

# C10 Metal Access Controller

## User Manual



Read this manual carefully before install and use

## 1、Product synopsis:

Thank you for purchasing metal standalone access controller /Card reader, This product adopts is a touching, induction card to open the door of the entrance guard all-in-one, there are many features as follow:

- 4 options: ID Style, IC style, non-waterproof style, waterproof style optional (transparent silicone glue process, meet the IP68 international waterproof level.)
- All-metal case design(Zinc alloy).Organic glass faceplate(Acrylic touch screen).
- The latest lacquer that bake technique for super oxidation bleaching.
- Can be used as card reader or standalone access controller.
- 8000 user capacity for storing and reading to provide a powerful security,
- the high-grade built-in microprocessor with strong anti-interference ability, high safety and reliability.
- Data copy and backup to the same series of access control.
- Humanized tamper alarm function.
- Wiggins: WG26/34 input and output. port,
- Can set up management cards(Deleted card and added card)
- 3 way to open the door: password, credit card, card +password.
- Active and passive lock signal output.
- extending function:external memory, tamper alarm, extended voice etc.
- Imported double point relay output signal port.

## 2、Function characteristics:

“ 0 ”	Modify programming code and set master card
“ 1 ”	Add card type user
“ 2 ”	Add password type user
“ 3 ”	Add password & card type user
“ 4 ”	Delete single user
“ 5 ”	Delete all user
“ 6 ”	Modify users password
“ 7 ”	Modify delayed open door
“ 8 ”	System initialization
“ 9 ”	Set general opening password, add and delete card
“ * ”	Press "*", enter "123456#" or swipe systematic Master card directly get to <b>programming mode</b> .

### 3、technical parameters

No.	specification	parameter
1	Appearance size	126.5*54*21 mm
2	Weight	0.5 Kg/Pcs
3	Color	gold, silver, Champagne, red bronze, green bronze
4	reading distance	5-10cm
5	working temperature	- 20 °C-- 70 °C
6	working humidity	0-95%
7	Static electricity	≤50mA
8	Open time	0-255 s (adjustable)
9	working voltage	DC 12 V
10	static current	50mA

### 4、function setting method

#### 4.1 the factory default Settings

The initial opening password **7890**, programming code **123456**.

#### 4.2 quick operation Settings

Press

(1), Swipe the main card, enter the programming system state

(2), Swipe added card, enter the add user state

(3), Swipe deleted card, enter the delete user state

#### 4.3 modify the programming code and set up the master card

A、Press

Note: A beeping said succeed (password length for 1-8)

B、Press

Note: A beeping said setting the main card successfully.

#### 4.4 add card type users

Press

Note: The four user id is **random**, user id automatically add 1 when continue read card.

#### 4.5 add password type users

Press

Note: four user id (For example:1 enter 0001), the user password length for 0-8;A beeping Said add user password type user operation is successful,you can add password type user continuously with continue to input the user id.

( when opening the door,please input user id and user password end with[#] )

#### 4.6 add card + password type users

Press [#] [Programming code] [#] [3] [Four user id] [Four user code] [#] [swipe card]

A beeping said add card + password user operation is successful, you can add card + password type user continuously with continue to input the user id.

(opening the door process: First swipe card, Second a green light flashing, Third input user password ends with [#] )

#### 4.7 delete a single user

Press [\*] [Programming code] [#] [4] [Enter the user id or credit card] [#]

Note: It can be operated continuously in the condition of programming.

#### 4.8 delete all users

Press [\*] [Programming code] [#] [5] [input Programming password or credit card] [#]

Note: A beeping said delete all user operation is successful.

#### 4.9 modify the user password

Press [\*] [Programming code] [#] [6] [Four user id] [4 new password] [#]

Note: It can be operated continuously in the condition of programming.

#### 4.10 modify the door delay time

Press [\*] [Programming code] [#] [7] [Enter delay time] [#]

Note: The delay time is 0-255 seconds, The default is 3 seconds.

#### 4.11 System initialization

Press [\*] [Programming code] [#] [8] [Enter programming code or swipe master card] [#]

Note: A beeping said initial success, that clear all Settings.

#### 4.12 set management card (increased card & deleted card)

Press [\*] [Programming code] [#] [9] [swipe card]

A, the first one is to set increased card, the second is to set deleted card.

B, this feature is convenient to increase & delete user's card.

C, press [\*] to active increased card adding users or deleted card removing users

#### 4.13 set up the general password to open the door

Press [\*] [Programming code] [#] [9] [Enter 4 password] [#]

#### 4.14 Exit programming

Press [\*] to exit programming,automatically quit after 10s no operand instruction.

#### 4.15 Tamper alarm closed and opened

A,Cancel the alarm:enter [password] to cancel the alarm temporarily;

B, Close the Tamper alarm function:  3 times.

C, Open the Tamper alarm function:  3 times.

## 5、Jumper Settings of access controller

### 5.1 J1 of active and passive output signal Settings:

When  &  connected,    used as the switch quantity output signal,

When  &  connected, shorting circuit  &  as the active output signal.

