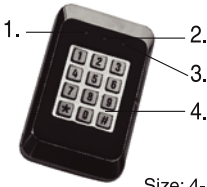


# DOLKSF250 METALLIC KEYPAD MANUAL



Size: 4-1/2" x 2-7/8" x 3/4"

## 1. FEATURES

1. Power LED
2. Door Open LED
3. Program LED
4. Keyboard

## 2. FUNCTIONS & FEATURES

- a. Vandal Resistant, Water Resistant, Shock Resistant
- b. AC/DC Power Supply
- c. 250 Users
- d. Administrator Settings
- e. Door Status Detect; If the door does not close, the system will alarm (separate door contact required).
- f. Programmable Unlock Time 1 - 99 Seconds
- g. Two password lock modes to choose from
- h. Request To Exit Button Input.

## 3. SPECIFICATIONS

- a. Operating Voltage: AC/DC 10 - 18V
- b. Operating Current: <80mA
- c. Standby Current: <27mA
- d. Relay Current: 2A

## 4. OPERATION

Before operating, please connect all necessary wires according to the wiring diagram. When the system emits a short "beep" and the blue LED is illuminated, the system is powered and ready to program.

**Operating Mode 1 – Unlock by password** (when relay time delay is set between 1 - 99 seconds).

1. Input "user password (2-8 digits)" + #
2. If the password is valid the keypad will emit a short "beep" and the yellow LED will illuminate momentarily.
3. If the password is invalid or entered incorrectly, the keypad will emit a short "beep" and the red LED will illuminate momentarily.

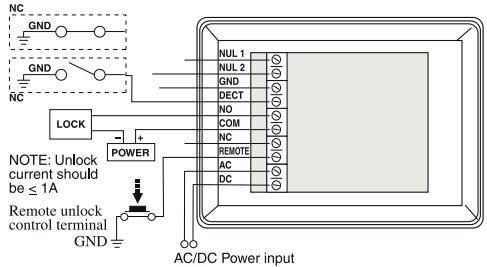
**Operating Mode 2 – Unlock and lock by password** (when relay time delay is set to 00). This is also referred to as a "toggle" mode.

- **Unlock by Password**
  1. Input "user password (2-8 digits)" + #
  2. If the password is valid, the keypad will emit a short "beep" and the yellow LED will illuminate momentarily.
  3. If the password is invalid or entered incorrectly, the keypad will emit short "beep" and the red LED will illuminate momentarily.
- **Lock by Password**
  1. Input "user password (2-8 digits)" + #
  2. If the password is valid the keypad will emit a short "beep" and the yellow LED will illuminate momentarily.
  3. If the password is invalid or entered incorrectly, the keypad will emit a short "beep" and the red LED will illuminate momentarily. \*\* This feature is only active if an optional door contact is installed on the door and wired into the keypad.

**Operating Mode 3 – Request To Exit Button Input**  
If "Remote Unlock Control Terminal" is connected to the unlocking button, you can press the request to exit button to open the door. (Request To Exit Button Not Provided).  
**Notes:**

1. You can press the "\*" key to reset your entry.
2. When inputting digits into the keypad, if you do not confirm the entry within 10 seconds, the system will automatically reset.
3. If the door didn't close, the keypad will emit a long "beep", and the red LED will illuminate. Press any key to cancel the alarm; the red LED will remain illuminated until the door is closed securely.

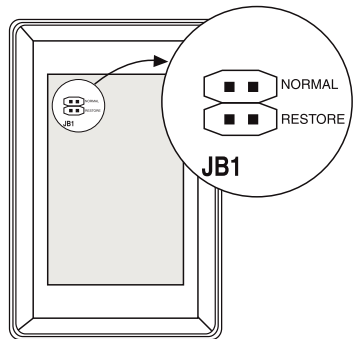
## 5. WIRING DIAGRAM



### Terminals:

- NUL1: empty
- NUL2: empty
- GND: negative terminal
- DECT: door-status-detect input
- NO: NO terminal for electrical output
- COM: electrical lock common terminal
- NC: NC terminal for electrical output
- REMOTE: remote unlock input terminal
- AC: 12V DC/AC terminal
- DC: 12V DC/AC terminal

