

CRD-200WK Operation Guide

General Introduction:

CRD-200WK is a Standalone or PC on line Access Reader. Its maximum card capacity is 15,000 and maximum history record is 8,000. Each card could save one set of 4 digits personal ID.

The special operation for CRD-200WK is user can uses Smart Phone Instead of card, so all the operation in this manual for Card is same as for Smart Phone.

Following are the operation mode.

- 0 Correcting Date and Time
- 1 Adding new user (s)
- 2 Deleting user (s)
- 3 Adding a group of users
- 4 Deleting a group of users
- 5#0 Card + PIN mode
- 5#1 Card Only mode
- 5#2 Card Only or Key Press mode
- 5#3 Facility Code Only mode (Site Code only)
- 5#4 Inhibit Access mode
- 5#5 Opening mode
- 5#6 Set Door Open Time
- 5#7 Set Alarm Time

- 5#8 Set Door Delay Close Time
- 5#9 Enabling/Disabling Special Time Schedule Mod (On/Off)
- 5#* Enabling/Disabling Time Zone Setting (On/Off)
- 6#1 Modifying Time Zone
- 6#2 Modifying Special Time Schedule
- 7#0 Set Card Length for a Card
- 7#1 Set Alarm Loop is NC or NO
- 7#2 Check Card Data
- 7#3 Set Reader ID
- 7#4 Modifying Site Code
- 8# Modifying Password
- 9# Exit command mode
- *#1 Deleting all Access Card
- *#2 Deleting all History Data

Description:

1. Card/Phone + PIN Door Open Mode:

Present the card to the Reader and enter 4 digits personal ID to open the door. The maximum personal ID for a user is one.

2. Card/Phone Only Door Open Mode:

The card number must be added.

3. Key Press Door Open Mode:

User must enter card number with 4 digits personal ID to open the door.

4. Facility Code Only Door Open Mode:

Under this door open mode, user no need to add card number on reader, when user present the card to reader, the door will be opened (Do not use this door open, unless you want to test the reader)

5. Card Only Or Key Press Mode:

Present the card to the Reader to open the door or enter 6 digits card number with 4 digits personal ID to open the door.

6. Opening Mode:

Under this door open mode, the door will open lasting, unless change the door open mode.

7. Inhibit Access Mode:

Under this mode, door will be closed even you present the card to reader

8. Command Mode:

Each time when you want to set any operation mode, you have to get into this command mode first.

9. Enabling Alarm:

Turn on the alarm.

10. Disabling Alarm:

Turn off the alarm.

11. Alarm Output Time:

There are 1-250 seconds for user to set alarm rings time. To set second is to disable the alarm function.

12. Door Open Time:

There are 1-250 seconds for user to set door open time.

To set 0 second, the door will open, and close right away.

13. Door Delay Close Time:

There are 1-250 seconds for user to set door delay close time.

To set 0 second, Reader will not detect if door had been closed or not and alarm will be disabled.

14. Modifying Password:

Each time when you want to get into command mode, you have to enter 6 digits password.

15. Time Zone:

There are 8 time zones, 3 schedules per zone for user to set door entry time.

The maximum time zone for each card is one.

16. Special Time Schedule Mode:

User can set the particular access time schedules and door open mode for the reader.

Ex. The special time schedule for Front Door is

1 08:00 18:00 3

It means on Monday (1) from AM08:00 to PM18:00, this door can be accessed without any card (3)

Operation

To press **123456, then get into command mode.

The initial password is 123456, if you need to change the initial password, please enter 8# and follow item 18 steps.

Note: Each time when you want to get into command mode, you are asked to enter **123456 or **XXXXXX (XXXXXX 6 digits is your own password). To exit the command mode, press 9# key. when password be entry, the green LED bright, and beeper rings two times. If operation is fail, the green LED no light and beeper gives a long ring.

When under command mode, user can go on any operation, no need to enter password to get into command mode again. If any operation is fail, enter * key and re-operate.

1. Correcting date and time

a. Press **123456 LCD indicates: Function Set:

b. Press 0 LCD indicates: Function Set: 0
 Modify Date-Time

c. Press # (Show present time)

 LCD indicates: Date: 2011-05-10

 Time: 4 11:30:02

d. Enter New Time and date

 LCD indicates: Date: 2011-05-21

 Time: 4 14:20:05

The order of date and time is

Year/Month/Date. Week/Hour/Minute/Second.