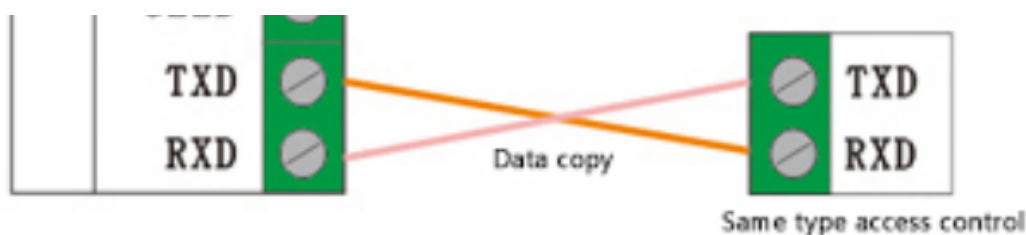
### 5.2 J2 of RESET Settings:

Short circuit J2, then power on the controller can initialize the programming code.

(Note: RESET Settings won't wipe data)

## 6、Date copy

- 1<sup>st</sup>,  connect ,  connect  to the same type access control,
- 2<sup>nd</sup>, Press copy code    to the main access controller which with date,
- 3<sup>rd</sup>, The green light flashing on both of the access controller, it means Successful operation.



## 7、Transformation between Access controller and card read

### 7.1 Access control model (Initial setting is access control model):

- 1<sup>st</sup>  connect to , 2<sup>nd</sup> power on the machine,
- 3<sup>rd</sup> The green light flashing (don't waiting until it alarm), disconnected  &
- 4<sup>th</sup> A alarm sound means the machine convert to access controller.

### 7.2 Card reader model (WG26 output):

- 1<sup>st</sup>,  connect to , 2<sup>nd</sup> power on the machine,
  - 3<sup>rd</sup> The green light flashing (don't waiting until it alarm), disconnected  &
  - 4<sup>th</sup> A alarm sound means the machine convert to WG26 card reader.
- In card reader condition, enter   to open the door.

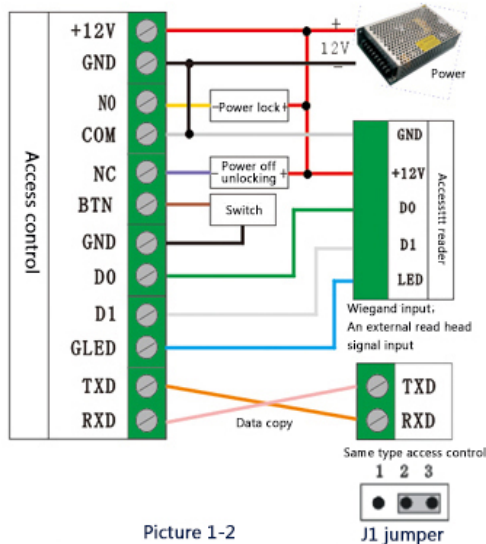
### 7.3 Card reader model (WG34 output):

- 1<sup>st</sup>,  connect to , 2<sup>nd</sup> power on the machine,
- 3<sup>rd</sup> The green light flashing (don't waiting until it alarm), disconnected  &
- 4<sup>th</sup> A alarm sound means the machine convert to WG34 card reader.

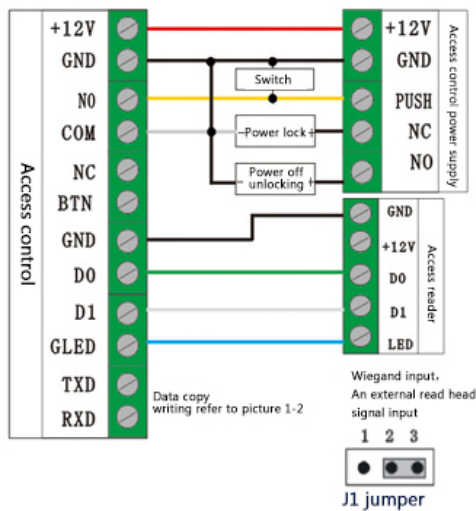
## 8、wiring diagram

Please refer to the wiring diagram as the follow picture.

2.General power supply wiring diagram



3.special power supply wiring diagram



4.Connection description

Red	+12V	Positive power
Black	GND	Negative power
Yellow	NO	Normally open relay output
Gray	COM	Public relay port
Purple	NC	Normally closed relay output
Brown	BTN	switch
Black	GND	Negative power
Green	D0	Reading head signal-D 0
White	D1	Reading head signal-D 1
Blue	GLED	Reading head signal-LED
Orange	TXD	Data copy
Pink	RXD	Data copy

### Access control jumper settings:

(1) J1: Active and passive output settings: when 1 and 2 are connected with COM, NO, NC as the switching signal output. (Note: connect the J1 1 and 2 when there is a auto-door, and then connect the COM and NO access to the port of the auto-door. (2) J2: RESET is set, after short circuit J2 power, you can initialize the programming code. (Note: the initialization will not clear the personnel data).

### Data copy operation:

Cross connecting the main access of TXD and RXD to the same model access of the RXD and TXD, and then enter the copy password in the main access control, access control two sets of red and green indicator light flashing at the same time, wait until the "drop" sound after the completion of data copy, (Note: copy password please consult your dealer or distributor)

## 7、Warm prompt:

- \* please do not to repair the machine.if any problem, please return to factory.
- \* before installation on the wall, if you want to punch, please check wiring and line pipe carefully for unnecessary trouble, etc. When drilling or fixing clamp please use safety glasses.
- \* It is without prior notice if instruction is likely to be different for product upgrades.