

# TechMaster

## User Instructions



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**Important notes!**

- Before installing this product, please carefully read 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 maintenance; in any case, after 10,000 opening/locking cycles, it is recommended to conduct 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. T6006). The power adapter must be compliant with national product regulations and provided with short circuit protection.

- A long beep together with the message “LOW BATTERY” on the display, indicate a low battery level which needs to be immediately replaced.
- It is strongly recommended to change the default codes before use and to keep safely the new codes.
- Never use codes that can be easily guessed such as 123456, birth dates or based on other 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.**

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## General information

### Using your keypad

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


ENTER CODE  
X X – X X X X X X


If more locks are installed, LCD displays:



Enter the lock number and press  to select it.

SELECT LOCK

- 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 or edit a value press .

- To confirm an operation, a value or to enter a menu press .

- To leave a menu and come back to the main menu, scroll the functions until "EXIT?" and press . Alternatively, hold-press  to exit from any menu and coming back to lock selection or user code entering.



- To enter a code plus Dallas key (if programmed), enter the code digits and insert the Dallas key in the keypad reader. The other way round is also possible.

- To enter a user provided with Dallas key only (if programmed), insert the Dallas key in the keypad reader. LCD displays:


DALLAS USER  
XX

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

PLEASE WAIT  
00:59

- To stop a time delay counting (if programmed), press  and then confirm with .

STOP DELAY  
COUNTING?

After time delay counting, LCD displays open window counting: press  and enter a code for opening.

OPEN WINDOW  
00:01

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

WRONG CODE

WRONG DYNAMIC  
CODE

- If a wrong dynamic/activation code is entered, LCD displays the message:
- If a dynamic/activation code is entered more than 30 minutes before its beginning validity time, LCD displays:
- If a dynamic/activation code is entered more than 30 minutes later than its beginning validity time, LCD displays:
- To open or access the menu in dual mode (if programmed), enter the first code. LCD displays:  
Then, enter the second code.

WRONG DYNAMIC  
CODE

WRONG DYNAMIC  
CODE

2° USER  
X X – X X X X X X

### Using your Keypad in Scramble mode (required for class C)

Scramble mode is an additional security which allows to enter a code without using always the same keys. User ID instead can still be entered by pressing the keys corresponding to its digits, as well as when entering the Configuration menu code.

To enter an opening code or a menu code in scramble mode, follow the steps below:

Enter the user ID. LCD displays:

ENTER CODE  
[5] x x x x x x x

Enter the user code by pressing key **1** or **6**, respectively to increase or decrease by 1 the digit selected ([X]). Press **OK** to confirm and to switch to the next digit. All digits already entered are indicated by capital symbol.

ENTER CODE  
X X X X X [ 8 ] x x

After entering the last digit, press **OK** to confirm the code.

Press **→** to come back to the previous digit. When the first digit is selected, press **→** again to enter again the user ID.

### Shortcuts





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



**0** = Change Manager code (01, 02), users, override users, Master and Manager or (if configured)







**1** = PIN entering for dynamic codes (after dynamic codes activation)

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-  = Membrane test
-  = System info, time and date info and tamper test
-  = Exit and back to the main menu
-  = Master menu

### Pre-setup & Configurations

When the lock is uninstalled and in pre-setup mode:

- lock can be simply opened by pressing ;
- Configuration menu can be accessed by pressing  and entering default access code.
- Membrane test, System info and Time and date info access can still be performed respectively with the keys  and .
- Test tamper menu can be accessed with the keys  and  to test both tamper switches located respectively on the keypad rear side and inside the battery compartment. Function available for class C only.

### Menu with lock open and wrong operation

If a menu is entered with the bolt open, after reclosing it the LCD keeps the user inside the current menu. If a wrong operation is done while being inside a menu, the LCD produces an error message but keeping the user inside the same menu.

### User properties and default codes

Users can be programmed 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 user combinations is required to open the lock.

Default codes, are:

Master: 1-2-3-4-5-6-7-8.

Manager: 123456.

Users from 02 to 90: 02-020202, 03-030303, and so on. They always open with time delay if programmed.

Override users: through to the Setup software, it is possible to configure users in between 10 and 90 (10-101010, 11-111111, and so on) as override users. They always open without time delay.

Configuration menu: default access code is 50-50-50. It can be changed only through the setup software.

For class C, all users codes, including Master and Manager, are 8-digits type.

Master, Manager: 1-2-3-4-5-6-7-8

Users from 02 to 90 and Override users: 02-02020202, 03-03030303, and so on.

The table below reports the functions for the main users.

