TECNOSICUREZZA
Locks & Security Systems

Pulse

User Instructions

Pulse

Company

Founded in 1983 with the aim of providing a complete range of professional products, Tecnosicurezza is now a consolidated reality in the field of locks and security systems for safes.

The experience gained in over 35 years of activity in the security sector has allowed the designing and manufacturing of high technology and reliability systems, which continue to receive the approval of an increasingly demanding clientele.

TECNOSICUREZZA is present directly on the Italian, Spanish and US markets and, through a extensive distribution network, in many EU and extra-EU countries.

TECNOSICUREZZA is aimed at national and international customers of primary importance, such as banks, safe manufacturers, cash in transit companies, mass market retailers and post offices.

Today TECNOSICUREZZA is a leading company focused on the customers' needs and constantly in step with technology.

Pulse

Table of contents

Before operating the lock,
please read this manual thoroughly,
and retain it for future reference.

Important notes!

- Before installing this product, please read carefully the installation and operating instructions.

- Locks have been designed to correctly operate in a temperature range from -5°C (23°F) to + 50°C (122°F) and in an environment with non-condensing humidity between 25% and 90%.

- The lock must not be oiled/lubricated/greased.

- If installed in normal domestic or office environments, the locks do not require particular maintenance; in any case, after 10,000 opening/locking cycles, it is recommended to run a test that verifies the correct and complete operation of the product.

- Use only DURACELL™ 9 Volt Alkaline batteries, or battery holders with DURACELL™ 1.5 Volt Alkaline batteries. Alternatively, it is possible to use a 12VDC - 1A power adapter (p.n. N1212) with relative power supply interface (p.n. T6005/W or p.n. T6005).

- A series of multiple beeps indicate a low battery level which need immediate replacing.

- It is strongly recommended to change the default codes before usage and to keep the new codes safe.

- Do not use codes easily guessed such as 123456, birth dates or based on personal information.

- After changing a code, perform several opening/closing tests before closing the door.

Should the lock label be removed, warranty is void.

Pulse

General information

Using the keypad

To start a time delay counting (if programmed), enter an opening combination: LED flashes every 2s, indicating the counting.

Press any key to stop the time delay counting.

The opening window is indicated by a flashing and a beep alternating at 1s intervals.

The led remains on if the system is in programming mode.

2 short beeps are produced if an operation/code is correct.

A long beep is produced if an operation/code is incorrect.

If an incorrect operation is performed, wait 5 seconds until the led switches off and try again.

Pre-setup & Configurations

In pre-setup mode, press 1 to open the lock and activate the silent alarm. It's possible to open also by inputing 555555 code, in this case the silent alarm is activated by increasing the last digit by one number of the code (555556).
In pre-setup mode, programming can be performed through a Dallas key or by selecting one of the following 4 preloaded configurations:

No. configuration	Maximum number of users	Dual code
0	2	No
1	9	No
2	2	Si
3	9	Si

Note: this programming procedure is not valid for EM6050 locks.

Silent alarm option can be activated in pre-setup mode thanks to a setup Dallas key, or by simply connecting an alarm interface to the lock and entering an opening code.

Select a keypad configuration (only in pre-setup status)

- Hold press the 2 key for few seconds, enter the code 555555 and select the desired configuration number.
- At the end of the configuration only the Manager is installed, with code 123456.
- If all users are blocked and only the manager is enabled, time delay and dual code (if programmed) are not available.

Pulse

Users characteristics & default codes

Manager	*123456 + optional Dallas key* Main user : open, program and change its own code.
Standard users	*XXXXXX + optional Dallas key* Users from 2 to 8 : opens and change their own code.
Override users	*XXXXXX + optional Dallas key* or *Dallas key only* User #9 : opens without time delay and changes its own code (or Dallas). This user only opens in dual mode with Manager and standard users.

Overview functions

Lock opening

After entering an opening code, it is possible to open the lock within 3 seconds. It is not necessary with motorized locks: in this case, the motor retracts the bolt which remains in the open position for 8 seconds before returning to the closed position. In the manual closing version, the bolt can be closed by pressing any key

Penalty

Four consecutive wrong codes initiate a four minutes penalty time. During this period, the LED flashes once every 10s. Each time a key is pressed, a long beep is produced and no operation is allowed.

Dallas keys

During the installation (function #1), a Dallas key (model 1982) can be associated to a user by simply placing it in the Dallas reader after entering the ID and related code. The user is then identified by numeric code + Dallas key.

Power supply

Lock can be powered with:
- an ALKALINE 9V battery located in the battery compartement below the keypad;
- an internal battery box provided by Tecnosicurezza (6 ALKALINE 1.5 batteries);
- A power adapter (ref. N1212) with power supply interface (ref. T6005/W or T6005) both provided by Tecnosicurezza.

Low battery warning

A series of beeps while opening indicates a low battery which should be replacing immediately.

Silent alarm

With this function enabled, if user enters an opening code an then increase the last digit by one number (ex. 030304 instead of 030303): the lock opens and simultaneously the output of the alarm interface is activated.

Audit

The lock is able to save the last 100 operations with user and operations description.

