CK138 Single-door controller user manual [Ver 2.5]

Product Description:

This single-door controller is a series of independent ones that are developed for the control of exits of office building, intellectual building, residential area, public channel of building, through which user can open door with respondent card, can open with pass code or can with both respondent card and pass code, then a simple door controller system solution program is made. Product character:

working voltage: DC 12V

unlock current: ≤1.5A

static current: ≤1A

available card quantity: 800 pieces

Maximum card-read distance: 15cm-20cm

RF card type: EM or EM compatible card

working temperature: -40℃～70℃

working moisture: 10%～90%

size: 117×117×21mm

Special attention:

1. please strictly do per user manual.
2. please don't do with power on! Need pay more special attention on anode and cathode.

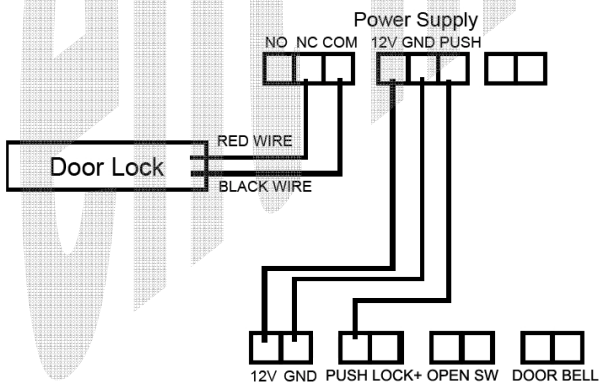
How to assemble:

Unpack cross-screw that fixes faceplate and motherboard, then take off motherboard and get it assembled on side wall which is at the exit, with attention on vertical orientation.

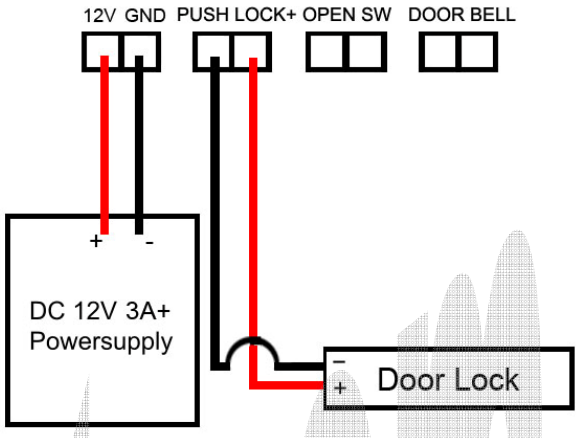
alert: 1. please ensure to switch off power before connecting lines and switch on power after all lines being connected well! Please be sure that power voltage is 12v and that anode& cathode are in place!

circuit diagram:

If you have a specific power supply with timer control, please connect it as below diagram:



If you have normal DC 12V Power supply only, please connect it this way:



1. 1st pin connects power anode+12V and 2nd pin connects cathode, attention: Anode and cathode must not be wrongly connected, or controller is burnt.
2. 5th and 6th pins connect switch, and 7th and 8th pins contact door bell without different between anode and cathode.
3. to keep door controller work steadily, please don't connect electric lock directly with controller.

programming setup way:

original management pass word is 12345 and user password is 8888.

1.enter programming

push*=>input management pass word=>push#

2 function setup(under programming circumstance)

(1) modify management password:

push 0=>input new management password =>push#=>

again input new management password =>push#

note: password is 1-10 digital number.

(2) add user card

Method 1:

push 1 =>read card =>push#

note:.

if need add more than 1 card, needn't re-input 1 and directly read card, then finally push # button .

Method 2:

Push 1 => Input 10 digits card / keyfob number => push #

Note:

This 10 digits unique number should be printed on the card or keyfob. (Input the first 10 digits if the number you found is more than 10 digits)

Method 3:

Read "Master Card for adding" => read new card => read "Master Card for adding" again

(3) 4 ways to delete user card

A. Delete all user card: push2=>push0000=>push #

B. Delete the card read: push2=>read card=>push#

C. Delete lost card: push2=>10 digits card / keyfob number =>push#

D. Read "Master Card for erasing" => read card => read "Master card for erasing"

(4) setup for open mode

A. Open with reading valid card: push 300=>push#

B..Open with reading valid card and password: push 301=> push#

C. open with reading valid card or entrying correct password: push302=>push#

note: original setup is 302 for reading valid card or input password to open door.

(5) setup for open door time

push4=>X X=>push#

note: XX is during 00-99, measure unit is second and origin is 3 seconds, and 0 is added for less than 2 digitals.

(6) how to modify use password

push 5=>input 1 new password with 1-10 digit number=>push# =>again input 1 new password with 1-10 digit number=>push# to save

(7) Save setup and exit from programming

push button * to save

note: above any setup after completing must be saved within 1 minute by pushing *

how to use:

open by card: under normal working environment, door can be opened with 1 valid card.

open by card and password: door can be opened if correct password is input 10 seconds after card is read.

open by password: door can be opened by inputting user password.

Attention: the door controller supports 3 modes, opening by card, by password and by card and password.

description for setup of jumper wire:

1. J1 jumper wire:

2nd and 3rd pins of J1 are connected and PUSH exports the signal of keeping open, with N.O as default.

1st and 2nd pins of J1 are connected and PUSH exports the signal of keeping close.

2.J2 jumper wire

2nd and 3rd pins of J2 are connected and PUSH exports GND low voltage signal, with GND as default.

1st and 2nd pins of J2 are connected, PUSH exports 12V high voltage signal.

Note: in general, please don't change the jumper wire setup.

Factory Reset procedure for door controller:

1. switch off power and keep pushing RESET(holding it)

2. switch on the power and press RESET for 3 seconds, then unhold it and reset procedure is completed.

Status: the door controller goes into working status with 1 sound of buzzer.

Note:

1. This procedure only change system password to default programming password, 12345, and user password 8888, others remain the same.

2. normally please don't use initialization back to default unless user forgets password.

Setting "Master cards":

1. switch off power and keep pushing RESET(holding it)

2. switch on the power and remain holding the RESET button.

3. Read 2 cards

4. Unhold the Reset button. You will hear a "beep" sound.

Note:

The first card would be "Master card for adding", while the second card is "Master card for erasing".

Packing list:

access controller	1 set
User manual	1 piece
Plastic insert for fixed and screw	1 bag

Attachment 1: description for signal light

issue type	red light	green light
Normal working circumstance	glitter once per second	
read valid card/correct password, unlock		light
open door and push button, then unlock		light
wrong password	Light	
invalid card	Light	
entry valid button	Light	
alert to prevent from unpacking	Glitter	
programming status	Light	glitter quickly
entry correct programming code	Light	light
entry wrong programming code	Light	

Attachment2:description for buzzer sound

issue type	buzzer
normal working status	
read valid card/correct password, then unlock.	2 short- toot
open door and push button, then unlock	1 short-toot
wrong password	1 short toot, then 1 long toot
invalid card	1short toot, then 1 long toot
entry valid button	sort toot
programming status	2 short toots
entry correct programming code	2 short toots
entry wrong programming code	3 short toots