



YLI ELECTRONIC

ACCESS CONTROL KEYPAD

Model:YK-868

Introduction

The unit is a single door multifunction standalone access controller or a Wiegand output keypad or card reader. It is housed in a strong, sturdy and vandal-proof zinc alloy enclosure. The electronics are fully potted, so the unit is waterproof and conforms to IP66. The default mode of is 'Controller Mode'. If you need to work as a Wiegand reader, please change the mode to 'Reader Mode'. Instructions on how to change from 'Controller Mode' to 'Reader Mode' are found in the Changing to Reader Mode section in this manual.

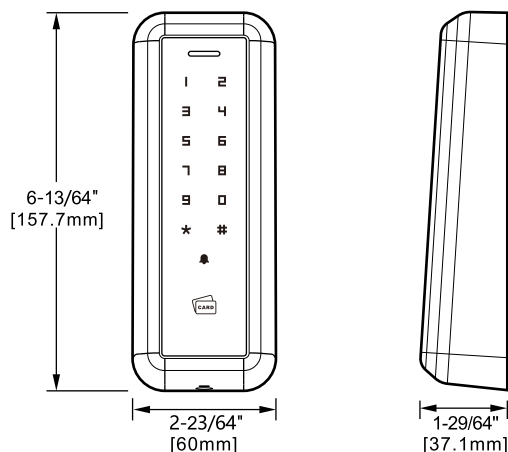
Features

- Full programming from the keypad.
- Supports Card, PIN, Card + PIN, Card or PIN.
- Can be used as standalone keypad.
- Adjustable door open time.
- Very low power consumption.
- Backlit touch keys.
- Lock output current short circuit protection.
- With bell function, supports external bell.
- Audible keystroke echo.
- Red, blue, white, yellow and green LED indicators display the working status.
- Wiegand 26 input for connection to external reader or Wiegand 26 output for connection to a controller.

Specifications

Operating Voltage	12VDC	Card Type	ID card or IC card
Lock Output Load	Max. 1.5A	Door Open Time	0-99 seconds
Card Capacity	2000	Card Reading Distance	Max. 2-23/64"
PIN Capacity	500	Product Weight	1.41lb
Idle Current	50mA	Enclosure Material	Zinc Alloy
Waterproof Level	IP66	Operating Temperature	-22°F-140°F
Operating Humidity	10%-90%RH		
Dimensions	6-13/64" x 2-23/64" x 1-29/64"		
Wiring Connections	Electric Lock, Exit Button, Bell		

Dimensions & Packing List



Name	Quantity	Remarks
Access Keypad	1	
User Manual	1	English
Plastic Anchors	4	Ø6x25mm, used for fixing
Self-Tapping Screw	4	M4x25mm Philips Self Tapping Screw

Insrallation

- Remove the back cover from the keypad
- Drill 4 holes on the wall for the self-tapping screws and 1 hole for the cable
- Put the supplied plastic anchors into the 4 holes
- Fix the back cover firmly on the wall with 4 self-tapping screws
- Thread the cable through the cable hole
- Attach the keypad to the back cover

