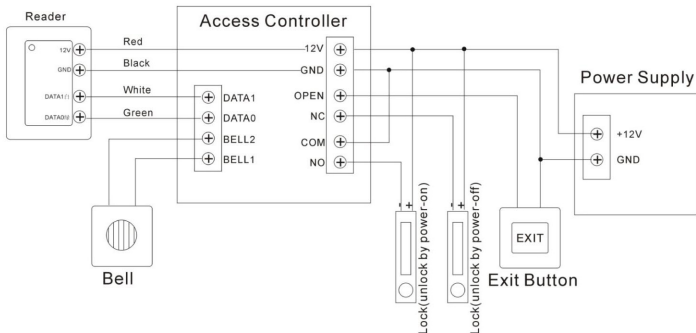


► Profile

PP96 is designed for electronic lock and security systems supporting card, password, card +password to open door; easy to install and operate and with very stable functions; also it is with super Anti-interference ability and self-diagnosis self-protection, store 2000 sets of users data, including recorders; all data will not lost when broken power. PP96 support bell output, used for office, home, Rooms and public areas.

► connecting diagram (Figure 1) (RS485 output optional in the future)



► Terminal Wire Connector 1 Function

12V	Red	12Vdc Positive Regulated Power Input
GND	Black	Negative Regulated Power Input
NO	Blue	Door Strike Relay N/O
NC	Orange	Door Strike Relay N/C
COM	Purple	Door Strike Relay Com
OPEN	Yellow	To Door Remote Control Button Then Negative
BELL1	Brown	Bell Push Button
BELL2	Grey	Bell Push Button
DATA0	Green	Wiegand input Data0
DATA1	White	Wiegand input Data1

► Buzzer and LED light instructions

Events	LED status	Buzzer instructions
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powered	Red LED blink once per second	1 short beep
Normal status	Red LED blink once per second	
Valid Card reading	Blue LED on	2 times of short beep
Invalid card reading	Red LED blink once per second	1 long beep,,
unlock	LED blue on	2 times short “beep beep”
Enter programming mode	blue LED fast blink	2 times of short beep
Programming confirm	blue LED on	2 times of short beep
Alarm	Red LED flash	Continuous beeps “beep. beep”
Code invalid		1 long beep
Code valid	blue LED on	2 times short beep, beep
Re-input	LED Red on, blue LED fast blink	1 short beep
Exit programming mode		1 short beep
Troubleshooting	<i>press key “*” 2 times system automatically return to normal state</i>	

► Programming sets

Programming sets and functions			operating parameters description:	Default settings
【1】	1		Add users	
【2】	2		Delete users	
【3】	3		Set access ways (Card or password)	Card or Password
【4】	4		Set door relay time	6 sec
【5】	5		Set alarm time	3 Minutes
【6】	6		Set door detector on/off	off
【7】	7		Set to delete card by card number	off
【8】	8		Change user password	9999
【9】	★	★	Exit programming mode or cancel the last error button inputs ,press ★ 2 times anytime ,then system will return to normal status Yellow LED blink once per second	
【10】	#		Confirm key button	

► System default password is 9 9 9 9

► Enter programming mode

Press enter programming mode .

Any programming sets must done under programming mode ,otherwise that will be invalid; if no any operation under programming mode, then the system will exit programming mode return to normal status , yellow LED blink once per second

Note : the button should be pressed before exit ,otherwise all sets will not valid

Operations under programming mode;

» Change master password

press

The password is 4-8 digits number ,press to exit .

» Add users

Add users by card or card +password ,press or read ADD card then read user card

Add users by code, press

If adding more users one time ,then read all the cards after ;when all users added then press key “#” ,the corresponding password will be generated after add a user by card, the default is 1234(this password cannot open door, it should be changed to a private one ,please refer the relative instructions)

» Delete users

Delete all users : press

Delete by cards: read DELETE card then read user card or press

Delete by card number : press

» Set access ways

Card or password: press

Card +password : press

» Set relay break time

press

Door relay can work in NO or NC status , in NO status , the current up to 3A; in NC , the current up to 2A; the time is between 00-99seconds. the default setting is 6 seconds.

» Alarm time sets

Press

The time is between 00-99 minutes, the default is 3 minutes.

» Door detector sets

Press the function off
press the function on

» Set master cards

Press Then to set 2 pcs master cards , the first one is ADD card, the second one is DELETE card, users can use them to add or delete card in standby status.

» Change PIN users 'password,

Press

» Exit programming mode

After all sets, press to exit programming mode.

» Change user private passwords

Card &password users can change his password by bellow step

Press

Password users can change his password by bellow step;

For the card &password users, the default password is "1234", it cannot open door, and the password must be 4-digits.

» Open door by password

Press

» System default sets

Break power, press down exit button, and re-power the device, after a beep, then release the exit button.

Note: after default settings , the users data will not be lost, the master password will revert to 9999, access way to card or password, relay break 6 seconds, the alarm time to 3 minutes , the door detector and safety set to OFF.

» Specifications

Work voltage	DC 12V $\pm$ 10%
Static current	<100mA
Story capacity	1master password, 2000 set users data
Card style	EM or EM Compatible card
Reading range	5-15CM
Relay current	3A
Work temperature	-20°C to 60°C
Size	112MM $\times$ 84MM $\times$ 22MM