## 6. RESET KEYPAD TO FACTORY DEFAULTS



- a. Remove Power from the keypad.
- b. Remove the "NORMAL" jumper and place on the "RESTORE" Terminals
- c. Connect Power to the keypad
- d. Remove the "RESTORE" jumper and replace on the "NORMAL" Terminals

**Note:** Be certain to replace the jumper to "NORMAL" terminals or the keypad will not function.

## 7. SYSTEM PROGRAMMING

### A. Entering the Programming Mode

a. Input "# + Administrator Password" (4 digits) + "#". The keypad will emit a short "beep" and the red LED will start to flash if the Administrator Password is correct. You are now in the programming mode.

Notes:

1. The factory default administrator password is 1234.
2. All programming functions are accessed only after entering the programming mode.
3. Press the "#" to exit the programming mode.

### B. Change the Administrator Password

a. Enter the programming mode: "# + "Admin password (4 digits)" + "#"

b. Input "0" "0" "0"

c. The system will emit a short "beep"

d. Input "The New 4 Digit Code" + "# + "The New 4 Digit Code"

e. If the system emits a short "beep", the new password was accepted. If the new password is not accepted, the keypad will emit a long "beep"

Example:

1. "0" "0" "0"
2. "1234" + "# + "1234" This sets the new administrator password as 1234

### C. Setting User Password

a. Input a memory space number 001 - 250, example: "0" "0" "1" for space number 001.

b. If that space is available, the keypad will emit a short "beep". It does nothing if the space is occupied.

c. Input "The New User Code (2-8 digits)" + "# + "The New User Code (2-8 digits)"

d. The system will emit a short "beep" if the entry is successful.

Example:

1. "001" + "54321" + "# + "54321" This sets a new user code into memory space one of 54321

### D. Setting Unlock Time

a. Enter the programming mode: "# + "Admin password (4 digits)" + "#"

b. Input "2" "5" "1"

c. The system will emit a short "beep" if you entered this step correctly.

d. Input "Delay Value Time 00-99" + "# + "Delay Value Time 00-99"

e. The system will emit a short "beep" if the time entered is successful

**Note:** A delay value time of 00 sets the relay into latch mode and will require a user code to turn on the relay, and another entry of the user code to turn off the relay. A value of 01 is a relay delay time of 1 second, and an entry value of 10 is a delay time of 10 seconds, and so on.

Example:

1. "251" + "10" + "# + "10". This entry sets the relay delay time to 10 seconds.

### E. Door Polarity Settings

a. Enter the programming mode: "# + "Admin password (4 digits)" + "#"

b. Input "2" "5" "2"

c. The system will emit a short "beep" if you entered this step correctly.

d. Input either "0" or "1" or "2" + "# + either "0" or "1" or "2" again.

e. The system will emit a short "beep" if the time entered is successful.

**Note:** The value to enter either the "0", "1" or "2" is based upon the wiring of the door contact sensor. Use "0" for NC, use "1" for NO, use "2" to turn this feature off if you are not using a door contact. Normally Closed (NC) is used if when the door is closed the door sensor magnet is closed. Normally Open (NO) is used if when the door is closed the door sensor magnet is open.

### F. Delete All User Passwords

a. Enter the programming mode: "# + "Admin password (4 digits)" + "#"

b. Input "2" "5" "3"

c. The system will emit a short "beep" if you entered this step correctly.

d. Input "8888" + "# + "8888"

e. The system will emit a long "beep" if you completed this entry successfully.

## WARRANTY

The warranty period of this product is 24 months, beginning from the manufacturing date. During this period, if the product does not operate correctly, due to a defective component, the product will be repaired or replaced at the sole discretion of Transmitter Solutions. This warranty does not extend to the product casing which can be damaged by conditions outside of the control of Transmitter Solutions.



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