# KP41 User  Manuel

**1. Programmable Functions (Locktronix KP41 Manual)**
Relay latching or momentary
Relay activate independently or together
Change Codes 1 master, 1000 users & proximity cards (KP41)
Door open detection

**2. Programmable Timers**
Door relay time 00-99 seconds
Alarm time 00-99 minutes

**3.Wiring Connections**
Electric Lock
External Bell
External Push Switch
Magnetic Contacts
Alarm

**4. Keypad:**
12 keys, 1 Bell button

**5. Programming memory:**
Non volatile Eeprom memory

**IMPORTANT INFORAMTION**
There are no user serviceable parts contained within the KP41

If holes are to be drilled before mounting onto a wall, check for hidden cables and/or pipes before drilling. Use
safety goggles when drilling or hammering in cable clips.

Every effort has been made to provide accurate information, however slight variations can occur.
We also reserve the right to make changes for product improvement at any time

**NOTE**
**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL THE KP41.**

**1.** Attach the rear plate to a single or double gang electrical box or secure to the wall firmly with at least three flat head screws.

**2.** When wiring has been completed, attach the front cover to the rear plate.

## KP41 User Manuel



Figure1

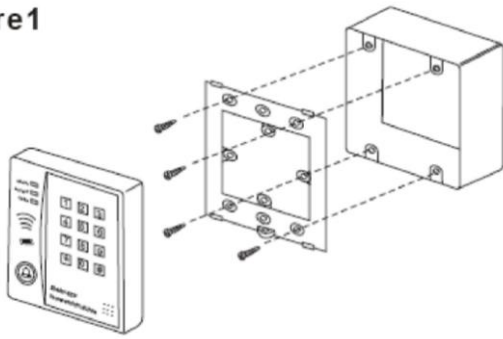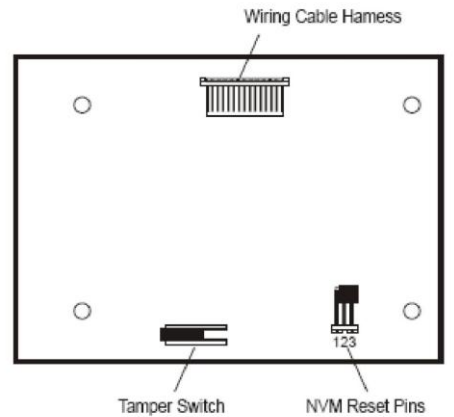Figure2

Wiring Cable Hamess

Tamper Switch          NVM Reset Pins

1. Unplug the cable harness and connect the necessary cables, (See Figure 3).
2. Tape any wires that are unused.
3. Plug the cable harness, (See Figure 2)
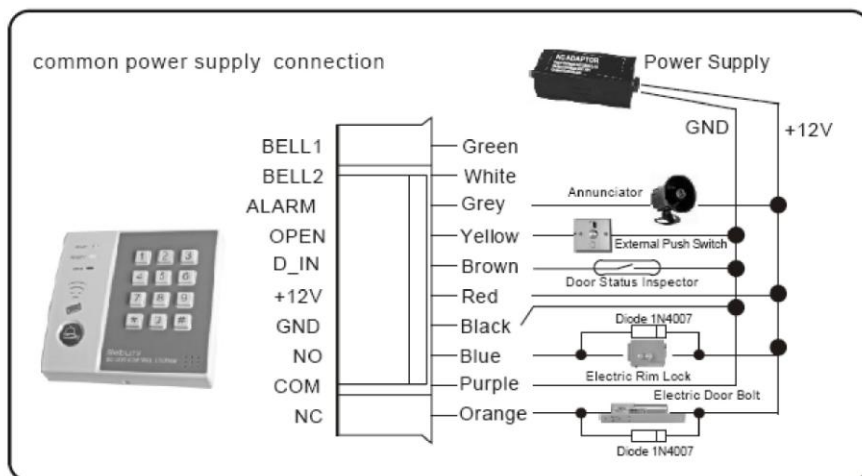4. Attach the front cover, (See Figure 1).

## Terminal Wire Connector 1 Function

| | | |
|---|---|---|
| BELL1 | Green | Bell Push Button |
| BELL2 | White | Bell Push Button |
| ALARM | Grey | Alarm |
| OPEN | Yellow | To Door Remote Control Button Then Negative |
| D_IN | Brown | To Door Contact Then To Door In |
| 12V | Red | (+) 12Vdc Positive Regulated Power Input |
| GND | Black | (-) Negative Regulated Power Input |
| NO | Blue | Door Strike Relay N/O |
| COM | Purple | Door Strike Relay Com |
| NC | Orange | Door Strike Relay N/C |

**Do Not Plug Adaptor Our Transformer Into Mains Until All Wiring Has Been Completed And The Front Cover Secured.**

## Figure2



**Power Up**

After all wiring is complete and the unit face plate is attached to the back plate, apply 12Vdc power to the unit. Ready LED illuminated and accept LED flashing.

**Engineer Programming Mode KP41**

**To enter programming mode**

Press: * 9999 # within 5 seconds, Ready and Accept LED illuminated, Open LED flashing.

**Note**

Press: # to save changes and exit engineer programming, when all programming has been completed otherwise changes will not be saved.

