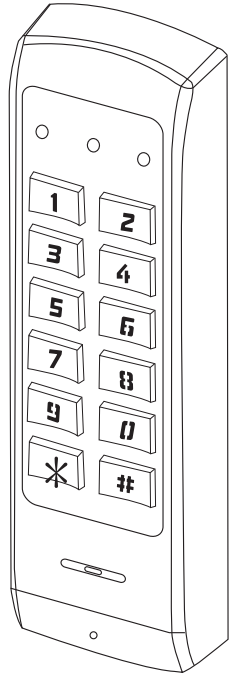
MKP-1130

DIGITAL KEYPAD

USUER MANUAL

(Read the instruction carefully before using)



Ver1.1
22/12/2009

Introduction:

MKP-1130 digital keypad is designed for the application with electronic locks, entrance guarding and security systems. With an excellent memory system, data will not be lost in case of power failure.

Aside from the normal keypad functions, MKP-1130 also has some additional functions, such as door monitoring, alarm signal output, tamper resistance,door releasing button input and auxiliary password making it a reliable product.

MKP-1130 provides a convenient and automatic way in access management which is especially suitable for offices, apartments and commercial buildings.

Also, with its waterproof design of level IP65, MKP-1130 is fit for the application in a variety of environments.

Power Source Input:
Connecting with AC/DC12-24V power supply.

Door Release Button:
Connecting with (N.O.) button to control the Electric Lock Output.

Magnetic Door Sensor (REED):
Connecting with a (N.C.) magnetic door sensor (REED). If the door is broken in or is opened for a period longer than the setting time, there will be an alarm.

Tamper Button:
A normally closed (N.C.) button locating on the rear for resisting tamper. There will be an alarm as it is activated.

Alarm Output:
Labeled as (AL OUT), the maximum output loading is DC12V/ 500mA, connected with a siren or a flashlight as an alarm.

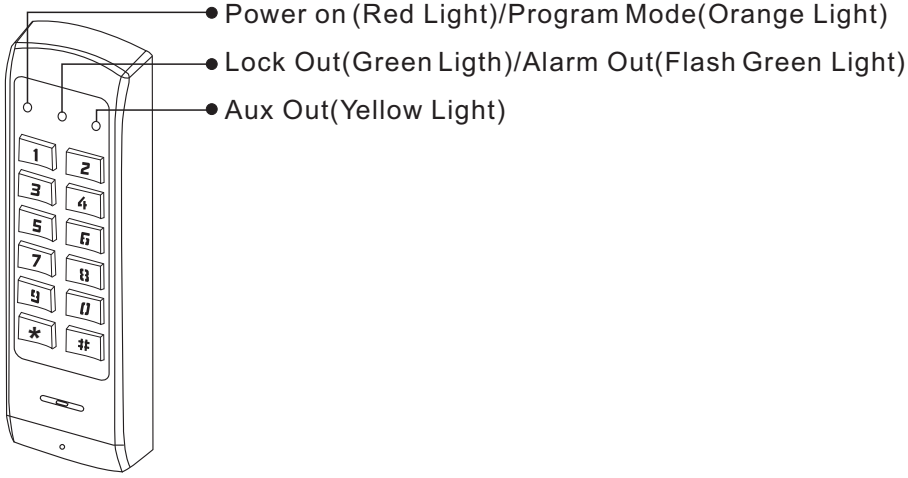
Electric Lock Output:
A relay output which is connecting with a fail-secure (N.O.) or fail-safe (N.C.) electric lock (Max. 24V/3A)

Auxiliary Password Output:
A relay output which is connecting with a security system(Max. 24V/3A)

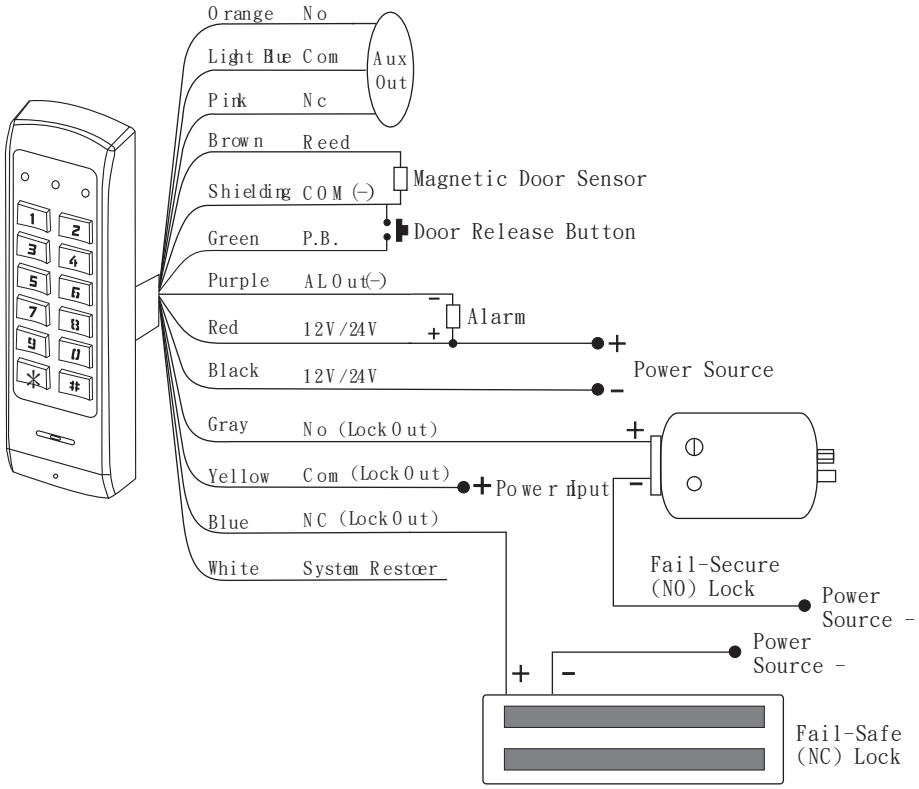
Terminals Description:

