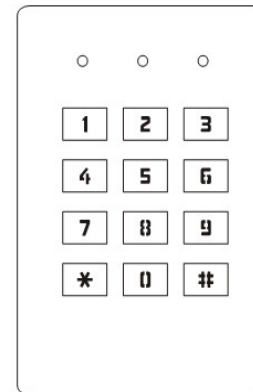


miTEC MKP-3210

DIGITAL KEYPAD

USER MANUAL



(Read the instructions carefully before using)

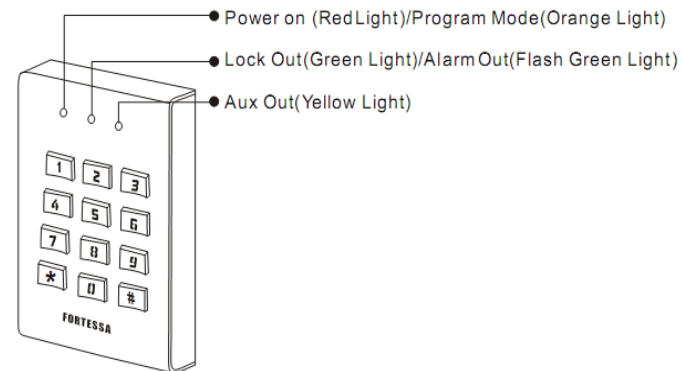
■ **IMPORTANT NOTES:**

1. Make sure the **User Code, Auxiliary code** and **Master code**, are the same length. otherwise, code entry will not be accepted.
2. The system takes approximate 2 to 3 seconds to refresh itself for the new operation mode after the command code is entered. **DO NOT** enter any code during the system is being refreshed until the keypad back-lit on.

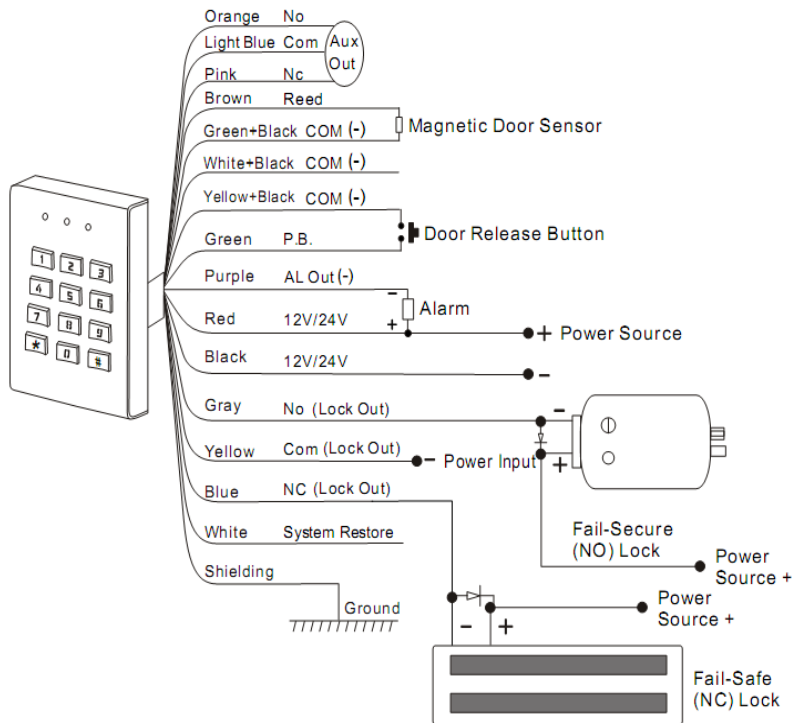
Terminals Description:

Colour	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	NC REED	Magnetic Door Sensor	Connect With a door sensor to the common terminal			
Green+Black White+Black Yellow+Black	COM(-)	REED/PB Common Terminal	The common terminal for REED and PB			
Green				P.B.	Door Releasing Button	Connect with a (NO) button to the common terminal
Purple				AL OUT(-)	Alarm Output	Connect with a flashlight or a siren as an alarm
Red	AC/DC	AC/DC Power Source	Connect with AC/DC 12-24V Source			
Black	AC/DC	AC/DC Power Source	Connect with AC/DC 12-24V Source			
Gray	NO (LOCK OUT)	Normally Opened 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			
Shielding	Ground	Ground	The ground terminal of the hole system			

Indicator:



Wiring diagram



Introduction:

MKP-3210 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-3210** 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-3210 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-3210** is fit for the application in a variety of environments.

Power Source Input:

Connecting with AC/DC 12-24V power supply.

Door Release Button:

Connecting with (N.O.) button to control the Electric Lock Out.

Magnetic Door Sensor (REED):

Connecting with a (N.C.) magnetic door sensor (REED). If the door is forced 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 located on the rear for resisting tamper. There will be an alarm as it is activated.

Alarm Output:

Labeled as (ALOUT), the maximum output loading is DC 12V/ 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)

Programming Summary:

[Notes: The keypad has to be in its normal state (the Tamper Button is being pressed and the Reed wire is connecting with COM-) before entering the Programming Mode.]

(1) Program or change the master code: (Default = 1234)

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

(2) Program or change user codes: (Default=01 User 3333)

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

(3) Program or change additional user codes:

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

[Notes: The default code length of the system is four digits. The code length will be changed following the master code length is changed]

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

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

[Notes: The lock output operating time works with a door magnetic sensor. After entering a user code, if the door is being opened, the system will re-lock the door when the sensor return to its original position. Otherwise, the door will be locked when the lock output time is due]

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

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

(6) Delete user codes:

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

(7) 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 incorrect password or 20 consecutive incorrect digits]

(8) Select operating mode:

MMMM MMMM *52 0# 0 = Normal Mode
MMMM MMMM *52 1# 1 = Bypass Mode

(9) Select incorrect code protection: (Default = 20 incorrect digits)

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

(10) Program the Bypass Mode Starting Code:

MMMM MMMM *54 BBBB# BBBB = Bypass Mode Starting Code

(11) Set alarm output mode: (Default C = 0)

MMMM MMMM *55 C# C = 0 to disable
C = 1 to enable door forced open detection for alarm output
C = 2 to enable tamper switch for alarm output
C = 3 to enable door forced open detection and tamper switch for alarm output

(12) Set alarm output time:

MMM MMMM *56 TTT# TTT = 001~999 (Seconds)
TTT = 000 (Latch Mode)

(13) Select auxiliary output mode: (Default C = 7)

MMMM MMMM *57 C# C = 0 to disable
C = 1 to enable door monitor for auxiliary output*
C = 2 to enable incorrect password for auxiliary output*
C = 3 to enable * or bell push button for auxiliary output*
C = 4 to enable temper switch for auxiliary output*
C = 5 to enable door forced open detection for auxiliary output*
C = 6 to enable lock output detection for auxiliary output
C = 7 to enable the programmed auxiliary code for auxiliary output

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

(14) Set auxiliary output operating time: (Default = Latch Mode)

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

(15) Restore system to default settings:

1. Disconnect from the power source
2. Connect the System wire (White) to COM- (Shielding)
3. Reconnect with the power source, then the buzzer is activated
4. Disconnect the white wire from COM-
5. All settings and codes will be restored to default settings

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

(16) Magnetic Door Sensor (REED) Wire (Brown):

The REED wire is designed for connecting with a magnetic door sensor to perform its function. The function can be disabled by connecting the REED wire with COM-.The REED wire must not be left unconnected, since it will interfere the operation of the system.