MOUNTING

Drill mounting holes using template provided
Connect keypad using wiring

WIRING DESCRIPTION

BLUE / BROWN	12 to 24VDC (BROWN is Positive)
GREY	Common
RED	N.O.(default) or N.C., 2A,.. Programmable.
WHITE / PINK	Interior switch input (Dry contact only!)
GREEN	Earth

NOTE:
1. For inductive loads such as electric strikes and electromagnetic locks, the enclosed **varistor** must be connected in parallel with the load, at the load terminals and not in the keypad.
2. Ensure power supply is of correct rating, taking into account the current requirements of the locking items and accessories.
3. The interior switch input is via a dry contact between the White & Orange wires. The door strike will activate for the time programmed into the system. This input is disabled during programming and latch mode.

Do not insert security plugs into fixing holes until all installation and testing has been completed!! These items require drilling out and cannot be re-fitted.

LED EXPLAINATION

GREEN LED: Relay activated

RED LED   Normal Operation

3 sec. ON = Wrong Code Entry

Programming Mode:
Fast flashing = Programming functions

Slow flashing = Programming stand-by
Very Fast flashing = Erasing all user codes

TESTING THE KEYPAD

Apply power to the keypad:
The keypad's buzzer will sound briefly, the red LED will illuminate briefly. Initialisation is now complete, with a default master code of 1-2-3-4 and 5-second open door.

Enter the master code: [1 2 3 4 #]:
The Door Relay changes its contacts for 5 sec. The Green LED will light up for 5 seconds.
Repeat this step 2 or 3 times.
If the master code is entered incorrectly, the Red LED illuminates for 3 seconds.
Re-enter the Code as soon as the Red LED goes OFF.

It is good practice to change the factory default master code. There is no way to recover the new Master Code, if it is lost or forgotten however, the unit can be easily reset to Factory Presets and re-programmed again.

PROGRAMMING THE KEYPAD

Enter **1 2 3 4**
The keypad enters programming mode, the red LED flashes.
If no further information is added, the unit will revert to normal operation after a 15 second delay.
To exit programming press #

There are six programming options:
1. Set new master code
2. Set new user code
3. Erase a user code
4. Erase all user codes
5. Set door open time (1-99 seconds)
6. Set output to latch option

1 To set new master code

Enter **1 2 3 4**
The keypad enters programming mode, the red LED flashes
Enter 2
The red LED illuminates for 2 seconds and then flashes
Enter 0-0-0#
The red LED illuminates for 2 seconds and then flashes
Enter new 4-8 digit code
This is the new master code. Record the number and keep in a secure location
Enter #
The red LED illuminates for 2 seconds and then flashes
Re-enter the new master code
The red LED illuminates for 2 seconds and then flashes
Enter # **Enter** #
To exit programming mode

2. To set a new user code

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 2
The red LED illuminates for 2 seconds and then flashes
Enter address of new user code i.e. 001 (001-200 accepted)
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter new 4-8 digit user code
This is the new user code. Record the number and position. Keep in a secure location
Enter #
The red LED illuminates for 2 seconds and then flashes
Re-enter the new 4-8 digit user code
The red LED illuminates for 2 seconds and then flashes
Enter #
The new code is added. To add new codes continue from second step, changing the address each time. When finished enter an additional # to exit programming mode
Re-enter 2 to set the next code, or press # to **EXIT**

3. To remove an individual user code

Only the user codes address are removable, the master code may be changed but not removed

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 3
The red LED illuminates for 2 seconds and then flashes
Enter address to be removed
le-001 (001 – 200 accepted)
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter address to be removed again
le-001 (001 – 200 accepted)

Enter #
The red LED illuminates, flashes & the code is removed
Enter #
To exit programming

4. To remove all user codes

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 4
The red LED illuminates for 2 seconds and then flashes
Enter master code
Enter #
The red LED illuminates for 2 seconds and then flashes for 40 seconds. All code addresses are removed
Enter #
To exit programming

5. To set door open time

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 1
The red LED illuminates for 2 seconds and then flashes
Enter door open time
(01-99) Ex. 05 = 5 seconds
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter #
To exit programming

6. To set output relay to latching mode (On-Off)

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 1
The red LED illuminates for 2 seconds and then flashes
Enter 00
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter #
The relay is set to latching mode
To program the relay for a timed output, please refer to programming option #5

7. To set remote door opening time

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 5
The red LED illuminates for 2 seconds and then flashes
Enter door open time
(01-99) Ex. 05 = 5 seconds
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter #
To exit programming

8. <u>To set remote output to latching mode (On-Off)</u>

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 5
The red LED illuminates for 2 seconds and then flashes
Enter 00
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter #
The relay is set to latching mode
To program the remote output for a timed output, please refer to programming option #7

9. <u>To set output relay to Normally Open (default)</u>

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 6
The red LED illuminates for 2 seconds and then flashes
Enter 0
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter #
To exit programming

10. <u>To set output relay to Normally Closed</u>

Enter **master code**
The keypad enters programming mode, the red LED flashes
Enter 6
The red LED illuminates for 2 seconds and then flashes
Enter 1
Enter #
The red LED illuminates for 2 seconds and then flashes
Enter #
To exit programming

OPERATING THE KEYPAD

Enter user code #
The relay operates and green LED illuminates. If three incorrect attempts are made to enter a user code, the keypad will lock out for thirty seconds and red slowly.

<u>DATA RESET</u>

In the event that programming administration is lost, or errors have been made in the programming, it is possible to erase all programming and reset to default settings.

The default keypad settings are:

Master code   1-2-3-4
User code   5-6-7-8-9-0
Door open time 5 seconds

If the unit has been installed, removing keypad. This will require drilling out (destroying) the anti-tamper plugs.

Remove anti tamper plugs and the keypad from the wall

Press the reset button on the rear of keypad.
The red LED illuminates for 2 seconds and then flashes.
Enter 1-2-3-4 #.
The red LED illuminates for 2 seconds and a continuous tone is heard.
Press the reset button on the rear of the keypad
Enter #.
The red LED illuminates for 2 seconds and then flashes
Enter #
The relay is set to open the door for 5 seconds
Master code   1-2-3-4
User code   5-6-7-8-9-0
For greater security, you should remove user code 5-6-7-8-9-0

<u>TROUBLE SHOOTING</u>

The keypad does not "respond" when activating the keys.

Make sure the electronic unit has been properly wired to the correct power source, and the power has not been cut-off

The keypad "responds" but the door does not open.

Is the green LED illuminated?
If YES, check the output wiring integrity and/or your locking device
If NO, then that User Code has not been programmed into the keypad. Enter the User Code as per programming option.

<u>5-YEAR WARRANTY</u>

Your Piezo keypad is covered for all problems caused by defects in programming, parts, or manufacturing for the lifetime of the product. We will repair or replace, at our discretion, any unit found to be defective in workmanship or materials. Acts of God (including inductive surge by lighting), fire, flood, abuse, misuse, abnormal usage, vandalism, caustic environment faulty installation, inappropriate application, or improper maintenance are not covered.
The warranty is null and void if the supplied MOV is not used as instructed on the strike/magnet circuit.
Since the warranty is tied to the serial number, there can be not warranty on any unit returned with the serial number defaced, removed, transferred, modified, altered, obliterated, or otherwise made unreadable or inaccurate.
If your unit requires service please contact Camden for an RMA number. Collect shipments are not accepted.

Questions?
Call us toll-free at 1-877-226-3369

Push Buttons | Key Pads | Strikes | Magnetic Locks | Key Switches | Relays & Timers | Access Control