When enter date and time, the cursor will move on automatically until finish. If any operation is fail, enter * key and re-operate.

e. Press # LCD indicates: Function Set:

2. Adding New User (s):

a. Press **123456 LCD indicates: Function Set:

b. Press 1 LCD indicates: Function Set: 1
 Add New Card

c. Press # LCD indicates: Single/Series ?
 Select One (1/2)

- To select 1 means you want to add one card only.
- To select 2 means you want to add one more card, and their time zone and PIN code are the same, so you just need to enter time zone and PIN code when you add first card.

d. Select 1 or 2 LCD indicates: Add New Card
 No:

e. Present your card to Reader or enter your card ID 000047
(Suppose your card ID is 000047)

 LCD indicates: Add New Card
 No: 000047

f. Then LCD indicates: Time Zone (1-8)
 Input:

g. Enter 1 (Suppose your time zone is 1)
LCD indicates: Time Zone (1-8)
Input: 1

h. Then LCD indicates: Input PIN Code

i. Press your PIN Code 1234 (Suppose your PIN Code is 1234)
LCD indicates: Input PIN Code
1234

j. Press # -Exit or go on to add another cards
LCD indicates: Add New Card

3. Deleting User (s)

a. Press **123456 LCD indicates: Function Set:

b. Press 2 LCD indicates: Function Set: 2
Delete Card

c. Press# LCD indicates: Delete Card
No:

d. Present Card to Reader Or enter 000047 (Suppose your card ID is 000047) LCD indicates: Delete Card
No: 000047

e. Then LCD indicates: Delete Card
No

f. Press # to exit or go on to delete another card

4. Adding a Group Cards

a. Press **123456 LCD indicates: Function Set:

b. Press 3 LCD indicates: Function Set: 3
Add Group Cards

c. Press # LCD indicates: Add Minimum No.
No:

d. Present the minimum card to Reader Or enter the minimum card ID 810001 (Support you have 10 cards want to add, the card ID from 810001~810010. 810001 is the minimum card ID)
LCD indicates: Add Minimum No.
No: 810001

e. Then LCD indicates: Time Zone (1-8)
Input

f. Enter Time Zone 1# (Suppose your time zone is 1)
LCD indicates: Input PIN Code

g. Press your PIN Code 1234 # (Suppose your PIN Code is 1234)

h. Then LCD indicates: Input Total Card
Input:

i. Press 0010 LCD indicates: Input Total Card
Input: 0010
(Support you want to add 10 cards. Since the group card adding in one time is 1,000, if you only need to add 10 cards, you have to key in 0010 to fill out 4 digits. If you want to add 100 cards, you have to key in 0100)

j. Press # and start to add cards
LCD indicates: ID: 810001- 810010

6. Set Door Open Mode:

-Card + PIN Mode-

a. Press **123456

LCD indicates: Function Set:

b. Press 5

LCD indicates: Function Set: 5

System Mode Set1

c. Press #

LCD indicates: System Mode: 0

Card + PIN

d. Press 0#

LCD indicates: Function Set:

(When user use Card + PIN door open mode, they are asked to present the card to the reader, then enter 4 digits personal ID to open the door)

-Card Only Mode-

a. Press **123456

LCD indicates: Function Set:

b. Press 5

LCD indicates: Function Set: 5

System Mode Set1

c. Press #

LCD indicates: System Mode: 0

Card + PIN

d. Press 1

LCD indicates: System Mode: 1

Card Only

e. Press #

LCD indicates: Function Set:

-Card Only Or Key Press Mode-

a. Press **123456

LCD indicates: Function Set:

b. Press 5

LCD indicates: Function Set: 5

System Mode Set1

k. When finish the adding action

LCD indicates: Function Set:

Note: The maximum group card adding in one time is 1,000 cards.

