Specifications

Table with 4 columns: Specification, Value 1, Value 2, Value 3. Rows include: Operating Voltage (DC 12V-24V), User Capacity (2000), Card Reading Distance (2-5 cm), Active Current (< 60mA), Idle Current (25±5 mA), Adjustable Door Relay time (0-99 seconds), Adjustable Alarm Time (0- 3 minutes), Wiegand Interface (Wiegand 26 bit), Wiring Connections (Electric Lock, Exit Button, External Alarm, External reader).

6. Installation

- Remove the back cover from the keypad using the supplied special screw driver
- Drill 2 holes on the wall for the Self tapping screws and 1 hole for the cable
- Put the supplied rubber Plugs into the two holes
- Fix the back cover firmly on the wall with 2 Self tapping screws
- Thread the cable through the cable hole
- Attach the keypad to the back cover.

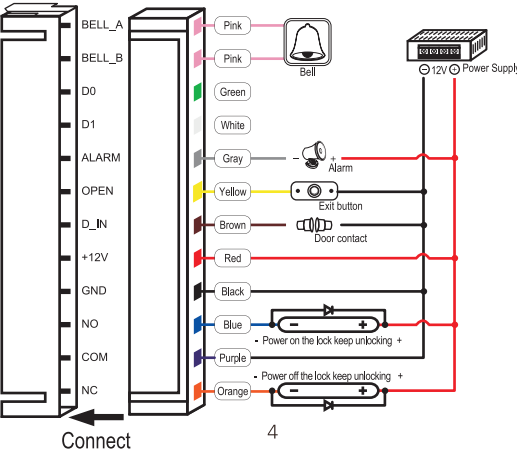


3

7. Wiring

Table with 3 columns: Colour, Function, Description. Rows include: Pink (BELL_A, Doorbell button one end), Pink (BELL_B, The doorbell button to the other end), Green (D0, WG output line D0), White (D1, WG output line D1), Gray (ALARM, Alarm negative(alarm positive connected 12V+)), Yellow (OPEN, Exit button one end(the other end connected GND)), Brown (D_IN, Magnetic switch one end(the other end connected GND)), Red (12V+, 12V + DC Regulated Power Input), Black (GND, 12V - DC Regulated Power Input), Blue (NO, Relay normally-on end(Connect positive electric lock "-")), Purple (COM, Relay Public end, connect GND), Orange (NC, Relay Closed end(connect negative electric lock "-"))

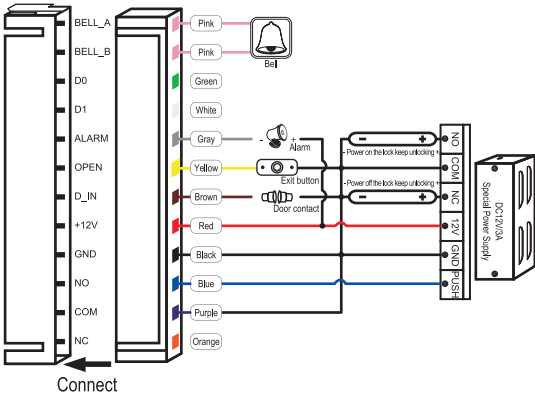
common power supply diagram



Connect

4

special power supply diagram



Connect

8. To Reset to Factory Default

Power off, press # continuously, then power on, release it after sounds tick twice, it means factory default setting is successful.

* Registered users won't be deleted when reset to factory default.

9. Anti Tamper Alarm

The unit uses a LDR (light dependent resistor) as an anti tamper alarm. If the keypad is removed from the cover then the tamper alarm will operate.

5

10. Sound and Light indication

Table with 5 columns: Operation Status, Red Light, Green Light, Yellow Light, Buzzer. Rows include: Power on (Bright), Stand by (Slow Flash), Press keypad, Operation successful (Bright), Operation failed (Bright), Enter into programming mode (Bright), In the programming mode (Bright), Exit from the programming mode (Slow Flash), Open the door (Bright), Alarm (Quick Flash).

11. Detailed Programming Guide

11.1 User Settings

Table with 2 columns: Action, Instructions. Rows include: To enter the programming mode, To exit from the programming mode, Note that to undertake the following programming the master user must be logged in, To change the master code, Setting the working mode, To add a user in either card or PIN mode, i.e. in the 3 2 # mode. (Default setting), To add a PIN user, To delete a PIN user.

6

Table with 2 columns: Action, Instructions. Rows include: To change the PIN of a PIN user, To add a card user (Method 1), To add a card user (Method 2), To add a card user (Method 3), To add a card user (Method 4), To delete a card user by card, To delete a card user by user ID, To delete a card user by card number, To add a card and PIN user in card and PIN mode, To Add a card and Pin user, To change a PIN in card and PIN mode, To change a PIN in card and PIN mode.

7

Table with 2 columns: Action, Instructions. Rows include: To add and delete a card user, To delete all users, To delete all users. Note that this is a dangerous option so use with care, To delete a Card and PIN user just delete the card, To unlock the door, For a PIN user, For a card User, For a card and PIN user.

11.2 Door Settings

Table with 2 columns: Action, Instructions. Rows include: Relay Output Delay Time, Door Open Detection, To disable door open detection, To enable door open detection, Alarm output time, To set the alarm output time.

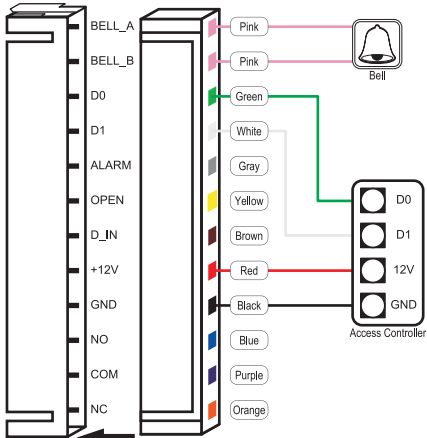
8

Keypad Lockout & Alarm Output options. If there are 10 invalid cards or 10 incorrect PIN numbers in a 10 minute period either the keypad will lockout for 10 minutes or both the alarm and the inside buzzer will operate for 10 minutes, depending on the option selected below.

Table with 2 columns: Option, Setting. Rows include: Normal status: No keypad lockout or alarm (factory default), Keypad Lockout, Alarm and inside buzzer operate, To remove the alarm, To reset the Door Forced Open warning, To reset the Door Open Too Long warning.

12. The unit operating as a Wiegand Output Reader

In this mode the unit supports a Wiegand 26 bit output so the Wiegand data lines can be connected to any controller which supports a Wiegand 26 bit input.



Connect

9