Color	Terminal	Description	Remarks
Orange	NO (AUX OUT)	Normally Opened Auxiliary Output	Designed for connecting with different kinds of security products
Light Blue	COM (AUXOUT)	Auxiliary Common Terminal	
Pink	NC (AUXOUT)	Normally Closed Auxiliary Output	
Brown	REED	Magnetic Door Sensor	
Shielding	COM(-)	REED/PB Common Terminal	Connect With a door sensor to the common terminal
Green	P.B.	Door Releasing Button	The common terminal for REED and PB
Purple	AL OUT(-)	Alarm Output	Connect with a (NO) button to the common terminal
Red	AC/DC	AC/DC Power Source	Connect with a flashlight or siren alarm
Black	AC/DC	AC/DC Power Source	Connect with AC/DC 12-24 Source
Gray	NO(LOCK OUT)	Normally Opene E-Lock output	Connect with a fail-secure (NO) lock
Yellow	COM(LOCK OUT)	E-Lock Common Terminal	The common terminal for lock output
Blue	NC (LOCK OUT)	Normally Closed E-Lock output	Connect with a fail-safe(NC)lock
White	System Restore	System Restore	Connect this terminal to the COM(-) to restore the system

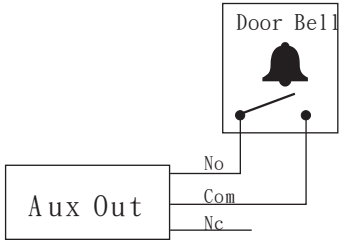
Indicator:



Connecting with locks directly:



Connecting with a Door Bell Button:



Programming Summary:

[Notes:Tamper(At the back of the keypad) and Reed(Brown Wire) has to normal before you can enter the Programming Mode]

Program or change the Master Code: (Default = 1234)

MMMM MMMM *00 "code" # MMMM = Master code
code = New Master Code (4-8 digits)

Program or change the User Code: (Default=01 User 3333)

MMMM MMMM *XX "code" # XX = Memory No. 01-19
code = New User Code (4-8 digits)

OR

MMMM MMMM *6YY “code” # YY = Memory No. 20-99
code = New User Code (4-8 digits)

Set lock output operating time: (Default = 5seconds)

MMMM MMMM *20 TT # TT = 01-99 (seconds)
TT = 00 latch time

Delete a user code:

MMMM MMMM *50 XX # XX = Memory No. 01-99
XX = 00 Delete all User Codes

Enable/Disable incorrect code protection: (Default = disable)

MMMM MMMM *51 #

Notes: If incorrect code protection is enabled, the system will be locked for 30 seconds after 5 time password incorrect or 20 consecutive incorrect digits to default master code user code.

Select incorrect codes protect (Default = 20 incorrect digits)

MMMM MMMM *53 0# 20 consecutive incorrect digits
MMMM MMMM *53 1# 5 time password incorrect

Program or change the auxiliary code (Default = no auxiliary code)

MMMM MMMM *40 “code” # code = New auxiliary Code (4-8 digits)

Set auxiliary output operating time (Default = latch mode)

MMMM MMMM *58 TTT # TTT = 001-999 (Seconds)
TTT = 000 (latch mode)

Select auxiliary output mode:
(Default = the program auxiliary code used auxiliary output)

MMMM MMMM *57 C#

C = 0 disable
C = 1 to enable door monitor with auxiliary output*
C = 2 to enable incorrect password with auxiliary output*
C = 3 to enable * or bell push button with auxiliary output*
C = 4 to enable temper switch with auxiliary output*
C = 5 to enable door forced open detection with auxiliary output*
C = 6 to enable lock output detection with auxiliary output
C = 7 to enable the programed auxiliary code used auxiliary output

Note: Enable function 1~5 must change the auxiliary output operating time more than 1 second. (DON'T setting timer 000 in the function 1~5, because it will lead a failure to the auxiliary output)

Set alarm output mode:

MMMM MMMM *55 C#

C = 0 disable
C = 1 to enable door forced open detection with alarm output
C = 2 to enable tamper switch with alarm output
C = 3 to enable door forced open and tamper switch with alarm output

Restore system to factory setting:

1. Disconnect from the power source
2. Connect the White Wire to GND
3. Reconnect with the power source (Buzzer is activated)
4. Disconnect the White Wire from GND
5. All system settings and codes will be back to factory setting

WARNING: Using these procedures the system will delete all user codes, the master code and the auxiliary code. The keypad will be restored to its default settings.

Magnetic Door Sensor (REED) Wire (Brown)
Note: When REED is not connected, please connect this wire to GND. Green LED will flash continuously when REED is not normal.

Wiring Diagram:

Connecting with a E-Lock Power Supply: