BS-K35 Keypad Access Control User Manual

1. Description

The device is a standalone access control and proximity card reader which supports EM & MF card types. It builds-in STC microprocessor, with strong anti-interference ability,high security and reliability,powerful function and convenient operation. It's widely used in high-end buildings, residential communities and other public places.

2. Features

Ultra-low Power	Standby current is less than 30mA
Wiegand Interface	WG26 or WG34 input and output
Searching time	Less than 0.1s after reading card
Backlight keypad	Operate easily at night
Access ways	Card, Pin code, Card & Pin code, APP on the phone.
Independent codes	Use codes without related card
Change codes	Users can change codes by themselves
Delete users by card No.	The lost card can be delete by keyboard

3. Specifications

Working Voltage：DC12-24V	Standby Current：≤30mA
Card Reading Distance：1～3cm	Capacity：2000 users
Working Temperature：-40℃～60℃	Working Humidity：10%～90%
Lock output load：≤3A	Door Relay time：0～99S （Adjustable）

4. Installation

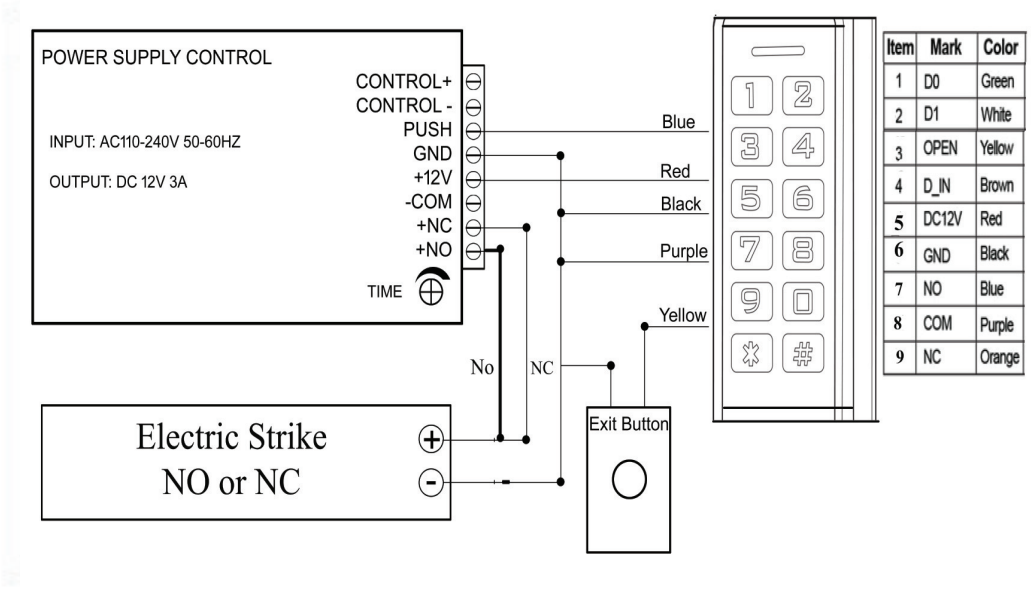
Drill hole according to the size of the device and fix the back shell with the equipped screw.Thread the cable through the cable hole. connect the wires according to your required function, and wrap the unused wires to avoid short circuit. After connecting the wire, install the machine. (as show below)

5. Wiring

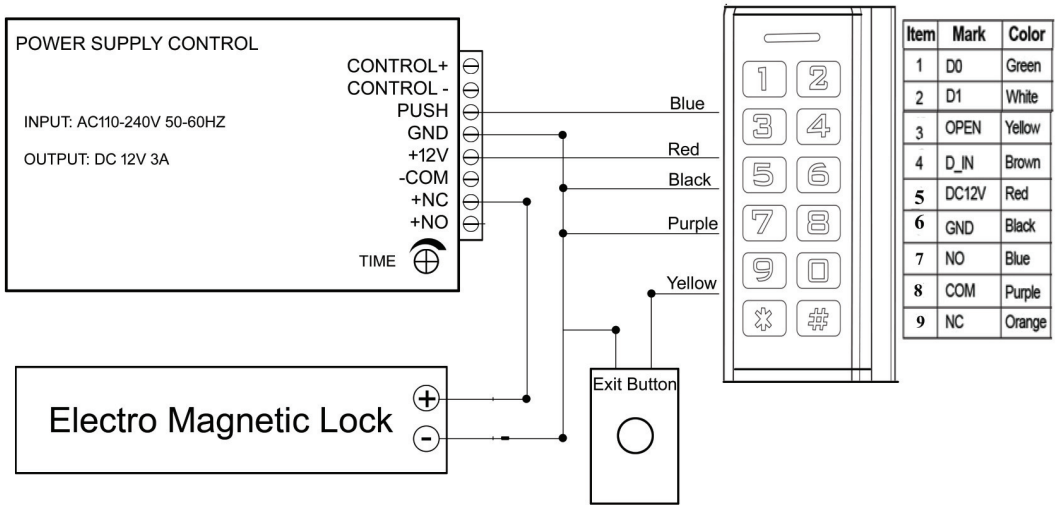
Color	ID	Description
Green	D0	Wiegand Input(Wiegand Output in Card Reader Mode)
White	D1	Wiegand Input(Wiegand Output in Card Reader Mode)
Yellow	OPEN	Exit Button input terminal
Red	+12V	12V + DC Regulated Power Input
Black	GND	12V - DC Regulated Power Input
Blue	NO	Relay normally-on terminal
Purple	COM	Relay Public terminal
Orange	NC	Relay normally-off terminal