**Master**

Access to Master Menu  
Set time and date  
Set automatic DST  
Set Time Lock periods  
Audit download  
Manager Management  
Enable/disable OTCs  
PC Link

**Override manager**

Access to Over. Manager menu  
Override users management  
Code changing

**Override users**

Opening  
Change code

**Manager**

Access to Manager Menu  
Standard users management  
Override users management  
Set time delay  
Set variable time delay  
PC Link  
Audit download  
Opening  
Code changing  
Set opening extension  
Set immediate time lock

**Configuration menu**

Install/remove locks  
Set the lock closing mode  
Install/Configure/Remove I/O Interface  
Set display contrast, light intensity and light time  
Set Buzzer volume or disable it.  
Change language  
Membrane test  
Check system Information  
RTC compensation

**Standard users**

Opening  
Set opening extension, if enabled  
Set immediate time lock, if enabled  
Code changing

This user manual describes the standard programming. According to such programming and unless different requests made 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 (2 seconds if in pre-setup mode) before returning in closing position. In the manual closing version instead, the bolt can be closed by hold pressing



for few seconds.



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### Penalty

Four consecutive wrong codes initiate a four-minutes penalty time. During this period, LCD displays the message “PENALTY” and no operation is allowed.

For class C, the minimum penalty time is of 5 minutes.

### Time Delay

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

### Dallas keys

It can be programmed for any lock. Available as option for Manager and users (not for Master). TechMaster keypad only works with Dallas keys created by TECNOSICUREZZA. Upon express request, the keypad can be set in order to work also with different Dallas key models.

### Power supply

Lock can be powered with:

- an ALKALINE 9V battery located in the battery compartment 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) both provided by Tecnosicurezza.

### Low battery warning

A long beep together with the message “LOW BATTERY” on the display, indicates a low battery level which should be immediately replaced.

### 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.

### Tamper alarm (required for class C)

This function provides a blocking of the system and displays a warning message “ANTI\_TAMPER ALARM” and “PLEASE ENTER A VALID CODE TO UNBLOCK” whenever the keypad is removed from the door, or the battery compartment get opened. Insert a valid code to unblock the keypad and restore the normal functioning.

IMPORTANT: after unblocking the keypad, the tamper is re-armed only after the keypad has entered the sleep mode (LCD switches OFF).

### Audit


The lock saves the last 15000 operations with time, date, user and operations description. The keypad can save the last 250 operations. It is possible to download the events for locks and keypad by using the Tecnosicurezza DMT Audit software. For further information refer to the IU\_DMT\_Audit\_XX.


### IMPORTANT

Some options/characteristics reported in this user manual, can only be used if previously programmed through the setup software. Therefore, please refer to the user manual IU\_TechMaster\_setup\_XX. Please contact Tecnosicurezza for further information.

## Tamper test (required for class C)

When the lock is in pre-setup mode, this function is available and it allows for testing both tamper switches, installed respectively on the keypad rear side and inside the battery compartment.


Power up the keypad. Hold press  until LCD displays keypad system information.

Press  until LCD displays:

TEST TAMPER  
0

If the keypad is removed from the safe and/or if the battery compartment is opened, LCD displays:

TEST TAMPER  
1

After a correct restoring of the keypad on the safe and/or after closing correctly the battery compartment, press . LCD displays:

TEST TAMPER  
0

If tamper switches are triggered when the keypad is OFF, LCD automatically switches ON and after accessing TEST TAMPER menu, the value "1" is displayed. If instead tamper switches are restored to their normal status (i.e. correct restoring of the keypad on the safe and/or after closing correctly the battery compartment) before entering TEST TAMPER menu, the value displayed is "0".

## Opening the locks

### Users (or Override users): opening without time delay

Power up the keypad. Enter an opening code and insert the Dallas key, if programmed. LCD displays:

OPEN

Open the lock within 3 seconds.

### Users: opening with time delay

Power up the keypad. Enter an opening code and insert the Dallas key, if programmed.

TIME DELAY  
00:59

LCD displays the time delay counting:

At time elapsed, the LCD displays the open window counting time.

OPEN WINDOW  
00:01

Press , LCD displays:

ENTER CODE  
X X – X X X X X X


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Enter an opening code and insert the Dallas key, if programmed. LCD displays:

OPEN

Open the lock within 3 seconds.

### Manager (or Override Manager): opening without time delay

Power up the keypad. Press  for opening with Manager code or press it two times for opening with Manager Ovr code. LCD displays:


MANAGER CODE  
X X X X X

Enter Manager code and insert the Dallas key, if programmed (or enter Manager Ovr code and relative Dallas key, if programmed). LCD displays:

OPEN

Open the lock within 3 seconds.

### Manager (or Override Manager): opening with time delay

Power up the keypad. Press  for opening with Manager code or press it two times for opening with Manager Ovr Code. LCD displays:

MANAGER CODE  
X X X X X

Enter Manager code and insert the Dallas key, if programmed (or enter Manager Ovr Code and insert the Dallas key, if programmed). LCD displays the time delay counting:


TIME DELAY  
00:59

Once the time delay has elapsed, the LCD displays the open window counting time.