5. Deleting a Group Cards

a. Press **123456 LCD indicates: Function Set:

b. Press 4 LCD indicates: Function Set: 4

Del Group Cards

c. Press # LCD indicates: Del Minimum No.
No:

d. Present the card to Reader Or enter the Minimum card

ID 810010 LCD indicates: Del Minimum No.
No: 810010

e. Then LCD indicates: Input Total Card
Input

f. Enter total quantity cards you want to delete

LCD indicates: Input Total Card

Input: 0010

(Suppose you want to delete 10 cards)

g. Press # start to delete cards

LCD indicates: ID: 810001- 810010



h. When finish the deleting action

LCD indicates: Function Set:

Note: The maximum group card deleting in one time is 1,000 cards.

c. Press #	LCD indicates: System Mode: 0 Card + PIN	-Opening Mode-	a. Press **123456	LCD indicates: Function Set:
d. Press 2	LCD indicates: System Mode: 2 Keypress or Card		b. Press 5	LCD indicates: System Mode Set1
e. Press #	LCD indicates: Function Set: (When users use key press mode, they are asked to enter 6 digits card ID with 4 digits personal ID to open the door)		c. Press #	LCD indicates: System Mode1: 0 Card + PIN
			d. Press 5	LCD indicates: System Mode1: 5 Opening Mode

-Facility Code Only Mode-

a. Press **123456	LCD indicates: Function Set:
b. Press 5	LCD indicates: Function Set: 5 System Mode Set1
c. Press #	LCD indicates: System Mode: 0 Card + PIN
d. Press 3	LCD indicates: System Mode: 3 Facility Code
e. Press #	LCD indicates: Function Set:

-Inhibit Access Mode-

a. Press **123456	LCD indicates: Function Set:
b. Press 5	LCD indicates: Function Set: 5 System Mode Set1
c. Press #	LCD indicates: System Mode1: 0 Card + PIN
d. Press 4	LCD indicates: System Mode1: 4 Inhibit Access
e. Press #	LCD indicates: Function Set:

7. Set Door Open Time

a. Press **123456	LCD indicates: Function Set:
b. Press 5	LCD indicates: Function Set: 5 System Mode Set1
c. Press #	LCD indicates: System Mode1: 0 Card + PIN
d. Press 6	LCD indicates: System Mode: 6 Door Open Time
e. Press #	LCD indicates: Door Open Time Sec: 010 (0-250)

The present door open time is 10 seconds.

If you want to modify the door open time, you should press *, then enter 3 digits door open time.

Note: Enter less than 3 digits door open time which will be rejected by Reader.

f. Press #	LCD indicates: Function Set:
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8. Set Alarm Time

a. Press **123456	LCD indicates: Function Set:	The present door delay close time is 10 seconds.
b. Press 5	LCS indicates: Function Set: 5	If you want to modify the door delay close time, you should press *, then enter 3 digits door open time.
	System Mode Set 1	
c. Press #	LCD indicates: System Mode1: 0	
	Card + PIN	
d. Press 7	LCD indicates: System Mode1: 7	Note: Enter less 3 digits door open time will be rejected by reader.
	Alarm Time	
e. Press #	LCD indicates: Alarm Time	f. Press #
	Sec: 009 (0-250)	LCD indicates: Function Set:

The present alarm time you set is 9 seconds.

If you want to modify alarm time, you should press *, then enter 3 digits alarm time.

Note: Enter less 3 digits alarm time will be rejected by Reader.

f. Press # LCD indicates: Function Set:

9. Set Door Delay Close Time

a. Press **123456	LCD indicates: Function Set:
b. Press 5	LCS indicates: Function Set: 5
	System Mode Set 1
c. Press #	LCD indicates: System Mode1: 0
	Card + PIN
d. Press 8	LCD indicates: System Mode1: 8
	Delay Close Time
e. Press #	LCD indicates: Delay Close Time
	Sec: 010 (0-250)

10. Enabling/Disabling Special Time Schedule

a. Press **123456	LCD indicates: Function Set:
b. Press 5	LCD indicates: Function Set: 5
	System Mode Set 1
c. Press #	LCD indicates: System Mode1: 0
	Card + PIN
d. Press 9	LCD indicates: System Mode1: 9
	En/Dis Spec Time
e. Press #	LCD indicates: En/Dis Spec Time
	0:Close 1:Open
	Press 0 or 1 to enable or disable special time schedule function.
f. Press #	LCD indicates: Function Set:

11. Enabling/Disabling Time Zone Setting

- a. Press **123456 LCD indicates: Function Set:
- b. Press 5 LCD indicates: Function Set: 5
-
- System Mode Set 1
- c. Press # LCD indicates: System Mode 0:
Card + PIN
- d. Press * LCD indicates: System Mode1: *
En/Dis Time Zone
- e. Press # LCD indicates: En/Dis Time Zone
0:Close 1:Open
- Press 0 or 1 to enable or disable time zone function.
- f. Press # LCD indicates: Function Set:

- A : Upward (to change the zone)
- B : Downward (to change the schedule)
- C : Return to Function Set menu

There are 8 time zones, 3 schedules per time zone for user to set employee permit entry door time. The LCD indicates only one schedule on the screen each time. Once you have finish the setting and want to search the schedule, you have to press B key. If you want to search zone, you have to press A key. Return to Function Set menu, press C key.