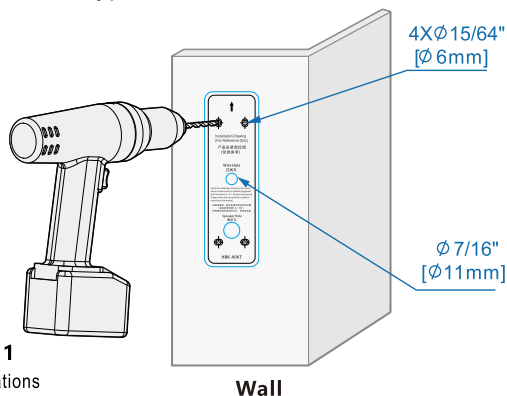


Figure 1
Hole locations

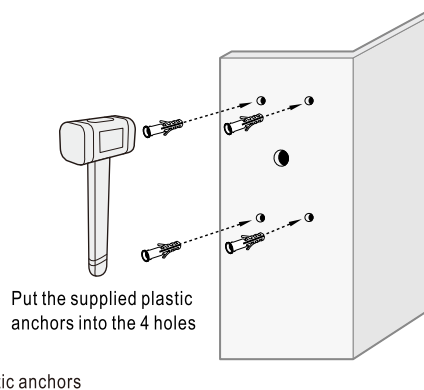


Figure 2
Installation of plastic anchors

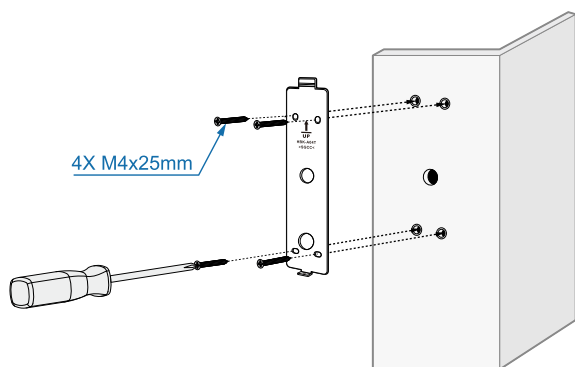


Figure 3
Installation of Mounting Hardware

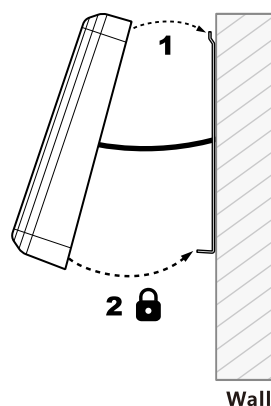


Figure 4
Installation of HBK-A06T

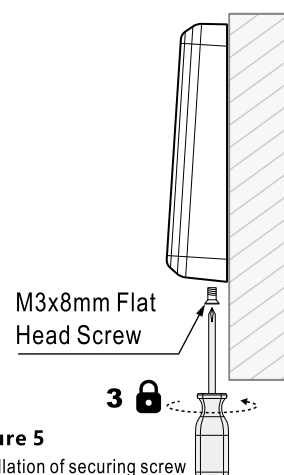


Figure 5
Installation of securing screw

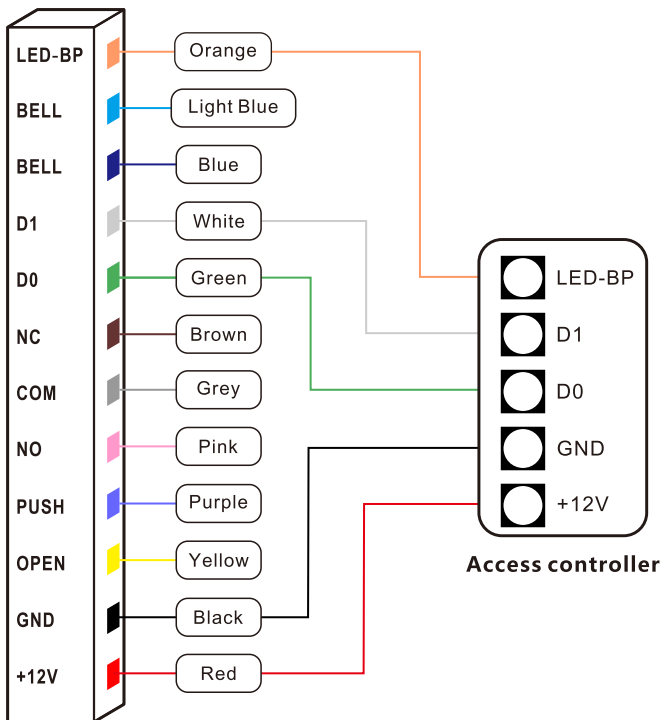
Wiring Terminal Connections

Terminal	Wiring Reference	Wire Color
+12V	Positive DC supply lead	Red
GND	Ground	Black
OPEN	Opening signal outputs for connection to exit button	Yellow
PUSH	Control signal outputs for connection to power supply	Purple
NO	NO	Pink
COM	COM	Grey
NC	NC	Brown
D0	Wiegand data zero	Green
D1	Wiegand data one	White
BELL	External doorbell	Blue
BELL	External doorbell	Light Blue
LED/BEEP	Light and sound signal feedback for reader mode	Orange