OPEN WINDOW  
00:01

Press , LCD displays:

ENTER CODE  
X X – X X X X

Press  for opening with Manager code or press it two times for opening with Manager Ovr code. LCD displays:

MANAGER  
X X X X X

Enter Manager code/Manager Ovr code and insert the Dallas key, if programmed. LCD displays:


OPEN

Open the lock within 3 seconds.

### Opening with dynamic codes (Dallas key option)

Power up the keypad. Insert the Dallas dynamic key in the Dallas reader. LCD displays:

DYNAMIC CODE  
X X X X X X X

Enter the dynamic code and press . LCD displays:

OPEN

Open the lock within 3 seconds.

If programmed by the software Dyama or DyamaWeb for dynamic codes creation, LCD displays the closing code when the bolt re-closes. Please refer to the user manuals IU\_Dyama\_XX or IU\_DyamaWeb\_XX for further information.

CLOSING CODE  
179

**WARNING:** dynamic codes must be used respecting the **sequence of activation time** in which they have been created by the software

DYNAMIC CODE  
DELETED

(Dyama or DyamaWeb), otherwise the last created code deletes all the previous ones (i.e. if three codes are created and the third one is used before using the first two ones, those first two codes are deleted). In this case indeed LCD displays:

#### Opening with dynamic codes (PIN option)

Power up the keypad. Press and hold  to enter the dynamic user PIN (optional). LCD displays:

DYNAMIC USER  
X X X X

Enter the dynamic user PIN. LCD displays:

DYNAMIC CODE  
X X X X X X X

Enter the dynamic code and press . LCD displays:

OPEN



Open the lock within 3 seconds.

If programmed by the software Dyama or DyamaWeb for dynamic codes creation, LCD displays the closing code when the bolt re-closes. Please refer to the user manuals IU\_Dyama\_XX or IU\_DyamaWeb\_XX for further information.

CLOSING CODE  
179

WARNING: dynamic codes must be used within the **activation time** created by the software (Dyama or DyamaWeb), otherwise the last created code deletes all the previous ones (i.e. if three codes are created and the third one is used before using the first two ones, those first two codes are deleted). In this case indeed LCD displays:

DYNAMIC CODE  
DELETED

NOTE: to retrieve the last closing code released, hold press  until LCD displays "DYNAMIC USER" and then press .

#### Dual mode opening without time delay

Power up the keypad. Enter an opening code and insert the Dallas key, if programmed. LCD displays:

2° USER CODE  
X X - X X X X X X

Enter the second opening code and insert the Dallas key, if programmed.

LCD displays:

OPEN

Open the lock within 3 seconds.

#### Dual mode opening with time delay

Power up the keypad. Enter an opening code and insert the Dallas key, if programmed.

LCD displays the time delay counting:

TIME DELAY  
00:59

When the time delay has elapsed, the LCD displays the open window counting time.

OPEN WINDOW  
00:01

Press , LCD displays:

ENTER CODE  
X X - X X X X X X

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Enter an opening code and insert the Dallas key, if programmed.  
LCD displays:

2° USER CODE  
X X - X X X X X X

Enter the second opening code and insert the Dallas key, if programmed.  
LCD displays:

OPEN

LCD displays:

Open the lock within 3 seconds.

## Master menu

Power up the keypad. Press . LCD displays:


MASTER MENU  
X X X X X X X X

Enter Master code (default value 1-2-3-4-5-6-7-8).


### Time & date settings

Enter the Master menu. Press  until LCD displays:


TIME AND DATE  
SETTINGS

Press . LCD displays the current time and date.

08:00 FRI  
27/01/2006

Press  to change time and date.

hh:mm \_ \_ \_  
DD / MM / YYYY

Enter the new time and date values and press  to confirm.  
LCD displays:

VALUES SAVED

### Time and Date recovery through DyamaWeb (OTC software)

This option can only be performed after activating the dynamic codes and the deletion of all static codes (including the Master code). For further information, see the paragraph **Dynamic codes activation with static codes deleting**, pg. 18. This option allows for the updating of the time and date values by using the keypad along with the DyamaWeb software. (for further information, see user manual IU\_DyamaWeb\_XX or IU\_DyamaWebLite\_XX).

Power up the keypad. If there is a time and date issue, LCD shows:

WRONG  
TIME/DATE  
VALUES!

Insert the blue Dallas key N1971 in the reader.

Enter the 8-digits code displayed on the LCD into DyamaWeb software, to generate the dynamic code to access the Time & Date menu, to update time and date values.

Press . LCD displays:


DYNAMIC CODE  
X X X X X X X X

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Enter the dynamic code generated by DyamaWeb software to directly enter Time and date menu:


hh:mm    -- --  
DD / MM / YYYY

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


VALUES SAVED

### DST Settings

**WARNING:** it is recommended to enter this menu always with the door open. This menu can only be accessed after selecting the lock with ID:1.

Power up the keypad. Enter the Master menu. Press  until LCD displays:

AUTOMATIC DST

Press  two times and then press  to select between *ON* and *OFF*.  
Press  again to confirm. LCD shows:


CHECK  
DATE/TIME VALUE

If the static codes have been deleted (including the Master), automatic DST can be enabled by using the dynamic user DST.

### Time Lock settings


**WARNING:**

It is recommended to enter this menu always with the door open;  
Master menu, allows to add/delete the settings for time lock/closing periods/opening periods, only if current time and date values are included in an opening period.


Power up the keypad. Enter the Master menu. Press  until LCD displays:

TIME LOCK  
SETTING

#### Weekly time lock settings – Adding new values


Enter Time Lock menu and press . LCD displays:



WEEKLY TIME LOCK  
T1 SETTING

Press  once or two times to set a weekly time lock T2 or T3.




Press . LCD displays:

ADD NEW VALUES

Press . LCD displays the current day of the week.

 hh:mm FRI  
 hh:mm

The first entry is an opening time while the second entry is a closing time. Enter the new values.


Press  to confirm. LCD displays the next day of the week, proposing the same time values. Press  to confirm or  to select another day without entering new time values or else enter the new time values as previously illustrated.

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At the end of the week, LCD displays:

END OF LIST  
EXIT AND SAVE? ✓


Press  to save or  for coming back to the first weekday.

All values entered can be saved only by pressing .

Inside the Time Lock menu, opening time intervals are indicated: it means the safe can be opened by entering a valid code, but only inside the time interval itself (ex. opening time interval from 08.00 to 14.00 from Monday to Friday: the safe can be only opened from 08.00 to 14.00 and only in those days, it cannot be opened before 08.00 and after 14.00. Furthermore, safe cannot be opened on Saturdays and Sundays).

It is possible to schedule up to four times intervals per day (ex. Monday from 07.00 to 10.00, from 12.00 to 13.00, 15.00 to 16.00 and 18.00 to 19.00).

### Weekly time lock settings – Verify or delete values

Enter Time Lock menu and press . LCD displays:


WEEKLY TIME LOCK  
T1 SETTING

Press . LCD displays:


ADD NEW VALUES

Press . LCD displays:

VERIFY OR DELETE  
VALUES

Press . LCD displays the values for the first day.


🕒 hh:mm FRI  
🕒 hh:mm

Press  to scroll all the schedules list.


Press  on a schedule. LCD displays:

DELETE VALUES?  
✓

Press  to confirm or  to exit.

At the end of the list, press . LCD displays:


END OF LIST  
EXIT?

Press  to save and exit.

### Closing periods (Holidays) – Add new values

Closing periods are time intervals in which is impossible to open the lock regardless the weekly time lock settings enabled.

WARNING: during closing periods, the safe cannot be opened.

Enter Time Lock menu and press  until LCD displays:

WEEKLY TIME LOCK  
T1 SETTING

Press . LCD displays:

CLOSING PERIODS  
SETTING

Press . LCD displays:

ADD NEW VALUES

Press . LCD displays:


🕒 DD/MM/AA hh:mm  
🕒 DD/MM/AA hh:mm

The first entry is a closing time while second entry is an opening time.

Enter the time of start and the ending time for the closing period, then

press  to confirm.


*Should the year be programmed*, the closing period is not repeated.


*Should not the year be programmed* (press ) , the closing period is yearly repeated instead.

Press  to delete all values entered.

Repeat the steps above for each closing period.

### Closing periods (OFF days) – Verify or delete values


Enter Time Lock menu and press . LCD displays:


Press  until the LCD displays:

Press . LCD displays:

Press . LCD displays:


Press  to check the first closing period scheduled.

Press  to scroll all the scheduled closing periods.

Press  to delete the scheduled closing periods.

Press  to confirm or  to exit.

At the end of the list LCD shows:

Press  to save and exit.

WEEKLY TIME LOCK  
T1 SETTING

CLOSING PERIODS  
SETTINGS

ADD NEW VALUES

VERIFY OR DELETE  
VALUES

DD/MM/AA hh:mm  
DD/MM/AA hh:mm


DELETE VALUES?




END OF LIST  
EXIT?

### Opening periods - Add new values

Opening periods are time intervals in which is possible to open the lock regardless the weekly time lock settings enabled.

Enter Time Lock menu and press . LCD displays:

Press  until the LCD displays:

Press . LCD displays:

Press . LCD displays:

WEEKLY TIME LOCK  
T1 SETTING

OPENING PERIODS  
SETTINGS


ADD NEW VALUES

GG/MM/AA hh:mm  
GG/MM/AA hh:mm


The first entry is an opening time while the second entry is a closing time.




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Enter a date and time for opening and closing, then press  to confirm.


*Should the year be programmed*, the opening period is not repeated.


*Should not the year be programmed* (press ) , the opening period is yearly repeated instead.

Press  to delete the values entered.

Repeat the steps above for each opening period.


### Opening periods - Verify or delete values


Enter Time Lock menu and press . LCD displays:

Press  until the LCD displays:

Press . LCD displays:

Press . LCD displays:


Press . LCD displays the first opening period.

Press  to scroll all the scheduled opening periods.

Press  to delete. LCD displays:

Press  to confirm or  to exit.


At the end of the list LCD shows:


Press  to save and exit.

It is possible to schedule up to 60 periods (they can be opening or closing periods).  
Each period has a maximum time length of 10 days.

### PC connection

Use this function to enable the connection between the keypad and PC.

Power up the keypad. Enter the Master menu. Press  until LCD displays:

Press  to start the connection with PC.

Press again  or  to stop the connection with PC.

If the static codes have been deleted, PC connection can be enabled by using the dynamic user AUDIT.

WEEKLY TIME LOCK  
T1 SETTING

OPENING PERIODS  
SETTINGS

ADD NEW VALUES

VERIFY OR DELETE  
VALUES

🔊 GG/MM/AA hh:mm  
🔇 GG/MM/AA hh:mm

DELETE VALUES?




END OF LIST  
EXIT?

PC LINK

PC LINK

...

## Manager Management

Power up the keypad. Enter Master menu. Press  until the LCD displays:

MANAGER  
MANAGEMENT

Press . LCD displays:


1 MANAGER ✓  
2 ADMINISTRAT. ✓

“✓” installed, “\_” deleted, “X” disabled.



Select Manager by entering its reference number.

If the Manager is not installed, LCD displays:

01  
INSTALL?

Press  to confirm. Then enter the new Manager code and confirm it. LCD displays:



OPERATION DONE




If the Manager is already installed, press  to choose whether to disable it, to delete it, to configure it, or to exit. Press  to confirm the choice.

### Manager configuration

After configuring the option *Allow user mode change* with Setup software and after installing the Manager, this option allows to configure it as code only or as code and Dallas key. It is also possible to configure the Manager as Dallas key only (allowed only if it is configured in dual mode with setup software).

Enter Manager Management menu and select Manager.

Press  to select “Configuration?” and press 

Select “1 2” for code only, “” for Dallas key only or “1 2 ” to configure the Manager with code and Dallas key. Press  to confirm the selection.



Enter the new Manager code and the Dallas key (if configured) and confirm it. LCD displays:

OPERATION DONE

### Manager dual mode disabling/enabling

After configuring the option *Allow user dual mode change* with Setup software and after installing the Manager, this option allows to disable/enable the dual mode option for it, in order to perform a lock opening or a menu access by entering also a 2<sup>nd</sup> user code.  
NOTE: the configuration of user groups with the dual mode option can only be established with setup software. Moreover, dual mode it is enabled by default after the configuration is sent to the lock system.



Enter Manager Management menu and select Manager.

Press  to select “Dual mode?” and press . LCD shows:

DUAL MODE:  
ON→

OPERATION DONE

## TechMaster



Press  to select OFF for disabling the dual mode or ON for enabling it (EXIT for leaving this menu) and press  to confirm. LCD displays:

### Manager Time lock association/disassociation



After configuring the option *Allow user Time lock change* with Setup software and after installing the Manager, this option allows to associate it to a Time lock table T1, T2, T3 or none (in this case the Manager can open the lock at any time).

NOTE: by default and unless different configuration with setup SW, Manager is associated to the Time lock table T1.

Enter Manager Management menu and select Manager.

Press  to select "Time Lock?" and press . LCD shows:

TIME LOCK:  
T1/T2/T3/OFF→

Press  to select a different Time lock table (T1, T2, T3) or OFF for none (EXIT for leaving this menu) and press  to confirm. LCD displays:

OPERATION DONE

### Manager Variable Time Delay association/disassociation



After configuring the options *Allow user Variable Time Delay change* and *Variable Time delay* with Setup software and after installing the Manager, this option allows to associate it to a variable time delay or not.

WARNING: option available only with lock open.

Enter Manager Management menu and select Manager.

Press  to select "Variable delay?" and press . LCD shows:


VARIABLE DELAY:  
OFF→

Press  to select ON for association, OFF for disassociation (EXIT for leaving this menu) and press  to confirm. LCD displays:

OPERATION DONE

### Dynamic codes – Enabling/Disabling

WARNING: it is recommended to always perform this operation with door open, to enable/disable the dynamic codes. Later, dynamic codes can be activated through the red Dallas key 1971 previously programmed with the software Dyama or DyamaWeb.

Power up the keypad. Enter Master menu. Press  until the LCD displays:

DYNAMIC CODES

Press . LCD displays:

DYNAMIC CODES  
ENABLED/DISABLED

Press . The LCD displays:

DYNAMIC CODES  
ENABLE/DISABLE?

Press  to confirm. LCD displays:


OPERATION DONE

### Dynamic codes activation with static codes deleting

**WARNING:** with this operation, it is possible to delete the static codes for all users and Manager. Furthermore, depending on the configuration selected, Master static code may be deleted as well.

Insert the red Dallas key N1971 in the reader. LCD displays:

DYNAMIC CODE  
XXX XXX XXX

Enter the activation code generated by the software Dyama or DyamaWeb and press . LCD displays:

DELETING USERS  
CONTINUE?

Press . LCD displays:

OPERATION IN  
PROGRESS...



Once completed, LCD displays:

DYNAMIC CODES  
ACTIVE

To re-install the static codes (only for Master and Manager) use the dynamic user REMOVAL with the lock already open. Later, it is possible to re-install all the other users from the menu *Users management*.


## Manager menu

Power up the keypad.

Press , then press . LCD displays:

MANAGER MENU  
X X X X X X

### Users Management


Power up the keypad. Enter Manager menu and press  until LCD displays:

USERS MANAGEMENT

Press  and press  to scroll users list or enter user ID.

02	03	04	05	06
✓	✓	X	-	-

“✓” installed, “-” deleted, “X” disabled.



Press . If the user is not installed LCD displays:

02  
INSTALL?

“E” Dallas key, “1 2” code, “+” dual mode, “TL” time lock

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

Enter the new user code and insert the Dallas key (if programmed). Then confirm the same combination.

If the selected user is already installed, press  to choose whether to disable it, to delete it, to configure it, to select another user or exit. Press  to confirm the choice.


## TechMaster

### User configuration

After configuring the option *Allow user mode change* with Setup software and after installing a user, this option allows to configure it as code only or as code and Dallas key. It is also possible to configure a user as Dallas key only (allowed only if it is configured in dual mode).

Enter the User Management menu and select a user

Press  to select "Configuration?" and press 

Select "1 2" for code only, "E" for Dallas key only or "1 2 E" to configure it with code and Dallas key. Press  to confirm the selection.

Enter the new user code and the Dallas key (if configured) and confirm it. LCD displays:



OPERATION DONE

### User dual mode disabling/enabling



After configuring the option *Allow user dual mode change* with Setup software and after installing a user, this option allows to disable/enable the dual mode option for it, in order to perform a lock opening or a menu access by entering also a 2<sup>nd</sup> user code.

NOTE: the configuration of user groups with the dual mode option can only be established with setup software. Moreover, dual mode it is enabled by default after the configuration is sent to the lock system.

Enter User Management menu and select an installed user.

Press  to select "Dual mode?" and press . LCD shows:

DUAL MODE:  
ON→

Press  to select OFF for disabling the dual mode or ON for enabling it (EXIT for leaving this menu) and press  to confirm. LCD displays:



OPERATION DONE

### User Time lock association/disassociation



After configuring the option *Allow user Time lock change* with Setup software and after installing a user, this option allows to associate it to a Time lock table T1, T2, T3 or none (in this case the user can open the lock at any time).

NOTE: by default and unless different configuration with setup SW, all users are associated to the Time lock table T1.

Enter User Management menu and select an installed user.

Press  to select "Time Lock?" and press . LCD shows:

TIME LOCK:  
T1/T2/T3/OFF→

Press  to select a different Time lock table (T1, T2, T3) or OFF for none (EXIT for leaving this menu) and press  to confirm. LCD displays:

OPERATION DONE

### Manager Variable Time Delay association/disassociation



After configuring the options *Allow user Variable Time Delay change* and *Variable Time delay* with Setup software and after installing a User, this option allows to associate it to a variable time delay or not.

WARNING: option available only with lock open.

Enter User Management menu and select an installed user.


Press  to select "Variable delay?" and press . LCD shows:

VARIABLE DELAY:  
OFF→


Press  to select ON for association, OFF for disassociation (EXIT for leaving this menu) and press  to confirm. LCD displays:

OPERATION DONE

### Time delay

Power up the keypad. Enter Manager menu and press  until LCD displays:

T. DELAY AND  
O. WINDOW

Press  to confirm. LCD displays the current values for time delay and open window.

TIME DELAY 00  
OPEN WINDOW 01

Press  to exit or  to program new values.

TIME DELAY mm  
OPEN WINDOW mm

Enter the new values and press  to confirm. LCD displays:


VALUES SAVED

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

It is possible to program a shorter time delay with the lock open or closed. In this latter case, after confirming the new values a time delay count is started from the keypad and at count elapsed the LCD automatically confirms the values updating.

### Variable Time Delay

WARNING: lock must always be open to set a variable time delay


Power up the keypad. Enter Manager menu and press  until LCD displays:


VARIABLE  
TIME DELAY

#### Variable Time Delay – Adding new values

Enter Variable Time Delay menu and press . LCD displays:




ADD NEW VALUES

Press . LCD displays the current day of the week.

→ hh:mm FRI  
← hh:mm  mm



Enter values for starting time and ending time in which Variable Time Delay must be active and then enter the values of Variable Time Delay.

## TechMaster

Press  to confirm. LCD displays the next day of the week, proposing the same time values. Press  to confirm or  to select another day without entering new time values or otherwise enter the new time values as previously illustrated.

