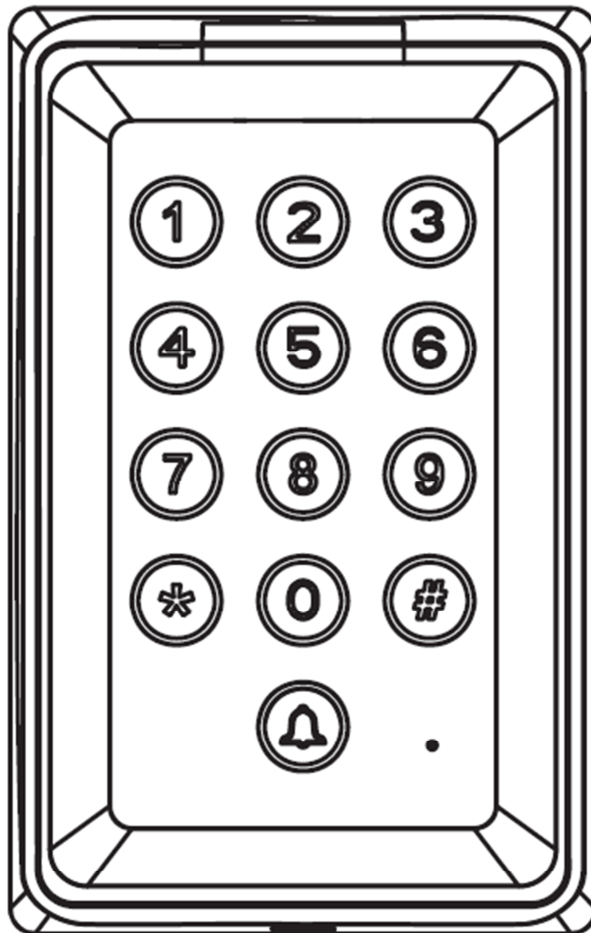


FORTESSA

CONTROLLED ACCESS BY DESIGN

FTK5 PROXIMITY KEYPAD

Before using the unit, please read the instructions and retain for future reference



There are 600 user codes (fobs or cards) and 1 programming code:

Careful administration records will be required for future reference, please refer to last page of the instructions for an example sheet.

Important Note:

If a code is required then this has to be programmed with a fob or card

To add fob or card

From quiescent state: **Constant Blue LED** (default)

Enter programming code: i.e. **1 2 3 4, 1 2 3 4** (default unless changed) – Long beep, Yellow LED

Enter user ID from 001-600: i.e. *** 002** (alternating flashing green/amber) if you hear a double beep and constant green LED then the user ID has already been programmed and will require deleting first before programming

Then: **Swipe card/fob** (single beep alternating flashing green/amber)

You can then swipe the next card or fob for the next consecutive User ID will be used.

To exit programming mode press: **#**

To add fob/card and user code

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Enter user ID from 001-600 i.e: *** 002** (alternating flashing green/amber) if you hear a double beep and constant green LED then the user ID has already been programmed and will require deleting first before programming

Enter user code: **X X X X** - (X=Code) (double beep) **then Swipe card/fob** (beep)

You can then insert the next user code and swipe fob for the next consecutive User ID will be used.

To exit programming mode press: **#**

Access Modes:

The keypad can operate in a choice one of 3 modes (default = **0**)

0: Either Fob/Card or code

1: Card only

2: Card/Fob & code required

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed)

Enter: *** 8 1 0 M #** (M = above modes 0, 1, 2)

Note:

If a button is not pressed within 30 second the keypad will exit the programming menu

Careful administration records will be required for future reference, please refer to last page of the instructions for example sheet

To Change the Lock Output Time (Default 5 Seconds)

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Enter: *** 8 2 0 T T #** (T T equals time in seconds i.e. 08 for 8 seconds)

To Delete User ID fob/card and user code

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Either

To Delete **All Users**, Enter: *** 8 5 0 1 0 0 0 #**

To Delete Individual Users: *** 8 5 0 1 X X X #** - (X = User ID)

To Delete Consecutive Users: *** 8 5 0 2 S S S * E E E #** (i.e. to delete User ID 015-023),

example enter: *** 8 2 015 * 023 #** to delete card numbers for 15-23 (X = User ID)

To Change the Programming Code (engineers Code)

This code will only allow access to the programming menu functions and will not operate the lock output

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Enter: *** 0 0 0** (double beep, constant amber LED)

Enter New Programming code: **X X X X #**

To Insert a Programming Card/Fob (This Card/Fob will not operate the Lock)

This card/fob will only allow access to the programming menu functions and will not operate the lock output

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Enter: *** 8 8 8** (double beep, constant amber LED)

Then **Swipe card/fob** (beep)

BACKLIGHT MODE

Backlit Mode	Description	
0	Disabled	No backlit Light - only illuminates on key press
1	Enable	Always On
2	Automatic + Timer	Back light illuminates when a key pressed or fob/card and remains illuminated for 10 seconds after the last key press

From quiescent state: Constant Blue LED (default = 1)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 9 X #** - (X = Backlit Mode)

To programme AUX Code

The AUX Code operates the AUX Output (no default code)

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Enter: *** 8 4 0 X X X X #** - (X = AUX Code) Swipe Card/fob if required

Keypad Lock Out – Incorrect Code Entry

Option to lock the keypad for 30 seconds on 4 incorrect code entries only, when the keypad is in the lock mode the proximity sensor is also disabled

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 1 #**

Repeat above process to toggle on or off

Change Incorrect Code Input Mode (Default 1)

Option for inputting of codes

20 Digit = 0: You can enter up to 20 digits to enter the code without an error tone

Code Set = 1: You can only enter 4 digits before an error tone (if programmed for 4 number code)

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 3 0 #** - For 20 consecutively digit number entry before error tone

Enter: *** 8 5 3 1 #** - For Code Set, 4 digit number entry before error tone if incorrect code entered & depending on code length

Change Toggle Code

Toggle code once entered will permanently override the lock until the Toggle code has been re-entered (i.e. for deliveries).

Note: For the toggle code to operate the **Toggle Mode** will need to be set. This mode NOT suitable for failsecure locks.

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 4 X X X X #** - (X = Bypass Code)

Change Toggle Mode (default = normal mode)

Option required if **Toggle Code** is required, when the **Toggle Code** has been entered the lock will operate and remain unlocked until the **Toggle Code** has been re-entered

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 2 0 #** - Normal Mode

Enter: *** 8 5 2 1 #** - Bypass Mode

ALARM OUTPUT MODE

Alarm Output Mode		Description
0	Disabled	Alarm Output Inactive
1	Door Contact	1) Alarm output will activate if the door contact is open
2	Tamper	Alarm output will activate on tamper activation
3	1 or 2	Either Mode 1 or 2 will activate the alarm Output

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 5 X #** - (X = Above Alarm Output Module)

To Change Alarm Output Time (Default 030 Seconds)

When the alarm output is activated the keypad tone will also sound, an active fob or code will be required to reset the keypad


From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

Enter: *** 8 5 6 T T T #** (T T T equals time in seconds i.e. 008 for 8 seconds)

AUX OUTPUT MODE

In mode 5, you trigger AUX but detecting Reed, if Reed is triggered without a correct password or PB.

AUX Output Mode		Description
0	Disabled	Aux Output Inactive
1	Incorrect Code	Operates AUX Output from incorrect code or fob entry
2	Password Error ¹	Incorrect Code or fob entry (dependant on section Change Code Input Mode)
3	Press the * or the  ¹	This feature could be used as doorbell button which operates AUX Output
4	Tamper activated ¹	Operates the AUX output
5	Door forced ¹	Door opened (reed activation) with correct code/fob or push button activation
6	Activate P.B. ¹	Operates AUX Output when the push button has been operated
7	AUX Code	AUX code entered activates output

¹ If the AUX output time is left at 000 then operation will not work

AUX Output Mode (See table above)

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (default unless changed)

Enter: *** 8 5 7 X #** - (X = Above Aux Output Mode)

To Change the AUX Output Time (Default 000 Seconds)

From quiescent state: Constant Blue LED (default)

Enter programming code (default 1234): **1 2 3 4, 1 2 3 4** (unless changed) – Long beep, Yellow LED

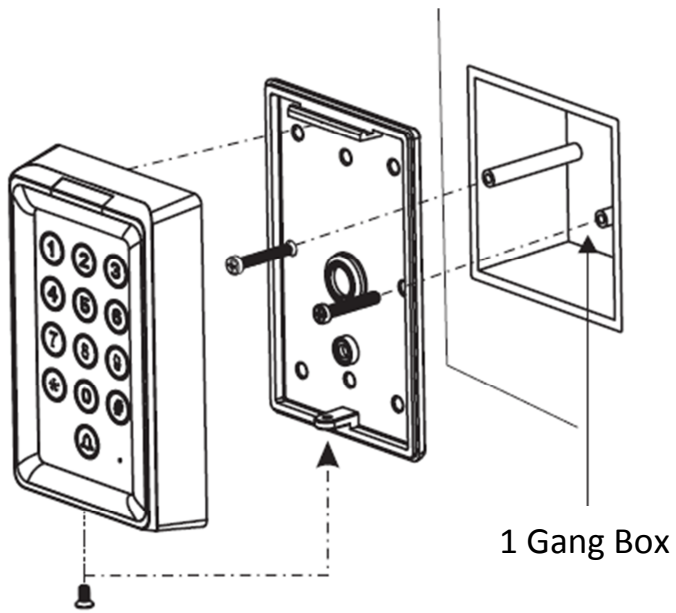
Enter: *** 8 5 8 T T T #** (T T T equals time in seconds i.e. 008 for 8 seconds)


FACTORY RESET or SYSTEM RESTORE

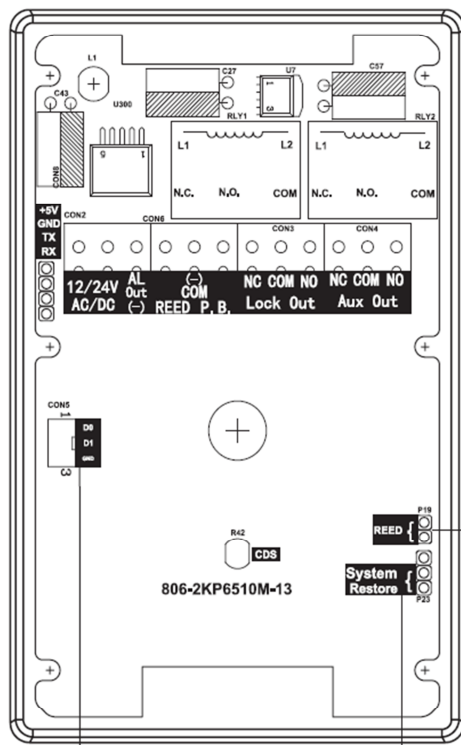
Remove Power to the keypad


Insert the jumper on the printed circuit board marked as **“SYSTEM RESTORE”**

Restore Power, wait 5 seconds then remove the shorting jumper pin

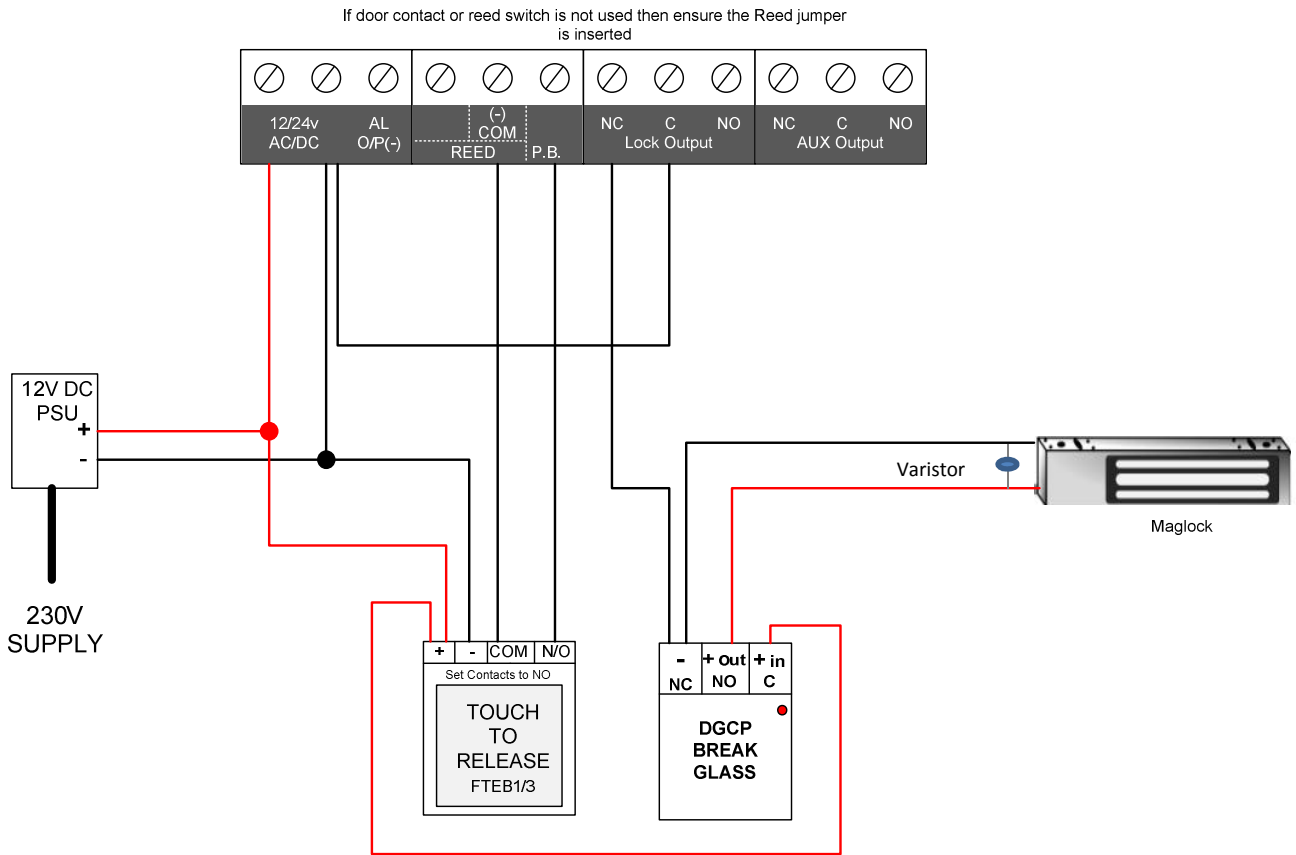


 Door magnetic switch
 * If using the magnetic door status monitoring Functions, please remove the short circuit socket.

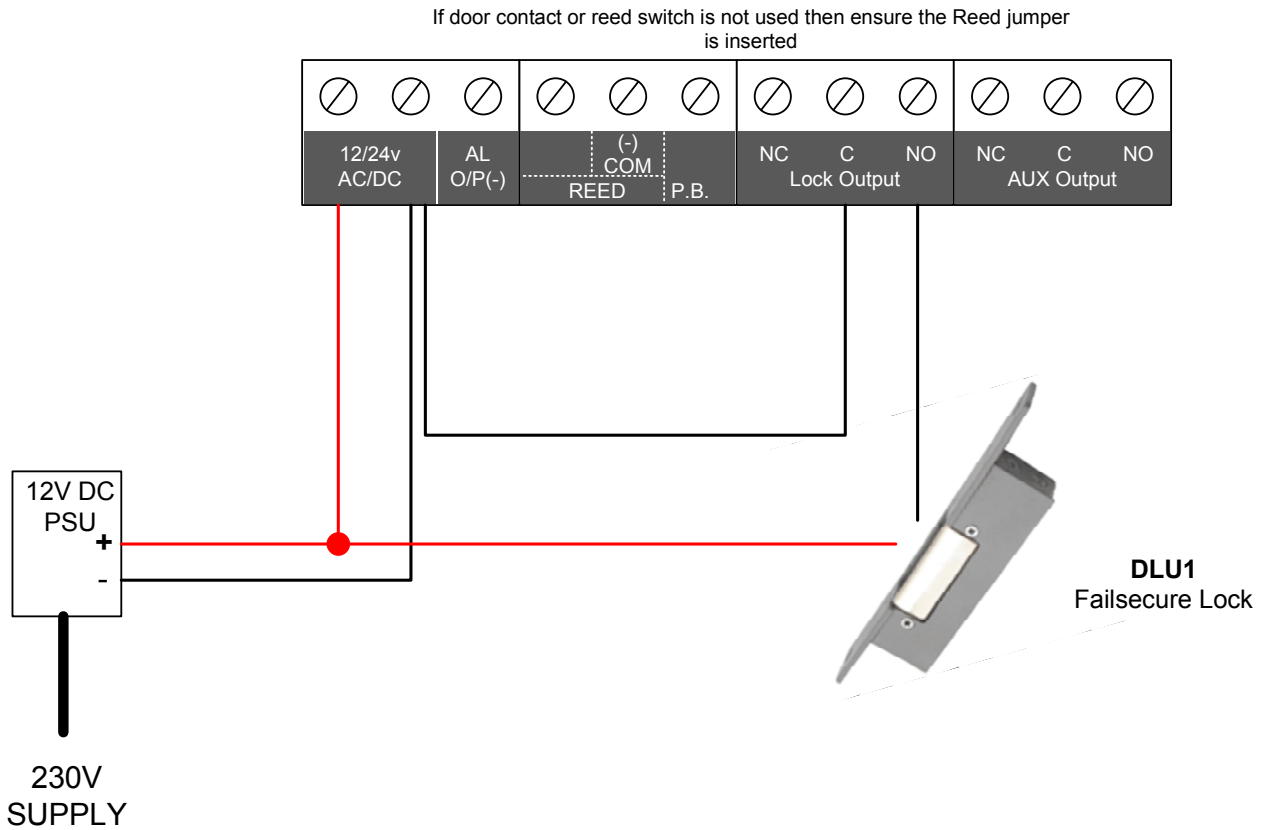


 System reset circuit socket

Wiring Diagram Magnetic Lock (Failsafe)



Wiring Diagram DLU1 Lock (Failsecure)



Fob or Card ID Number	Keypad User Number	Named Holder
Example: 0214561967	028	Mrs J Smith
	000	
	001	
	002	
	003	
	004	
	005	
	006	
	007	
	008	
	009	
	010	
	011	
	012	
	013	
	014	
	015	
	016	
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	029	
	030	
	031	
	032	
	033	
	034	
	035	
	036	
	037	
	038	
	039	
	040	
	041	
	042	
	043	
	044	
	045	
	046	
	047	
For Additional	fobs please use blank	sheet on following page

Quick Reference Table

Function	Programming Code	Factory Default	Changed	Notes
Change Master Password	0 0 0	1 2 3 4		
Setup User Password or Fob	001 – 600	0 0 1 = 3 3 3 3		
Access Mode	8 1 0	0 = Card or Code		
Lock Output time	8 2 0	5 Seconds		
Set AUX Password	8 4 0	None		
Delete User	8 5 0			
Keypad Lockout (incorrect entry)	8 5 1	Off		
Toggle Mode	8 5 2	0 = Normal Mode		
Incorrect Code Input Mode	8 5 3	0 = 20 key presses		
Change Toggle Code	8 5 4	None		
Alarm Output Mode	8 5 5	0 = Disabled		
Alarm Output Time	8 5 6	0 3 0 = 30 Secs		
Change AUX Output Mode	8 5 7	7 = AUX Password		
Change AUX Output Time	8 5 8	0 0 0 = On/Off		
Backlight	8 5 9	1 = Open		
	8 8 8	None		

Specification

26Bit (card) 26 / 34Bit

Power : AC/DC 12~24V +/-10%

Power consumption: 3W

Lock Out: volt free change over contacts Max 24v 3A

Aux Out: volt free change over contacts Max 24v 3A

AL Out (Alarm): Sw- output Max 12v 500mA

Weight: 0.56kg

Size: 79 (W) x 79 (H) x 28 (D)

Card: EM induction card (125 KHz)

Due to our policy of continuous improvement we reserve the right to change specification without prior notice.

Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by Challenger Security Products for any misinterpretation of these instructions.



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