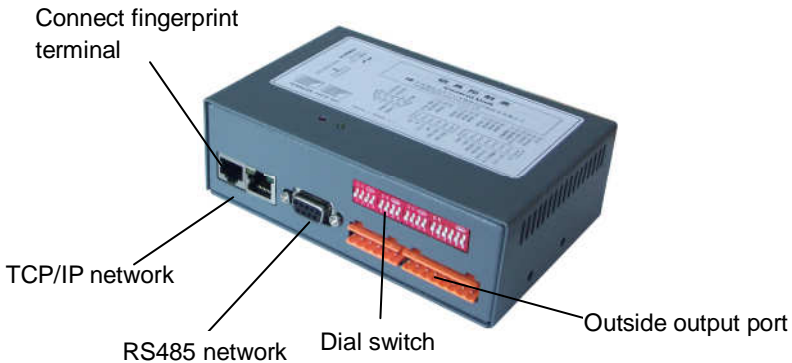




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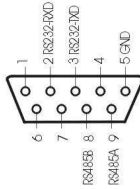
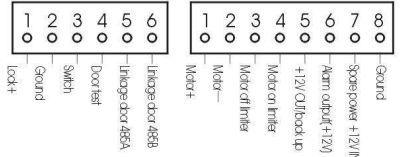
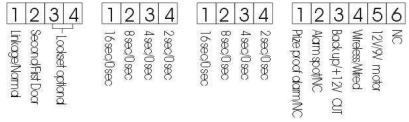


Please read the user's manual carefully to avoid improper operation and damage.

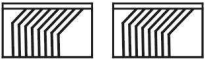
The controller is suitable for HD Biometric series of Door Guard products, like Beta1,Beta2,etc.



Control Unit



RS485--8, 9 RS232--2, 3, 5



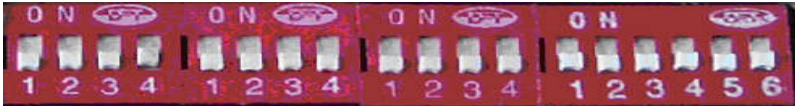


1、 Model explanation

LC100 lockset controller has many optional extending models, for example:

Power option	220V	110V	
Lock open mode	Wired control	Wireless control	
Network mode	TCP/IP	RS232	RS485

2、 Dial code switch set up



	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4	D5	D6
ON	Linkage	Second door	Check note1	Check note1	16 sec	8 sec	4 sec	2 sec	16 sec	8 sec	4 sec	2 sec	Prize proof alarm	Alarm spot	Backup	Wireless control	12V motor	NC
OFF	normal	First door	Check note1	Check note1	0 sec	0 sec	0 sec	0 sec	0 sec	0 sec	0 sec	0sec	NC	NC	+12V OUT	Wired control	9V motor	NC



Note 1 :

A3 and A4 together to choose 4 kinds of lockset.

[electronic machine lock : A3 :ON A4 :ON] electronic machine lockset

[electronic magnetic lock : A3 : ON A4 : OFF] power disconnection door open lockset

[cathode lock : A3 : OFF A4 : ON] electrify door open lockset

[electronic control lock : A3 : OFF A4 : OFF] instantaneous electrify door open lockset

Note 2:

A1 : If choose ON, linkage mode start up, please choose “A2” .

Note 3:

B1~B4 and C1~C4 combine separately to set up alarm time. Its scope between 0—30 seconds. The precision is 2 seconds, use door test button to test the door.

	B1-B4	C1-C4
Electronic control lock	invalidation	when unlock indication time set up in 0, invalidation
Electronic magnetic lock	Time-lapse door open time	when unlock indication time set up in 0,no alarm



Cathode lock	Time-lapse door open time	when unlock indication time set up in 0,no alarm
Electronic machine lock	Door automatic close time	Unvarying open time set up in 0,no alarm

D1 : Choose prize proof alarm: the door is abnormal unlock, the door test will alarm.

D2 : Choose spot alarm: if alarm happen, press the buzzer of controller to alarm .

D3 : Choose“+12 OUT” , provide +12V current output .

D4 : Choose the control way of controller.

D5 : Choose power supply voltage of motor lock.