Pulse

Function access

Standard mode: Hold press the key corresponding to the function for two seconds. Led remains on.

Dual code: Input a valid code that's not the Manager code, hold press the key corresponding to the function for two seconds. Led remains on.

Note: for the functions in which the Manager code is needed, it's possible to access even by inputing the Manager code and pressing and holding the last digit. Led remains on. Press the key corresponding the desired function.

Lock opening

It is recommended to change the factory code before use and safely store the new code.

Manager & standard users:

Enter an opening code. The keypad beeps twice.

If programmed, the time delay counting begins.
At the end of time delay, the open window counting begins.

Enter a code during the opening window (2 codes in case of dual code opening). The keypad beeps twice and the lock can be opened.

Override user:

Enter a opening code. Time delay counting begins.

Input the override user code (and the Dallas key if programmed) or the override Dallas key (if only Dallas override user). The keypad beeps twice and the lock can be opened.

Change code

It is recommended to always perform this operation with door open.

Press and hold ▣ until the double beep. The led remains on.

Enter the old code (and the Dallas key if programmed). The keypad beeps twice.

Enter the new code (and the Dallas key if programmed). The keypad beeps twice.

Confirm the new code (and the Dallas key if progrsmmed). The keypad beeps twice and led switches off.

Note: it's possible to associate a new Dallas key and keep the old code. Perform a change code operation keeping the code unchanged but placing a new dallas key.

Pulse

Install/Disable/Delete users

Install users (function #1)

Hold press **1** util the double beep. Led remains on.

Enter the Manager code (and the Dallas key if programmed). The keypad beeps twice.

Enter the number of the user to be installed. The keypad beeps twice.

Enter the code (and the Dallas key if needed) of the new user. The keypad beeps twice.

Confirm the code (and the Dallas key if programmed) of the new user. The keypad beeps twice and the led switches off.

Note: it's only possible to install the override user during the open window counting.

Disable/Enable users (function #2)

Hold press **2** util the double beep. Led remains on.

Enter the Manager code (and the Dallas key if programmed). The keypad beeps twice. All the users (but Manager) are disabled/enabled.

Delete users (function #3)

Hold press **3** util the double beep. Led remains on.

Enter the Manager code (and the Dallas key if programmed). The keypad beeps twice.

Enter the number of the user to be deleted. The keypad beeps twice and led switches off.

Test mode

This function allows for verification that the system is operating correctly.

Hold press **5** util the double beep. Led remains on.

Enter the following sequence of keys: **1 2 3 4 5 6 7 8 9 0**

Any working button produces 2 short beeps.

A damaged button produces a long beep and the keypad switches off.

Pulse

Users status

Hold press [7] util the double beep. Led remains on.

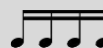Enter the Manager code (and the Dallas key if programmed). The keypad beeps twice.

Enter the ID of the user to be verified.

A single beep (negative sound) is produced for available users (not installed) or for disabled/deleted users.

A double beep is produced for installed users.

A long beep is produced for blocked users (not possible to install).

To close this function, wait for few seconds without entering any ID. A long beep is produced. Then, the led switches OFF.

Audit/configuration download

Audit and configuration can be downloaded on a Dallas key previously programmed with DiaLog software and they can be downloaded on a PC through the USB interface provided by Tecnosicurezza.

Hold press [7] util the double beep. Led remains on.

Enter the Manager code (and the Dallas key if programmed). The keypad beeps twice.

Insert the audit Dallas key into the reader and keep it in place (it is recommended to use a magnetic Dallas key): the keypad beeps twice and the download begins automatically.

Time delay and open window

Hold press [9] util the double beep. Led remains on.

Enter the Manager code (and the Dallas key if programmed). The keypad beeps twice.

Enter a time delay value and an opening window value.
The keypad beeps twice.

Enter again the time delay and opening window values for confirmation. The keypad beeps twice and the led switches off.

Time delay can be programmed in between 0 and 99 minutes, the open window in between 1 and 19 minutes.

Note: it's possible to reduce the time delay only during the open window counting

Lock reset

The reset operation will restore the system in pre-setup mode.

Disconnect the power supply. Press keys to discharge the excess current.

Connect the reset box on the secondary connector of the lock (BAT or 2).

Power up the reset box with a 9V battery. The keypad beeps twice. Lock is reset.

Pulse

NOTES

Contacts

GLOBAL HEADQUARTERS

Tecnosicurezza SpA

Via Cesare Battisti, 276
37057 San Giovanni Lupatoto
Verona

Tel.+39 045 826 64 70

Fax. +39 045 826 64 69

info@tecnosicurezza.it

USA HEADQUARTERS

Tecnosicurezza Inc.

50, Thomas Lane

Versailles, KY 40383

Tel.+1 859 490 89 30

info@usatecno.com

SPAIN HEADQUARTERS

Tecnosicurezza Sa

C/Menor, 4 - Nave 10
Pol. Ind La Mina 28770
Colmenar Viejo

Tel.+34 91 804 33 91

Fax.+34 91 804 32 63

info@tecnosicurezza.es