TECNOSICUREZZA
Locks & Security Systems

DigiTech

User Instructions

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 European and extra-European 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.

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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 to + 50°C and 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).
- Una serie di segnalazioni acustiche durante l'apertura indicano un livello di batteria basso. La batteria deve essere in tal caso sostituita.
- It is strongly recommended to change the default codes before the usage and to keep safely the new codes.
- Do never use codes easy to be guessed such as 123456, birth dates or others, based on own personal information.
- After changing a code, perform several opening/closing tests before closing the door.

Should the lock label be removed, warranty is void.

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General information

Using your keypad

- Press any button to power up the keypad. LCD which shows:

  ENTER CODE
  X X – X X X X X X

  If the lock is in pre-setup mode, LCD shows:

  PRESS 1 TO OPEN

- To enter a code, power up the LCD and enter the corresponding digits.
- LCD automatically switches OFF if no buttons are pressed within 30s.
- To scroll the menu, press .
- To confirm an operation, press .
- To leave a menu or come back to the main menu, scroll the functions until “EXIT?” and press .
- To enter a code plus Dallas key (if set), enter the code digits and insert the Dallas key in the keypad reader.
- To enter a user provided with Dallas key only (if set), insert the Dallas key in the keypad reader. LCD shows:

  DALLAS USER
  XX

- To start a time delay counting (if set), enter a code. LCD shows:

  TIME DELAY
  00:59

- To stop a time delay counting, press and then confirm with

  STOP DELAY
  COUNTING?

  After the time delay counting, LCD shows open window counting:

  OPEN WINDOW
  00:01

  Press and enter a code for opening.

- If a wrong code is entered, LCD displays the message:

WRONG CODE

- To open or access the menu in dual mode (if set), enter the first code. LCD shows:
  Then, enter the second code.

ENTER 2° CODE
X X – X X X X X X

Shortcuts

Press and hold for 2 seconds the button related to the needed function:

0 = Change Manager code (01), users (02-29) and override users (30)
1 = Users management
2 = Lock setup with Dallas key
5 = Test mode
6 = Change language
7 = Audit/Events check
8 = System info/Time and date view/Contrast adjustment
9 = Time delay and opening window
➡ = Exit and back to the main menu
OK = Time and date settings/Automatic DST/PC link

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Pre-setup & Configurations

When the lock is in pre-setup mode and connected with the keypad for the first time:

- lock can be simply opened by pressing the button 1. When the bolt is open, the output connector BAT is enabled;
- only the following options are allowed: Test mode, Language selection, PC Link, Events check, Time and date view, System information view, Contrast adjustment.

Through the PC connection and the software DigiTech Setup, the lock can be set according different configurations, involving the number of users, the dual mode opening and the Manager management.

User properties and default codes

Users can be set for opening with code only, code + Dallas key or with Dallas key only. It is also possible to set a dual mode opening: in this case, entering the two users codes is required to open the lock.
Default codes are:
Manager: 01-123456.

Users from 02 to 29: 02-020202, 03-030303…..and so on. They always open with time delay if set.

Override user 30: 30-303030. He always opens without time delay.

This user manual describes the standard programming. According such programming and unless different requests while ordering the product, an opening can be performed by entering single users codes (no dual mode) and without time delay. Thus, the user manual must be adapted according the configuration selected.

It is strongly recommended to change the default codes before using the lock.

Overview functions

Lock opening

After entering an opening code, it is possible to open the lock within 3 seconds. It's no necessary instead with motorized locks: in this case indeed, the motor moves the bolt which remains in opening position for about 8 seconds before returning in closing position. In the manual closing version instead, the bolt can be closed by pressing key for few seconds.

Penalty

Four consecutive wrong codes initiate a four minutes penalty time. During this period, LCD shows the message " LOCK PENALTY" and no operation is allowed.

Time Delay
Programmable time delay in between 0 and 99 minutes. Programmable opening window in between 1 and 19 minutes.

Dallas keys
Available as option for Manager and users.

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 long beep together with the message “LOW BATTERY” on the display, indicate a low battery level which need immediate replacing.

Silent alarm
With this function enabled, enter an opening code increasing or decreasing by one number the last code digit (ex. 03-030304 or 03-030302 instead of 03-030303): the lock opens and simultaneously the output of the alarm interface or I/O interface is activated.