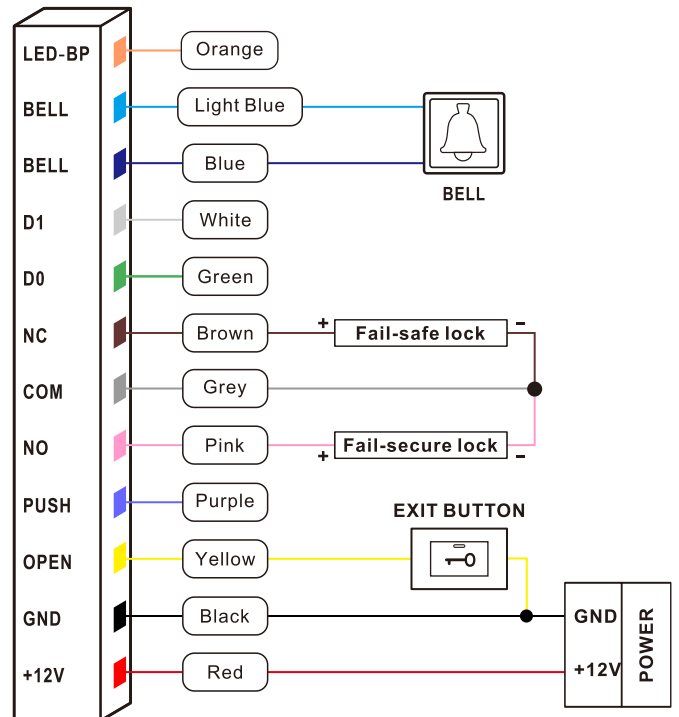
Wiring Diagram

1. Reader Mode

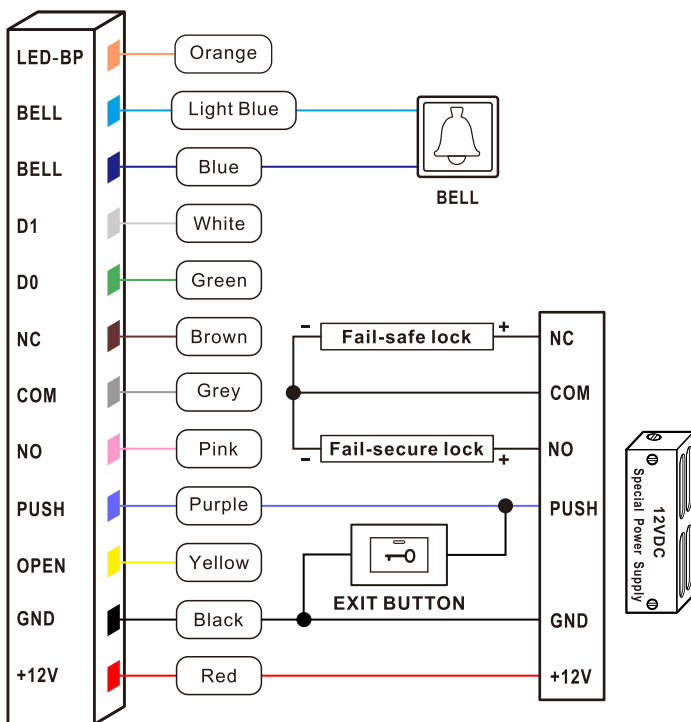
In this mode the device supports Wiegand 26 bit output.