6.1 Diagram

Common Power Supply

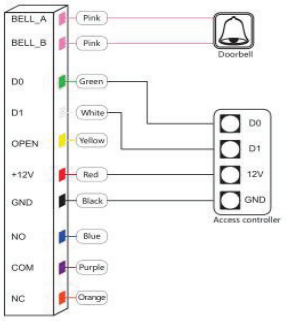


6.2 Special Power Supply



Item	Mark	Color
1	D0	Green
2	D1	White
3	OPEN	Yellow
4	D_IN	Brown
5	DC12V	Red
6	GND	Black
7	NO	Blue
8	COM	Purple
9	NC	Orange

6.3 Reader Mode



7. Sound & Light indication

Operate Status	LED Light Color	Buzzer
Standby	Red	
Keypad		Beep
Operation Successful	Green	Beep—
Operation Failed		Beep-Beep-Beep
Entering into Programming	Flash Red Slowly	Beep—
Programmable Status	Orange	
Exit Programming	Red	Beep—
Door Opening	Green	Beep—

8. Advance setting

	Add Users		Notes
1	Change Program code	* Program code # 00 New code # New code #	Default factory Program code is 999999.
	Add card	* Program code # 11 Read card # ...#	Cards can be added continuously
	Add card number	* Program code # 11 8 digits #	Card number can be added manually continuously
	Add ID number+card	* Program code # 11 ID number # Read card #	Add user with specify ID number, easily find and delete. ID number is from 1-1000
	Add ID number+card number	* Program code # 11 ID number # 8 digits #	Add user with specify ID number, easily find and delete.ID number is from 1-1000
	Add ID number + PIN code	* Program code # 11 ID number # 4 digits Pin code #	ID number is from 1-1000. 4digits Pin coder + # to open
2	**Delete Users**		
	Delete card	* Program code # 21 Read card or 8 digits #	Cards can be deleted continuously
	Delete ID number	* Program code # 21 ID number #	When the card is broken or lost, you can delete the user by ID number
	Delete ALL users	* Program code # 20 0000 #	Delete ALL PIN code & card users except public PIN code.
3	**Access ways**		
	By card	* Program code # 31 2#	Only the card user could unlock the door, keypad is invalid
	By card+PIN code	* Program code # 3 1 3#	To enable this function, the user PIN code has to be changed.
	By card or PIN code	* Master code # 3 1 4#	Both card user and PIN user could unlock the door (factory default)

Note: 4 digits pin code + # to unlock the door .

4	**Relay Output Delay Time**		
	Door relay strike time	* Program code # 41 0～300 #	Door opening time range: 0-300 s Default 5s
5			
	Standalone access control mode	* Program code # 03 1#	The door will be locked automatically after open the door normally
	Relay toggle mode	* Program code # 03 2#	The door will not be locked automatically.To lock the door, the user has to read the card or press the exit button.
	Reader mode	* Program code # 52 26-58bit #	WG26/34 input and output
6	Bind a code to a specific card	* Program code # #	It is not available
7			
	Wifi matching	* Program code # 08 #	**WiFi match, See Wifi instruction manual**
9	Add public code	* Program code # 09 4-6 digits code #	Only one public code is available. Delete public code: * Program code # 09 #
*	Change the code by user card	* Read card New code # Repeat new Code #	
	Change the code by ID number added	* Old code # New code # Repeat New code # Note: All of codes will be modified except public code.	
	Reset to Factory Default	Power off, press & hold # key or exit button continuously, power on, Realease the # key or the exit button when hearing beep sound once and green light . the Program coder has been reset to 999999. Factory default settings are successful . ★Registered user data won't be deleted when reset to factory default	

9 Master Card Operation