TECNOSICUREZZA
Locks & Security Systems

Pulse

User Instructions

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

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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 also possible to use a stabilized power adapter from 12 V to 24 V and 1 A, with relative power supply interface (p.n. T6006).
  The power adapter must be compliant with national product regulations and provided with short circuit protection.

- A series of acoustic signals during opening indicate a low battery level. In this case, the battery must be replaced.

- Do not use cleaning agents with chemical, abrasive or alcohol-containing additives to clean the components. Use only a damp cloth.

- Do not spray liquid directly onto the components.

- 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. Furthermore, after reclosing ensure that the door handle cannot be turned towards the open position (handle locked), in order to confirm the secure locking of lock bolt.

Should the lock label be removed, warranty is void.

General information

Using the keypad

To start a time delay counting (if programmed), enter an opening code: 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 entering 555555 code, in this case the silent alarm is activated by increasing or decreasing the last digit by one number of the code (555556 or 555554).
In pre-setup mode, programming can be performed through a Dallas key or by selecting one of the following 4 preloaded configurations (option available for 10 users lock models only):

No. configuration	Maximum number of users	Dual mode
0	2	No
1	9	No
2	2	Yes
3	9	Yes

Silent alarm and Remote block options can be activated through a setup Dallas key where the functions are enabled, 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.

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- If all users are blocked and only the manager is enabled, time delay and dual mode (if programmed) are not available.

Users characteristics & default codes

Manager	*123456 +*	*optional Dallas key*
	Main user : opens, program and change its own code.	
Standard users	*XXXXXX +*	*optional Dallas key*
	Users from 1 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.	
	By default it's set in dual mode opening but, upon request, the single mode opening can also be set.	

Functions overview

Lock opening

After entering an opening code, it is possible to open the lock within 4 seconds. It is not necessary with MotorLock 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.

Keys illumination (only for models T6540, T6550)

Press the key ☼ for illuminating all keys for 10s.

Penalty

Four consecutive wrong codes starts 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, no operation is allowed and the count will restart.

Dallas keys

During the installation (function #1), a Dallas key (model N1982 or N1990) 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. T6006 or N620/A) both provided by Tecnosicurezza.

Low battery warning

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

Silent alarm

With this function enabled, if an user enters an opening code an then increase or decrease the last digit by one number (i.e. 030304 or 030302 instead of 030303) the lock opens and simultaneously the output of the alarm interface is activated.

Remote Block

With this function enabled, enter an opening code: the keypad produces a long beep and the lock is not open.

Audit

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

Function access

Standard mode:	Hold press the key corresponding to the function for two seconds. Led remains on.
Dual mode:	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: the functions where the Manager code is needed, can be accessed even by entering the Manager code and hold-pressing 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 starts.
At the end of time delay, the open window counting starts.

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

Override user:

Enter an opening code. Time delay counting starts.

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

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Change code

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

Press and hold 〔0〕 until the double beep. The led remains on.

Note: it's also possible to access the function by entering "0 0 0 0 0 0". The led remains on.

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

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

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

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

Install/Disable/Delete users

Install users (function #1)

Hold press 〔1〕 until the double beep. Led remains on.

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

Enter the number of the user to be installed. The keypad beeps twice. Skip this step if the lock is a 2- users model.

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 needed) of the new user. The keypad beeps twice and the led switches off.

Notes:
- this function is not available if an user is already installed or disabled.
- it's only possible to install the override user during the open window counting or if the time delay is not set.

Disable/Enable users (function #2)

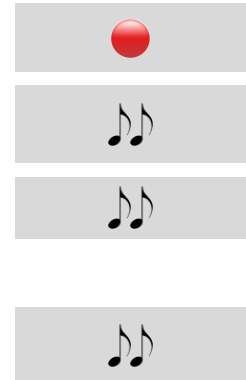Hold press 〔2〕 until the double beep. Led remains on.

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

Note: this function is not available in dual mode opening or if an user is already disabled.

Delete users (function #3)

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

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

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Enter the number of the user to be deleted. The keypad beeps twice and led switches off.
Skip this step if the lock is a 2- users model.

♪♪

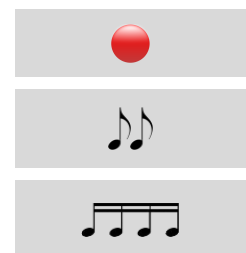*Note*: this function is not available if an user is already disabled or not installed.

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Manager code check

Hold press **4** until the double beep. Led remains on.

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A double beep means the factory Manager code (123456) has been changed.

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A long beep means the factory Manager code (123456) has NOT been changed.

♬

Test mode

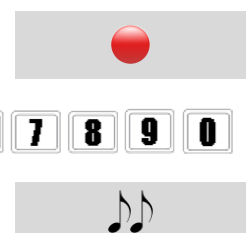This function allows to verify the system is working correctly.

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

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Enter the following sequence of keys:

1 **2** **3** **4** **5** **6** **7** **8** **9** **0**

Any working button produces 2 short beeps.

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

Change lock reclosure mode

Only for MotorLock locks: this function allows to change the lock reclosure mode (automatic/manual).

Lock in presetup mode

Hold press **6** until the double beep. Led remains on.

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Enter the code 5-5-5-5-5-5. The keypad beeps twice.

Lock reclosure mode has been changed (from automatic to manual or viceversa).

Lock in setup mode

Hold press 6 until the double beep. Led remains on.

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

Lock reclosure mode has been changed (from automatic to manual or viceversa).

Users status

Hold press 7 until the double beep. Led remains on.

Enter the Manager code (and the Dallas key if needed). 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 in two ways:
- Using a Dallas key (previously programmed with software Pulse Audit).
- Using PC direct connection.

All the necessary hardware and software are provided by Tecnosicurezza.

Hold press 7 until the double beep. Led remains on.

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

Dallas key

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.

PC direct connection

Hold press ⑦ again until the double beep. Place the magnetic Dallas connection cable into the reader and use the software Pulse Audit to start the download.

At the end of audit download (wether direct or through a Dallas) the keypad beeps twice and the led switches off.

Time delay and open window

Hold press ⑨ until the double beep. Led remains on.

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

Enter a two digit time delay value and a two digit opening window value (i.e. 10 and 05). 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 lower or remove 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.

Perform an opening by pressing ① key.

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Correct disposal of this product:

(Waste Electrical & Electronic Equipment)

Applicable in the European Union and other European countries with separate collection systems.

This marking displayed on the product or its literature indicates that it should not be disposed with other wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

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