**Changing Master & User Codes KP41**

In engineer programming mode:

**To change Master code**

Press: 0 new master code # re-enter new master code #

Upon acceptance Open LED illuminates and stops flashing.

Press * after changing the master code, otherwise unit will disregard the new code and revert back to the factory default code.

Note: the master code must be 4-8 digit number.

**Adding User Codes KP41**

**To Add User and User Codes KP41**

*Press:* 1    user code    #    user identification    #

*Note:* the user identification must be 3 digit number within 000-999 and the user door release must be 6 digit code.

**Adding User Codes & Cards KP41**

**To Add User cards & codes KP41**

Press: **1    read card user identification    #**

Note: the user identification must be 3 digit number, if adding more than 1 card, read the next card after inputting the 3 digit code for the previous card, when you have finished adding all cards press the    **#**    key.

1st card must be 000 up to 999.

Then the KP41 control station added a user card it was auto added a user code with 1234.

**Delete User Code KP41**

There are 3 options to delete a user card or cards, in engineering mode.

a.) Press: **2    0 0 0 0    #** to delete all user codes.

b.) Press: **2 user door release code #** to delete

used this door release code of all users.

c.) Press: **2 user identification number #** to delete individual user

Then press    **#**    again to exit engineer programming.

**Delete User Card or Cards KP41**

There are 3 options to delete a user card or cards, in engineering mode.

a.) Press: **2    0 0 0 0    #** to delete all user cards

b.) Press: **2    read card    #**    to delete individual user card

c.) Press: **2    user identification number    #**    to delete individual user card

**User Operation Mode KP41**

There are 3 different options for user operation mode, card only, card and password, valid code.

The optioned used is common to all users.

Press: **3    0 0    #** valid card only

Press: **3    0 1    #** valid card and password

Press: **3    0 2    #** valid card or password

**Setting Door Relay Strike Time**

The door relay output can be operated as either normally opened or normally closed, a maximum current of 10 ampere can pass through the relay if used as normally opened or 5 ampere if normally closed. The door relay time can be set from 0 seconds to a maximum of 99 seconds. The factory default setting is 6 seconds and can be changed through the keypad.

Press: **4**   **new time from 00-99 seconds**   **#**

**Setting Alarm Signal Output Time**

Press: **5**   new time from 00-99 minutes   **#**

**Setting Door Open Detection**

Press: **6**   **0**   **0**   **#**   to disable this function (factory setting)
Press: **6**   **0**   **1**   **#**   to enable this function.

In order for this feature to work, door contacts must be connected. There are 2 programming functions that work together in this mode.
a.) If door not closed after opening, keypad buzzer sounds.
b.) If door forced open, keypad buzzer sounds and sends alarm signal.

**Setting Security Arrangement KP41**

There are two levels of keypad security available for KP41.
Press: **7**   **0**   **1**   **#**   entered 4 wrong passwords in succession, the keypad is locked for 10 minutes.
Press: **7**   **0**   **2**   **#**   entered 4 wrong passwords in succession, the keypad activates and alarm signal.
To disable this feature:
Press: **7**   **0**   **0**   **#**   factory default setting.

**Setting Security Arrangement KP41**

There are two levels of keypad security available for the KP41.

Press: **7**   **0**   **1**   **#**   to read 10 invalid cards or valid cards, then enter 4 wrong passwords in succession, the keypad is locked for 10 minutes.

Press: **7**   **0**   **2**   **#**   to read 10 invalid cards or valid cards, then enter 4 wrong passwords in succession, the keypad activates and alarm signal.
To disable this feature:

Press: **7**   **0**   **0**   **#**   factory default setting.

**Resetting To Factory Default Setting**

To revert all settings to the factory default values then the Non Volatile Memory (Eeprom) must be reset.

Reset Non Volatile Memory by switching of the power and placing the jumper connector onto the pins 1 & 2 as per figure 2. After switching power on remove jumper, the KP41 will give a beep and is now reset to factory default values.

**Changing User Password Code KP41**

Press:   *   user password   #
user identification number   #   **new password**   #
re-enter new password #

**Changing User Password Code KP41**

The factory default setting for each user password code 1234, this can be modified so that each user has a unique individual 4 digit code.

Press:   *   **read user card user password**   #
**new password**   # **re-enter new password**   #

**Using Password Code to release the door**

Press:   **user passoword**   #

**Using Password Code to release the door**

Press: **user passoword #**

Technical Specification

| | | |
|---|---|---|
| DC Supply Voltage | : | Low voltage input 9-14Vdc unregulated |
| Current Consumption | : | 100mA @ quiescent maximum |
| Door Relay | : | 5Amp 12Vdc |
| Tamper Protection | : | Negative loop, normally closed |
| KP41 | : | 1 Master, 1000 cards and 1000 codes . |
| Keypad | : | 12 keys, 1 bell push button, 3 LED status indicators |
| Card Types | : | EM or EM compatible |
| Card Frequency | : | 125KHz |
| Induction Distance | : | 5-15cm |
| Wiring Connections | : | Electric lock |
| | | Remote door control |
| | | Door open detection |
| | | External door bell |
| | | External Alarm |