12. Modifying Time Zone

- a. Press **123456 LCD indicates: Function Set:
- b. Press 6 LCD indicates: Function Set: 6
-
- Spec/Time Zone
- c. Press # LCD indicates: Select Zone Mode
1: Zone 2: Spec.
- d. Press 1 LCD indicates: Modify Time Zone
Are You Sure ?
- e. Press # LCD indicates: Zon:1 Sch:1 D:1-7
From: 00:00-23:59

For Example.	<u>The first time zone</u>	
	1 schedule	1-7 00:00-23:59
	2 schedule	
	3 schedule	
<u>The second time zone</u>		
	1 schedule	1-6 07:00-23:59
	2 schedule	7-7 08:00-13:00
	3 schedule	

- Zon1 : First Time Zone
- Sch1 : First Schedule
- D : Starting and ending of a week
- From : Starting and ending of a schedule

<u>The third time zone</u>		
1 schedule	1-5 08:00-19:00	
2 schedule	6-6 08:00-13:00	
3 schedule	7-7 00:00-00:00	

13. Modifying Special Time Schedule

User can set the particular access time schedules and door open mode for the reader.

There is one schedule you set on the first time zone. The first schedule is on Monday to Sunday, the door can be accessed.

When employee belongs to first time zone, who can access the door at 24 hours from Monday to Sunday.

There are two schedules you set on the second time zone. The first schedule is on Monday to Saturday at AM7:00 to PM23:59, the door can be accessed.

The second schedule on Sunday at AM8:00 to PM13:00 the door can be accessed.

When employee belongs to second time zone, who can access the door at above time.

There are three schedules you set on the third time zone. The first schedule is on Monday to Friday at AM8:00 to PM19:00, the door can be accessed.

The second schedule on Saturday at AM8:00 to PM13:00, the door can be accessed.

The third schedule on Sunday at 24 hours, the door can't be accessed.

When employee belongs to third time zone, who can access the door at above time.

- a. Press **123456 LCD indicates: Function Set:
- b. Press 6 LCD indicates: Function Set: 6 Spec/Time Zone
- c. Press # LCD indicates: Select Zone Mode 1: Zone 2: Spec.
- d. Press 2 LCD indicates: Modify Spec Time Are You Sure ?
- e. Press # LCD indicates: Day:1 Sch:1 M:2 From: 00:00-23:59

Day 1 : Monday

Sch 1 : First Schedule

M : Door Open Mode

From : Starting and ending of a schedule

A : Upward (to change the day)

B : Downward (to change the schedule)

C : Return to Function Set menu

There are 7 days a week, 3 schedules per days for user to set the particular access time schedule and door open mode for the Reader.

The LCD indicates only one day on the screen each time.

Once you have finish the setting and want to search the schedule, you have to press B key.

If you want to search zone, you have to press A key.

Return to Function Set menu, press C key.

Saturday

1 schedule	00:00-12:00 M:1 (Card only)
2 schedule	12:01-23:59 M:0 (Card + PIN)
3 schedule	

For Example.

Monday

1 schedule	00:00-12:00 M:1 (Card only)
2 schedule	12:01-18:00 M:5 (Opening only)
3 schedule	18:01-23:59 M:0 (Card + PIN)

Sunday

1 schedule	00:00-23:59 M:0 (Card + PIN)
2 schedule	
3 schedule	

Tuesday

1 schedule	00:00-12:00 M:1 (Card only)
2 schedule	12:01-18:00 M:5 (Opening only)
3 schedule	18:01-23:59 M:0 (Card + PIN)

There are three schedules you set from Monday to Friday. The first schedule is AM00-AM12:00, the door open mode is card only, so during this time, all the employees can access the reader by card only mode.