Audit
The lock is able to save the last 5500 operations with time, date, user and operations description.

IMPORTANT
Some options/characteristics reported in this user manual, can only be used if previously enabled through the setup software. Thus, please refer to the user manual IU_DigiTech_setup_XX.
Please contact Tecnosicurezza for further information.

Lock opening

Pre-setup mode

Power up the keypad. The Display shows:

PRESS 1
TO OPEN

Press 1 to open the lock.

Manager (01) and users (02-29):

Power up the keypad and enter an opening code. LCD shows:

OPEN

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Override user (30)

Power up the keypad and enter an override user code code (enter also the Dallas key if set). LCD shows:

OPEN

Open the lock within 3 seconds.

Code changing

WARNING: it is recommended to always perform this operation with door open.
Manager (ID 01), users (ID 02-29) and override user (ID 30)

Power up the keypad. Press and hold 0. LCD shows:

ENTER OLD CODE
X X – X X X X X X

Enter the **old code** and insert the Dallas key in the reader (if set). LCD shows:

ENTER NEW CODE
X X X X X X

Enter the **new code**. LCD shows:

CONFIRM CODE
X X X X X X

Confirm the **new code**.

User management

Power up the keypad. Press and hold 1. LCD shows:

USERS MANAGEMENT
0 1 – X X X X X X

Enter Manager code. LCD shows:

02 03 04 05 06
✓ x _ _ ✓

Press → to scroll users list or enter user ID.

"✓" user installed, "_" user deleted, "X" user disabled.

The overide user (30) can only be installed when the bolt is open.

Press OK. If the user is not installed LCD shows the message:

02
INSTALL?

"🔑" Dallas key, "12" code, "+" dual mode, "TL" time lock

Press OK to confirm or → to exit or for switching to the next user.

Enter the new user code and confirm it. LCD shows:

OPERATION DONE

If the selected user is already installed, press → to choose whether to disable it, to delete it or for leaving and selecting another user.

Press OK to confirm the choice.

Lock setup

Lock setup can be performed through a Dallas key properly programmed or through a direct PC link. In both cases, lock must be in pre-setup mode (press 1 to open it).

Setup with Dallas key

Power up the keypad. Press and hold [2]. LCD shows:

SYSTEM SETUP

Insert the setup Dallas key in the reader and connect the reader with the keypad by means of the jack connector. LCD shows:

08:00 FRI
27/01/2019

Check time and date. Press [OK] to confirm or [➔] to update the values.

Then, press [OK] again to confirm. LCD shows:

CONFIGURAZIONE IN CORSO 10%

If the operation is successfully performed, LCD shows:

OPERATION DONE

Setup with PC

Power up the keypad. Press and hold [OK]. LCD shows:

TIME AND DATE
01-XXXXXX

Enter the manager code and press [OK]. LCD shows:

TIME AND DATE
SETTINGS

Press [➔] until LCD shows:

PC LINK

Press [OK], LCD shows:

PC LINK
...

Start the programming on the Setup software or press [➔] to exit.

If the operation is successfully performed, LCD shows the firmware version and few seconds later the keypad switches OFF. Pease refer to the user manual IU_DigiTech_setup_XX for further information.

Test mode

This function allows to check the correct system operation.

Power up the keypad. Press and old [5]. LCD shows:

TEST MODE
1234567890 ➔✓

Enter the sequence of buttons shown on the LCD.

TEST MODE
1234567890 ➔✓

Any working button produces a short beep.

A damaged button produces a long beep. LCD shows:

WRONG/FAULTY KEY

Two short beeps are produced if the test terminates successfully. LCD shows:

OPERATION DONE

Keypad language

Power up the keypad. Press and old 6. LCD shows:

ITALIANO 1 2 3

Enter one of the numbers shown on the LCD to select a new language (the new language will be automatically changed). Press OK to confirm or ➡ to exit.

ENGLISH 1 2 3

Audit

Keypad and lock events can be checked on the LCD (only openings and closings). These events can be also stored in a Dallas key previously programmed using “DMT Audit” software.

Dallas key only allows to store the last 1200 events which can be later downloaded on PC through an USB interface provided by Tecnosicurezza.

Direct PC connection allows to download all 5500 events, using an USB interface and a specific software provided by Tecnosicurezza.
For further information, refer to the user manual IU_DMT_Audit_00_XX or contact Tecnosicurezza.

Events check on LCD

Use this function to check all opening and closing events previously recorded.

Power up the keypad. Press and old 7. LCD shows:

LOCK AUDIT 0 1 – X X X X X X

Enter Manager code. LCD shows:

ENTER DALLAS ...

Wait for few seconds or press ➡, LCD shows:

PC LINK ➔ SCROLL EVENTS ✓

Press OK, LCD shows:

SCROLL EVENTS ON LCD

Wait for few seconds, LCD shows the last opening/closing event.

001: WED 28/09 14:42:48

Press OK to scroll all the events or ➡ to exit.

Download the audit on a Dallas key

Events can be downloaded through a Dallas key provided by Tecnosicurezza, specifically programmed with the software Tecnosicurezza DMT Audit. For further information, refer to the user manual IU_DMT_Audit_XX.

Power up the keypad. Press and old 7. LCD shows:

LOCK AUDIT
0 1 – X X X X X

Enter Manager code. LCD shows:

ENTER DALLAS
...

Insert the Audit Dallas key into the reader. Events download begins automatically. LCD shows:

DOWNLOADING
32%

If download is successful, LCD shows:

OPERATION DONE

Use the software Tecnosicurezza DMT Audit to download the events on PC. For further information refer to the user manual IU_DMT_Audit_XX or contact Tecnosicurezza.

Download audit on PC

Events can be downloaded through a USB interface provided by Tecnosicurezza.

Power up the keypad. Press and old 7. LCD shows:

LOCK AUDIT
0 1 – X X X X X

Enter Manager code. LCD shows:

ENTER DALLAS
...

Wait for few seconds or press →, LCD shows:

PC LINK
SCROLL EVENTS

Press →, LCD shows:

PC LINK
...

Start the download using the software DMT Audit or press → to exit. For further information refer to the user manual IU_DMT_Audit_XX or contact Tecnosicurezza.

Firmware version

Power up the keypad. Press and old 8. LCD shows:

DigiTech	v 1.00
	21/02/12

Press → to see the current time and date. Press → again to come back to the main menu.

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Contrast adjustment

Power up the keypad. Press and hold 8. LCD shows:

DigiTech v 1.00
21/02/12

Press and hold again 8. LCD shows:

ADJUST CONTRAST
1 2 3 4 5 6 7 8

Enter a value 1÷8 to select a different contrast level which will be quickly applied. Press OK to confirm or → to exit.

Time delay

Power up the keypad. Press and hold 9. LCD shows:

SET TIME DELAY
01 – X X X X X

Enter Manager code. LCD shows the current values for time delay and open window.

TIME DELAY 00
OPEN WINDOW 01

Press → to exit or OK to set new values.

TIME DELAY mm
OPEN WINDOW mm

Enter the new values and press OK to confirm. LCD shows:

VALUES UPDATED

Time delay can be set in between 0 and 99 minutes, the open window in between 1 and 19 minutes instead.
To set a time delay shorter than the one curretly present, lock must be open.

Time, Date and DST settings

This menu allows for adjusting the current time and date. It also allows for enabling and disabling the DST (Daylight-Saving-Time). For further information concerning this option, please refer to the user manual IU_DigiTech_setup_XX or contact Tecnosicurezza.

Power up the keypad. Press and hold OK. LCD shows:

TIME AND DATE
0 1 – X X X X X

Time & Date settings

Enter the Manager code. LCD shows:

TIME AND DATE
SETTINGS

Press OK. LCD shows the current time and date.

08:00 FRI
27/01/2006

Press OK again to change time and date.

hh:mm _ _ _
GG / MM / YYYY

Enter the new time and date values and press OK to confirm.

DST settings

Enter the Manager code. LCD shows:

TIME AND DATE SETTINGS

Press ➡ until LCD shows:

AUTOMATIC DST

Then, press OK .

Press ➡ to choose whether enable (ON) or disable (OFF) this option and press OK to confirm the choice. LCD shows:

CHECK DATE/TIME VALUE

NOTE

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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