D6: blank

Note 4:

All set up should be under break power and be effective while have the power again.

3、 Exterior Output port diagram and instruction



1	2	3	4	5	6		1	2	3	4	5	6	7	8
lockset +	lockset— (ground)	Switch	Door test switch	Linkage door 485A	Linkage door 485B		motor +	motor-	Motor off limiter	Motor on limiter	+12V OUT/backup	Alarm output (+12V)	backup power IN (+12V)	ground

Note:

a. “Lock+” and “ground” : link 12V lockset (magnetic lock, electronic lock, cathode lock) .provide 1.5A instant current , 500 mA continuous current .

b. “switch” and “ground” : Link constant switch.

c. “door test” and “ground” : Link closing door test (break alarm)

d. “Linkage door 485A” and “ linkage door 485B” : For two doors communication, to link separately with other door lock set.



e. “motor+” and “ motor -” : Link motor lock. Before link motor, please set up dial code switch to choose motor voltage.

f. “motor off limiter” and “ground” : Link constant closing limiter to test motor lock close.

g. “motor on limiter” and “ground” : Link constant opening limiter to test motor lock open.

h. “+12V OUT/ back up” and “ground” : Default as +12v power output (dial code switch choose OFF)

Laden request lower than 300mA

i. “alarm output (+12V)”and “ground” : Link with alarm number, telephone annunciator and other equipment . Laden request lower than 300mA .

j. ”spare power IN (+12V)”and “ground” : external power port. When “no input power” or “input power”.When total load more than 600mA”,it need to connect with output power. Input voltage is between 12V to +14V.

4、 Alarm Instruction

a. The controller could be alarm in two events:

1, prize door (set up alarm or cancel),



2, intimidate (being in link door mode)

b. There are two modes for alarm: spot alarm (long continuous alarm) and other alarm mode. Other alarm mode is outputted by +12V voltage (link with alarm number, telephone annunciator and other equipment)

5、 LED Instruction

a. Red diode on board: alternating input power indication

b. Green diode on board: wireless (wired) received and push-button status, when there has door open signal , the indicator will twinkle and then wink.

6、 Buzzer and alarm Instruction

a. Two short prompt beep: The door will open normally when receive wireless (wired) opening information.

b. Three short prompt beep: The door closed normally.

c. The short beep prompt continuously and gradually: The door is opening now.

d. The short beep prompt continuously and hurriedly (alarm): Alarm, to prompt the door doesn't close.

e. Two long prompt beep: During the linkage mode, try to open the door when another door is open, two long beep will prompt the door can not be opened and the lock won't have any reaction. When try to open the



second door during the intimidation alarm, two long beep will prompt the door can not be opened and the lock won't have any reaction.

f. One long prompt beep: abnormal communication, or run error.

g. Three long prompt beep: error work mode or lock set is incorrect.

7、LC100 lockset controller set up

Below is for the manufactory testing, unprofessional person is not allowed to change.

Cut power down first, open the lock controller cover:

1. J6: choose input power: AC220V or AC110V.

Connect foot2 and foot3 with short circuit, AC220V input.

Connect "foot1 and foot2","foot3 and foot4" with short circuit, AC110V input.(Please check out circuit board)

2. J11: change lockset power supply to +12V or +6V Please (Please check out circuit board. Default Setting is +12V)

8、Specification

Input current :	AC220V/AC110V
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Output current :	<0.2A
Total output current :	Instant <1.6A , continuous <600mA.
Driving lockset voltage :	Electronic lock DC9V/DC12V , other lockset DC6V/DC12V
Driving lockset current :	Instant<1.5A (driving electronic lock) continuous<500mA driving magnetic lock, motor >
Output power supply :	DC6V/<350mA (for controller) , “+12V OUT/ back up” <300mA , “alarm output (+12V) ” <300mA.
External power	Input another +12V external power
Wireless receive frequency :	433MHz
Receive distance :	Wireless distance<15 meters (open) , wired distance<5 meters
Door test input :	Constants closing door test limiter (break alarm)
Open hand door knob input :	Constant opening
Voice call alarm output :	Constant opening
Size (mm):	145×96×46