Thursday

1 schedule	00:00-12:00 M:1 (Card only)
2 schedule	12:01-18:00 M:5 (Opening only)
3 schedule	18:01-23:59 M:0 (Card + PIN)

The second schedule is PM12:01-PM18:00, the door open mode is opening, so during this time, all the employees can access the reader without any card or PIN.

The third schedule is PM:18:01-PM23:59, the door open mode is Card + PIN, so during this time, all the employees have card, but without PIN Code can't access the door.

Wednesday

"

Friday

"

On Saturday, there are two schedule you set for the reader. Since the employees have to work only

half a day, so the first schedule is AM00:00-AM12:00, the door open mode is card only, so during this time all the employees can access the reader by card only mode.

The second schedule is PM12:01-23:59, the door open mode is Card + PIN, so during this time, all the employees have card, but without PIN Code can't access the door.

On Sunday, there are only one schedule you set for the reader, so all the employees have card, but without PIN Code can't access the door.

14. Set card length for a card

a. Press **123456 LCD indicates: Function Set:
b. Press 7 LCD indicates: Function Set: 7
System mode Set2

c. Press # LCD indicates: System Mode2:
d. Press 0 LCD indicates: System Mode2:0
Card Length Set

e. Press # LCD indicates: Card length 6-12
06
f. Enter card Length LCD indicates: Card Length 6-12
06

(Suppose your card length is 6 digits)

g. Press # LCD indicates: Function Set:
Note: The standard card length is 6, if you want to set different card length, the firmware program needs to be modified, please ask the supplier.

15. Set Alarm Loop is NO/NC

a. Press **123456 LCD indicates: Function Set:
b. Press 7 LCD indicates: Function Set: 7
System mode Set2
c. Press # LCD indicates: System Mode2:
d. Press 1 LCD indicates: System Mode2: 1
Alarm Loop NC/NO
e. Press #, the present Alarm Loop status
LCD indicates: 1:NClose 2:NOpen
Normal Open
f. Press 2 LCD indicates: 1:NClose 2:NOpen
Normal Open 2
(Suppose your alarm loop is Normal Open)
g. Press # LCD indicates: Function Set:
Note: NO-Normal Open. NC-Normal Close.

16. Check Card Data

a. Press **123456 LCD indicates: Function Set:
b. Press 7 LCD indicates: Function Set: 7
System mode Set2
c. Press # LCD indicates: System Mode2:
d. Press 2 LCD indicates: System Mode2: 2
Check Card Data
e. Press # LCD indicates: Check Card Data
NO:
f. Enter your card number 000047#
LCD indicates: NO: 000047
PIN: 1234 Zone: 1

Your card number is 000047, PIN Code is 1234, Time Zone is 1.

g. Then LCD indicates: Check Card Data

NO:

h. Press # LCD indicates: Function Set:

17. Set Reader ID

a. Press **123456 LCD indicates: Function Set:

b. Press 7 LCD indicates: Function Set: 7
System Mode Set2

c. Press # LCD indicates: System Mode2:

d. Press 3 LCD indicates: System Mode2: 3
Set Reader ID

e. Press # LCD indicates: Set Reader ID
Reader ID: 001

(Suppose your reader ID is 001)

f. Press # LCD indicates: Function Set:

18. Modifying Site Code (Customer Code)

a. Press **773281 LCD indicates: Function Set:

b. Press 7 LCD indicates: Function Set: 7
System Mode Set2

c. Press # LCD indicates: System Mode2:

d. Press 4 LCD indicates: System Mode2: 4
Set Site Code

e. Press # LCD indicates: Set Site Code
Site: 00000000

f. Press # LCD indicates: Function Set

** You can set different customer with different site code.

19. Modifying Password

a. Press **123456 LCD indicates: Function Set:

b. Press 8 LCD indicates: Function Set: 8
Modify Password

c. Press # LCD indicates: Modify Password
Password:

d. Enter your New Password LCD indicates: Modify Password
Password: XXXXXX

e. Press # LCD indicates: Function Set:

20. Exit the setting mode:

a. Press **123456 LCD indicates: Function Set:

b. Press 9 LCD indicates: Function Set:9
Quit !!

c. Press # Return to main menu

21. Deleting all Access Cards:

a. Press **123456 LCD indicates: Function Set:

b. Press * LCD indicates: Function Set: *
Delete All

c. Press # LCD indicates: Select Del Item
1:Card 2:History

d. Press 1 LCD indicates: Del All Card ID
Are You Sure?

e. Press # LCD indicates: Del All Card ID

To delete all card numbers need about 2 minutes.