At the end of the week, LCD displays:

END OF LIST  
EXIT AND SAVE? ✓


Press  to save the values or  for coming back to the first weekday.

After saving the values, LCD displays:


ADD NEW VALUES

Press  to set new values (max. 4 per day)


### Variable Time Delay – Verify or delete values

Enter Variable Time Delay menu and press  until LCD displays:

VERIFY OR DELETE  
VALUES



Press . LCD displays the values for the first day.


→ 08:00 SUN  
← 10:00 ⌚ : 01

Press  to scroll all the schedules list.

Press  on a schedule. LCD displays:

DELETE VALUES?  
✓


Press  to confirm the deletion or  to exit.

At the end of the list, press . LCD displays:


END OF LIST  
EXIT AND SAVE? ✓

### PC connection

Use this function to enable the connection between the keypad and PC.

Power up the keypad. Enter the Manager menu. Press  until LCD displays:

PC LINK

Press  to start the connection with PC.

PC LINK  
...

Press again  or  to stop the connection with PC.

If the static codes have been deleted, PC connection can be enabled by using the dynamic user AUDIT.

## Override Manager menu

Power up the keypad.


Press , then press  until LCD displays:

OVR MANAGER MENU  
X X X X X X



Enter OVR Manager code (default code 6-5-4-3-2-1).

## Override Users management

WARNING: to install new override users, lock must be open.


Power up the keypad. Enter Override Manager menu and press  until LCD displays:

OVR USERS  
MANAGEMENT


Press  and press  to scroll users list or enter user ID.



50	51	52	53	54
✓	x	_	_	✓

“✓” user installed, “\_” user deleted, “X” user disabled.



Press . If the user is not installed LCD displays:

52  
INSTALL?

“” Dallas key, “1 2” code, “+” dual mode, “TL” time lock

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

Enter the new user code and confirm it.



If the selected user is already installed, press  to choose whether to disable it, to delete it, to configure it, to select another user or exit. Press  to confirm the choice.




## OVR users configuration

After configuring the option *Allow user mode change* with Setup software and after installing an OVR user, this option allows to configure it as code only or as code and Dallas key. It is also possible to configure and OVR user as Dallas key only (allowed only if it is configured in dual mode).

WARNING: to perform this configuration, lock must be open.

Enter the OVR User Management menu and select an OVR user

Press  to select “Configuration?” and press 

Select “1 2” for code only, “” for Dallas key only or “1 2 ” to configure it with code and Dallas key. Press  to confirm the selection.

Enter the new OVR user code and the Dallas key (if configured) and confirm it. LCD displays:

OPERATION DONE

## OVR users dual mode disabling/enabling



After configuring the option *Allow user dual mode change* with Setup software and after installing an OVR user, this option allows to disable/enable the dual mode option for it, in order to perform a lock opening or a menu access by entering also a 2<sup>nd</sup> user code.

NOTE: the configuration of user groups with the dual mode option can only be established with setup software. Moreover, dual mode it is enabled by default after the configuration is sent to the lock system.





## TechMaster

Enter the OVR User Management menu and select an installed OVR user.

Press  to select "Dual mode?" and press . LCD shows:

DUAL MODE:  
ON→

Press  to select OFF for disabling the dual mode or ON for enabling it (EXIT for leaving this menu) and press  to confirm. LCD displays:



OPERATION DONE

### OVR users Time lock association/disassociation



After configuring the option *Allow user Time lock change* with Setup software and after installing an OVR user, this option allows to associate it to a Time lock table T1, T2, T3 or none (in this case the OVR user can open the lock at any time).

NOTE: by default and unless different configuration with setup SW, OVR users associated to the Time lock table T1.

Enter the OVR User Management menu and select an installed OVR user.

Press  to select "Time Lock?" and press . LCD shows:

TIME LOCK:  
T1/T2/T3/OFF→

Press  to select a different Time lock table (T1, T2, T3) or OFF for none (EXIT for leaving this menu) and press  to confirm. LCD displays:

OPERATION DONE

### OVR users Variable Time Delay association/disassociation



After configuring the options *Allow user Variable Time Delay change* and *Variable Time delay* with Setup software and after installing an OVR user, this option allows to associate it to a variable time delay or not.

WARNING: option available only with lock open.

Enter the OVR User Management menu and select an installed OVR user.

Press  to select "Variable delay?" and press . LCD shows:

VARIABLE DELAY:  
OFF→

Press  to select ON for association, OFF for disassociation (EXIT for leaving this menu) and press  to confirm. LCD displays:

OPERATION DONE

## Code changing

WARNING: it is recommended to always perform this operation with door open.


Power up the keypad.

Press , then press  until LCD displays:

Alternatively, hold press  until LCD displays:

CHANGE CODE

## Change code for standard and override Users

Power up the keypad. Access Change Code menu and press . LCD displays:

Press  to confirm. LCD displays:

Enter the **old code** and insert the Dallas key (if programmed).

