IMPORTANT NOTES:

- 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)

Distributed by:

Audio Visual Security 10 Sandersons Way Marton Blackpool FY4 4NB

Sales Tel No: 01253 791 888 Fax No: 01253 791887 Technical No: 01253 792898 General Enquiries: sales.avs@adivision.co.uk www.audiovisualsecurity.org.uk

■ 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

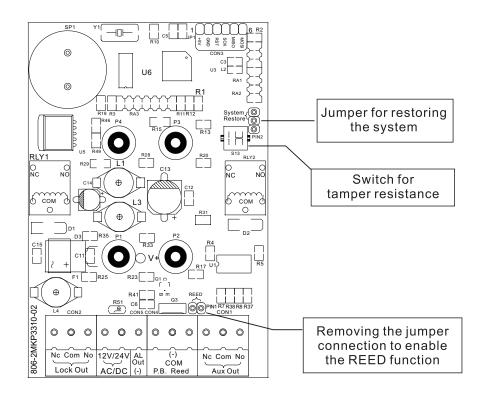
Armed (Green)

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:



■ Terminal Description:

Terminals		Description	Remarks
LOCK	NC	Normally Closed Lock Output	Connect with a fail-safe (NC)Lock
	сом	Common Terminal	The common terminal for the lock output
	NO	Normally Opened Lock Output	Connect with a fail-secure (NO)Lock
AC/DC		AC/DC Power Input	Connect with AC/DC 12-24V Power Source
AC/DC		AC/DC Power Input	
AL OUT(-)		Alarm output	Connect with a flashlight/sounder as an alarm
P.B.		Door Release Button	Connect with a door releasing button to COM
СОМ		REED/PB Common Terminal	The common terminal for REED and PB
REED		Magnetic Door Sensor	Connect with a door sensor to COM
AUX OUT	NC	Normally Closed Auxiliary Output	Designed for connecting with dfferent security systems
	СОМ	Common Terminal	
	NO	Normally Opened Auxiliary Output	

■ Programming Summary:

[Notes:Tamper switch has to be closed. The programming code only allows changes to the parameters & user codes, the programming code will not operate the lock.]

(1) Program or change the programming Code: (Default = 1234)

MMMM MMMM *00 "code" # MMMM = Programming Code

code = New Programming 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 programming code length is changed]

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

MMMM MMMM \star 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 entering 5 time incorrect password or 20 consecutive incorrect digits]

(8) Select operating mode:

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

[Normal Mode: Normal Operation, access entry by user password Latching Mode: By entering the "latching code" the relay will latch allowing free entry until the "latching code" is re-entered]

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

(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)

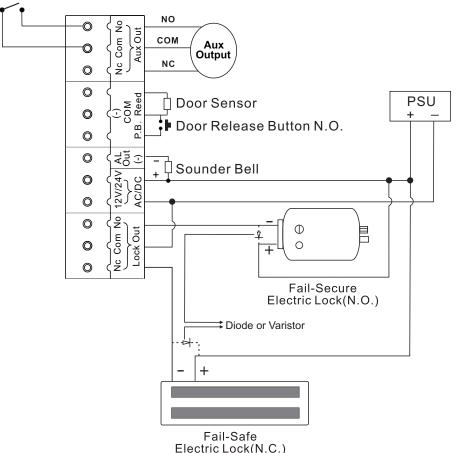
MMMM MMMM *58 TTT# TTT = 001-999 (Seconds)

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



Electric Lock(N.C.)

ADC power supply is required for Fail-Safe locks

*Either Diode or Varistor can be used