2. Connected to Common Power Supply



3. Connected to Special Power Supply



Sound and Light Indication

Operation Status		LED Indicator	Sound
Standby	PIN only mode	White	
	Other mode	Red	
Tap #		Flash yellow	
Tap # #		Yellow	
In the programming mode	When a menu is waiting to be selected	Flash blue	
	When a menu has been selected	Blue	
Unlock the lock		Green	A short beep
Enter the PIN		Blue	
Operation successful		Flash green 1 time	A short beep
Operation failed		Flash red 3 times	3 short beeps
Tap digit key			A short beep

Operation Guide

Purpose	Operation
Enter the programming mode	# Admin Code #
Return to previous menu in the programming mode	#
Exit from the programming mode	*
The following operations must be done in the programming mode	

Basic Operation			
Change the admin code	0	New Admin Code # Repeat New Admin Code #	The admin code can be 4-8 long.
Add users	0	Read Card 1 Read Card 2 Read Card N #	To add card users
	1	User ID Number # Read Card #	To add a card user with ID number
	2	User ID Number # PIN #	To add or change a PIN user
	The user ID number is any 4-digit number from 0001 to 9999. Users can be added continuously by repeating the operation.		
Delete users		0 Read Card 1 Read Card 2 Read Card N #	Users can be deleted continuously.
		1 User ID Number #	The cards can be deleted when they are broken or lost.
		2 8 or 10 digits on the card #	For example, the card number is 0006307890 09616434, and you can input 0006307890 or 09616434.
		3 0000 #	To delete all users Attention: Delete all PIN & card users

Set public code	3	Public Code #	One public code is supported which can be used to open the door in any open mode.	
		Repeat Public Code #		
		0000 #	To delete the public code	
Set open mode	4	0 #	Entry is by either Card or PIN (Default)	
		1 #	Entry is by Card and PIN together	
		2 #	Entry is by PIN only	
		3 #	Entry is by Card only	
Set delay time	5	XX #	XX is any number from 0 to 99. The factory default setting is 3 seconds.	

Advanced Application				
1	6	XX #	Set multi-card access	XX is any number from 1 to 10. It is only for Card Only mode.
		The door will open only when the quantity of valid cards reach the set quantity.		
2	6	1 Read Card #	Set admin add card	Support one admin add card and one delete card each.
		2 Read Card #	Set admin delete card	
		0 #	Delete admin cards	

System Setting					Remarks: The password can be set to 4-8 digits except zero in every digit.		
8	1	0 #	Set output mode	Set the output mode to Normal Mode. The door will lock automatically after an unlock operation.	Note that the following operations must be done after exiting from the programming mode		
		1 #		Set the output mode to Toggle Mode. The door will keep unlocking until next unlock operation.			
	2	#	Set the device to work as a <i>wiegand reader</i> .		Set or change a PIN of an added card	# # Read an Added Card PIN # Repeat PIN #	
					Reset to the default admin code	1. Power on. 2. Tap 00 # within 10 seconds.	The default admin code is 123456. This operation will not delete the users.
Optional Setting							
9	1	0 #	Set sound	ON (Default)	Reset to default setting	1. Power on. 2. Tap 99 # within 10 seconds.	
		1 #		OFF			
	2	0 #	Set keypad backlight	ON (Factory Default)	To Unlock the lock		
		1 #		OFF			
		2 #		Auto Mode			
For a PIN user		Input PIN, then Tap #					
For a Card user		Read Card					
For a Card and PIN user		Read Card (the LED indicator flashes green), then input PIN #					

Keypad Operation

The default mode of is 'Controller Mode'. If you need to work as a Wiegand reader, please change the mode to 'Reader Mode'. Instructions on how to change from 'Controller Mode' to 'Reader Mode' are found below.

Changing to Reader Mode

- 1: Enter the programming mode (See above 'Operation Guide').
- 2: Tap the '82 #' keys followed by tapping the '*' key.

Changing to Controller Mode

- 1: Remove power from .
- 2: Apply power .
- 3: Tap '99 #' keys within 10 seconds.