

■ **IMPORTANT NOTES:**

1. Make sure the **User Code**, **Auxiliary code** and **Programming 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 light is on.

■ **Specification:**

- Power Supply : 12 to 24V AC/DC
- Dimensions : 80W x 120H x 35.5Dmm
- Weight : 540g
- 12V Input:
 - Stand-By Current : 52mA Relay Contact
 - Operation Current : 132mA Rated
- 24V Input:
 - Stand-By Current : 24.5mA
 - Operation Current : 58.3mA

FORTESSA FTK3

DIGITAL KEYPAD

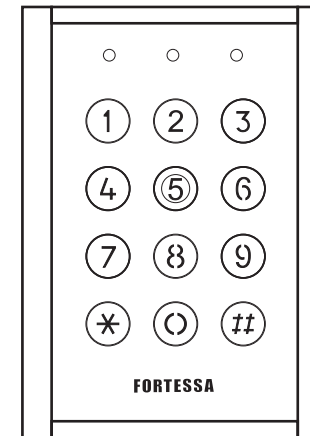
USER MANUAL

Thank you for purchasing the FORTESSA FTK3 Digital Keypad.

Its Stainless Steel Vandal resistant construction enables it to be used in many environments both internally and externally.

Designed with the contractor in mind the FTK3 digital keypad is simple to install yet boasts numerous additional features such as door monitoring, alarm signal output, door release input and auxiliary relay output.

The non-volatile memory also ensures all data programmed is not lost in the event of a power failure.



(Read the instruction carefully before operation)

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■ Introduction

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 sounder 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. For the user which have user ID from 20 to 99)

■ LED indicators

Power (Red / Yellow)

Red indicates the normal state. Yellow indicates the programming mode

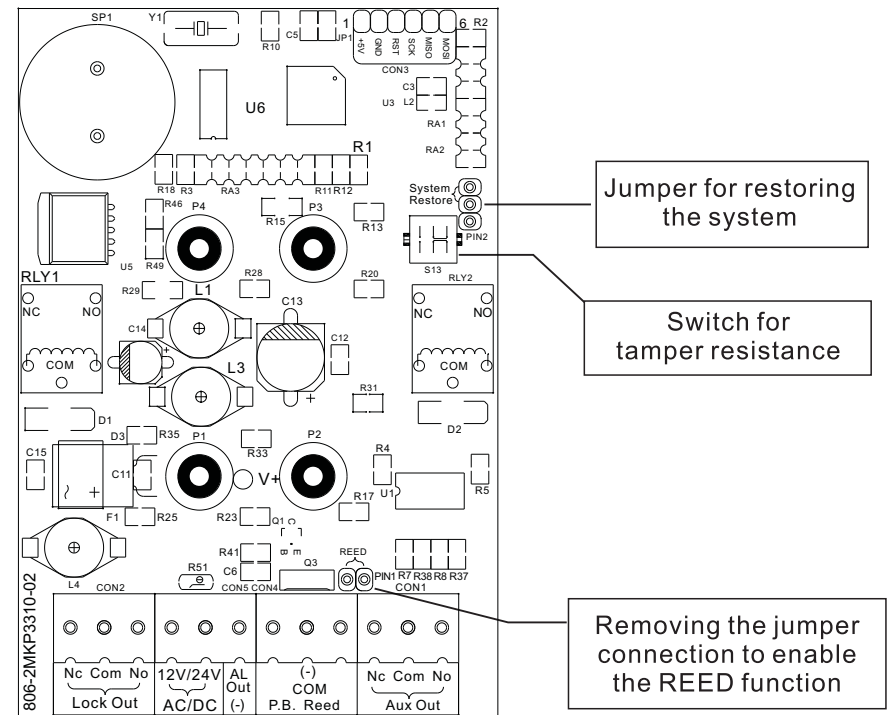
Armed (Green)

Green indicates activated lock output. Flashing indicates that the magnetic door sensor is triggered or there is an alarm output

Auxiliary (Yellow)

Yellow indicates activated auxiliary relay output

■ Back View:



(9) Select incorrect code protection: (Default = 20 incorrect digits)
 MMMM MMMM *53 0# 20 consecutive incorrect digits
 MMMM MMMM *53 1# 5 time incorrect password

(10) Program the Latching Mode Starting Code:
 MMMM MMMM *54 BBBB# BBBB = Latching 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 tamper switch for alarm output
 C=3 to enable door forced open detection and tamper switch for alarm output

(12) Set alarm output time:
 MMMM 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 tamper switch for alarm output *
 C=5 to enable door forced open detection for alarm output *
 C=6 to trigger P.B switch detection for enable door open
 C=7 to correct AUX password for enable door open

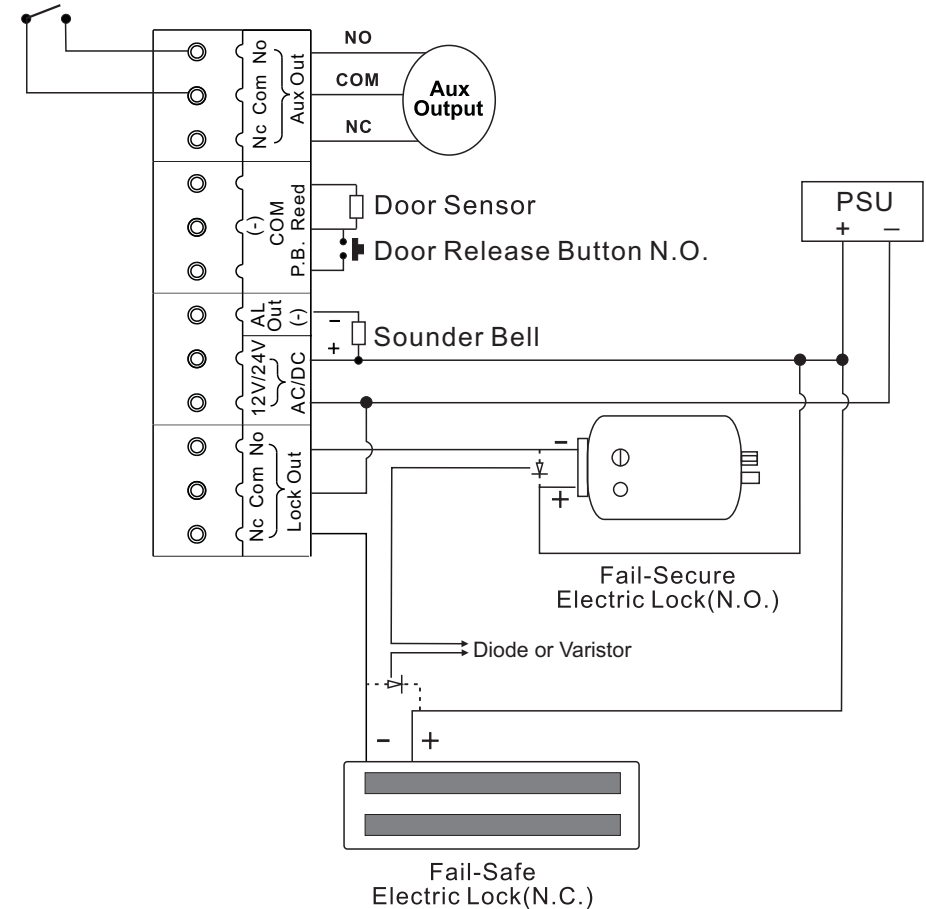
[Note: Enable function 1-5 must change the auxiliary output operating time more than 1 second. (DON'T setting timer 000 in the function 1-5, because it will lead the auxiliary output to a failure)]

(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 factory setting:
1. Disconnect from the power source
 2. Connect the System Restore jumper connection
 3. Reconnect with the power source, then the buzzer is activated
 4. Disconnect the System Restore jumper connection
 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 programming code and the auxiliary code. The keypad will be restored to its default settings]

B) Connection With Electric Locks



A DC power supply is required for Fail-Safe locks
 *Either Diode or Varistor can be used