As soon as the deletion process finish, the Reader will give a ring and LCD back to the Function Set menu.

22. Deleting all History Data:

- a. Press **123456 LCD indicates: Function Set:
- b. Press * LCD indicates: Function Set: *
 Delete All
- c. Press # LCD indicates: Select Del Item
 1:Card 2:History
- d. Press 2 LCD indicates: Del History Data
 Are You Sure?
- e. Press # LCD indicates: Del History Data

M means card reader mode is excluded the special time schedule setting.

The second line of the second M is door open mode, and there are 6 door open modes (M0, M1, M2, M3, M4, M5) as below.

- 0 means door open mode is Card + PIN mode
- 1 means door open mode is Card only mode
- 2 means door open mode is Key Press or Card Only mode
- 3 means door open mode is Facility Code only mode
(Site Code only)
- 4 means door open mode is Inhibit Access Mode
- 5 means door open mode is Opening Mode

Z: Time zone is enable or disable
ON- Time zone enable
OFF- Time zone disable

N: Reader ID

Message Description

-The message on LCD-

Each time when user turn on the CRD-200WK, the LCD will indicate

2011-05-11 15:05
M:M2 Z:OFF N:001

The first line is the present time: year/month/date/hour/minute

The second line can be M or A (M: or A:).

A means card reader mode is under special time schedule setting (Reader had been programmed as special access time, please check item 13 of this manual).

-When user present the card to Reader, the LCD indicates-

- (1)
ID:841234 (Card ID)

Legal Card ! “Beeper gives two short rings and the Blue LED turns Green, door is opened”

The message indicates this card is a legal card.

(2)

ID:841234 (Card ID)

Illegal Card ! “Beeper gives a long ring, the blue
Stop to flash, door can't not open“

The message indicates this card ID is an illegal card, you
must add this card to the Reader.

(3)

ID:000000

Press Pushbutton ! “Beeper gives two rings, door is
opened”

The message indicates the door open by pressing the
push button.

(4)

ID:841234

Inhibit Mode ! “Beeper gives a long ring, LCD stop
to flash and door can't open“

The message indicates the reader under inhibit access
door open mode, the door deny to be accessed even your
card is a legal one.

(5)

ID:841234

Facility Mode ! “Beeper gives two short rings and
door be opened.

The message indicates the reader under facility code
door open mode, so even your card have not yet add
on the Reader, the door still can be opened
(it is danger, please change other door open mode)

(6)

ID:841234

Zone Incorrect ! “Beeper gives a long ring, and door
is not opened”

The message indicates the card was added, but time zone
is wrong, please go to **Modify Time Zone** (item 12 of this
manual) to correct it.

Trouble Sheet

1. Card Invalid

(1) Please check card format is correct or not.

If card format is correct, when you present the proximity card to the Reader, the Reader will give two short beeps, otherwise Ready will give a long beep.

(2) Please check if Blue LED flash or not.

a. If Blue LED is flash which means the Reader is under normal situation.

b. If Blue LED is fixed, please re-power on Reader. After re-power on Reader, the LED is still fixed, please check power adapter (DC12V 1A) is normal or not.

(3) Please check if Reader hangs or not.

Check the time on the LCD display is going or not.

If not, it means reader hung, please re-power on reader.

If yes, but it can not read cards, means proximity module hung, please re-power on reader.

If still can't read card after re-power on, please send back factory for inspection.

(4) Please check the following two situations of LED

1) Red LED flash 2) Red LED fixed

1) Red LED flash

a. Re-power on, if card still invalid,

b. Check proximity reader's coil.

c. If Coil normal (not short, not broken down), send back factory for inspection

2) Red LED fixed

a. Re-power on, if card still invalid,
b. Check power adapter (DC12V 1 A).

c. If power is normal, please check the fuse of reader, If fuse burn out, please change a new fuse (250v/1.5A).

2. Card valid, but door can't be opened

(1) Check if CRD-200WK under command mode. If yes, press 9# for quit the command mode.

(2) Check if Reader mode error or Time Zone error or Card had not added.

a. Check Reader mode- check the present reader mode of LCD M:M or M:A, then go to item 13 check if Reader is under special time schedule mode.

b. Check Time Zone/Card add or not- go to item 16 to check the Card Data-.

c. If the message on the LCD is
NO:XXXXXX

Illegal Card

Please go to item 2 to add the card.

(3) Swiping the card to the reader, the beeper gives two rings, LED lights and LCD shows Legal Card, but door is still locked.

- a. Check the installation of door lock
- b. Check door lock is working or not.
 - 1. Door Bolt: please check if bolt is stick up
 - 2. Electric Strike: please check if latch is stick up

If stick up, please shake the door to release door bolt or latch, then try to adjust the bolt/latch or door on correct position.
- c. Check if relay latches or not, if relay have not latch, please send back factory for inspection.
- d. If relay latched, but no DC12V output, check if JP2 is short (close).

3. When green LCD light, but CRD-200WK Re-set

- (1) Check if door strike/electric bolt/Magnet lock built-in a diode or not. If not, please install an external diode according to the installation diagram (The diode had been provided with CRD-200WK key & screws package)
- (2) Please check if provides enough DC12V 1.5A to CRD-200WK

4. When you installed a main Reader for entry and slave reader for exit, but the slave reader can't read cards, please check the following.

- (1) If JP9 had been shorted

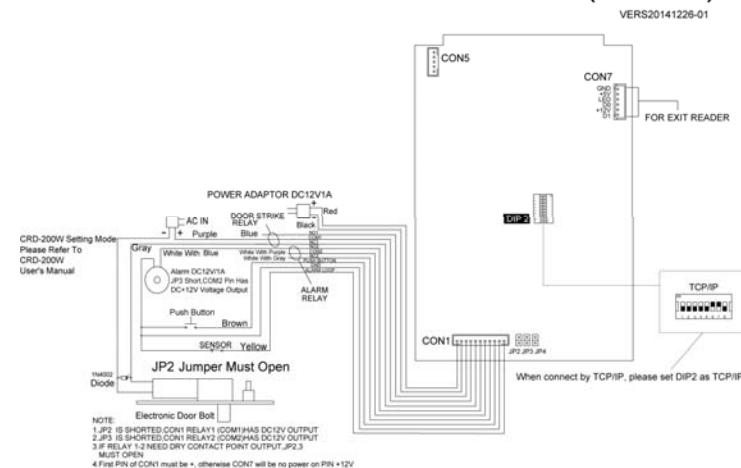
(When JP9 is shorted, CON 7 has DC12V output for slave Reader)
- (2) The first PIN (PIN 1) of CON 1 must connect with red wire for positive (+) and the second PIN (PIN 2) must connect with black wire for negative(−) .

The PIN 1 input must DC+12V power, the PIN 2 input must GND.

- (3) Check if slave reader was damaged.

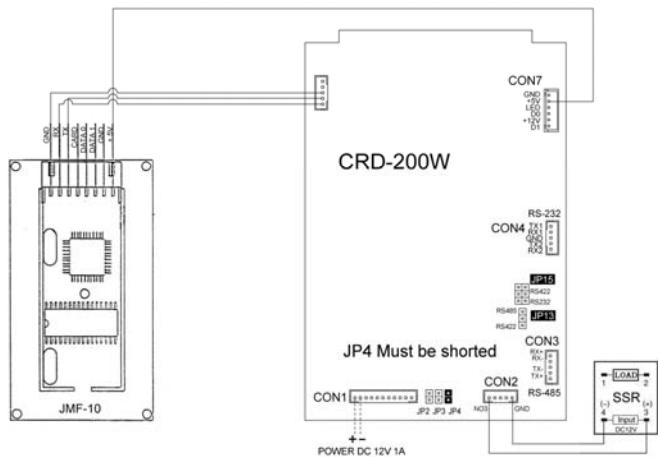
To connect slave reader with a DC12V 1A power adapter directly, under reading rang, when card swipe to reader, there is a beep sound, otherwise the slave reader should be damaged.
- (4) Check if slave reader connects with main reader by Wiegand output. Please check the diagram.

CRD-200W READER DIAGRAM (TCP/IP)



CRD-200W + IS-086 READER DIAGRAM

VERS20141226-02



Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.