Enter the **new code** and insert the Dallas key (if programmed).

Confirm the **new code** e insert the Dallas key (if programmed).



CHANGE USER  
CODE

ENTER OLD CODE  
X X – X X X X X

ENTER NEW CODE  
X X X X X

CONFIRM CODE  
X X X X X

## Change code for Manager

Power up the keypad. Access Change Code menu and press . Then, press  until LCD displays:

Press  to confirm. LCD displays:

Enter the **old code** and insert the Dallas key (if programmed).

Enter the **new code** and insert the Dallas key (if programmed).

Confirm the **new code** e insert the Dallas key (if programmed).



CHANGE MANAGER  
CODE

OLD CODE  
X X X X X

ENTER NEW CODE  
X X X X X

CONFIRM CODE  
X X X X X

## Change code for Override Manager

Power up the keypad. Access Change Code menu and press . Then, press  until LCD displays:

Press  to confirm. LCD displays:

Enter the **old code** e insert the Dallas key (if programmed).

Enter the **new code** e insert the Dallas key (if programmed).

Confirm the **new code** e insert the Dallas key (if programmed).



CHANGE OVR  
MANAGER CODE

OLD CODE  
X X X X X

ENTER NEW CODE  
X X X X X

CONFIRM CODE  
X X X X X

## Change code for Master

Power up the keypad. Access Change Code menu and press . Then, press  until LCD displays:

Press  to confirm. LCD displays:

Enter the **old code**.

CHANGE MASTER  
CODE

OLD CODE  
X X X X X

## TechMaster

Enter the **new code**.

ENTER NEW CODE  
X X X X X

Confirm the **new code**.

CONFIRM CODE  
X X X X X

## Time menu

Power up the keypad.

TIME MENU

Press  and then press  until LCD displays:

### Opening extension


WARNING: before using this function, at least one time lock must be programmed.

Power up the keypad. Access Time Menu and press . LCD displays:

MANAGER CODE  
X X – X X X X X


Enter Manager code. LCD displays:

OPENING  
EXTENSION


Press . If a time lock is already programmed, LCD displays the next activation time for the time lock (automatically calculated adding 30 minutes to the last activation time):

OPEN LOCK UNTIL:  
12/09 20:30

Press  to confirm.

It is also possible to enter different values. Enter date and time (max. 3h) and press  to confirm.


### Immediate Time Lock

Power up the keypad and access Time Menu and press . LCD displays:


MANAGER CODE  
X X X X X

Enter Manager code. LCD displays:

OPENING  
EXTENSION


Press  until LCD displays:

IMMEDIATE  
TIME LOCK

Press . LCD displays the next activation time for the time lock:

BLOCK UNTIL:  
14/09 08:00

Press  to confirm.

It is also possible to enter different values. Enter date and time (max. 2 weeks by the current time) and press  to confirm.

## Configuration menu

Power up the keypad.

Press  and then press  until LCD displays:

Enter configuration code (default code 50-50-50) to access this menu.



NOTE : even in scramble mode, it is possible to enter this code by pressing 50-50-50.

CONFIGURATION  
X X X X X X

### Install Locks

Access Configuration Menu. LCD displays:

INSTALL  
LOCKS

Press , select the lock to install and press  again to confirm it.

SELECT  
LOCK

If the lock selected is already installed and connected, LCD displays:

LOCK ALREADY  
INSTALLED

If the lock selected is not installed and not connected with the keypad, LCD displays:

LOCK X  
DOES NOT  
ANSWER

If the lock selected is instead connected with the keypad (but not installed), LCD displays:


MASTER CODE  
X X X X X X X X

Enter Master code and then Manager code. LCD displays:



OPERATION DONE

### Remove Locks

WARNING: it is recommended to perform this operation always with lock open and connected with the keypad.

Access Configuration Menu and press  until LCD displays:

REMOVE  
LOCKS

Press , select the lock to remove and press  again to confirm it.

SELECT  
LOCK

If the lock selected is connected with the keypad, LCD displays:

REMOVE LOCK X?

Press  to confirm. LCD displays:

MASTER CODE  
X X X X X X X X

Enter Master code, LCD displays:

OPERATION DONE

If the lock selected is not installed but connected, LCD displays:

LOCK NOT  
INSTALLED

If the lock selected is not installed and not connected with the keypad, LCD displays:

LOCK X  
DOES NOT  
ANSWER

Later, LCD displays:

CONTINUE?

Press  to confirm. LCD displays:


OPERATION DONE

## TechMaster

If an I/O interface is installed and if the lock 1 is selected to be removed, the keypad requires first to remove the I/O interface.

### Closing mode



WARNING: option only available for motorized locks. To enable it, lock must be open.

Access Configuration Menu and press  until LCD displays:

CLOSING MODE

Press . LCD displays:

MODE:  
AUTOMATIC


Press  again and press  to select between *AUTOMATIC* and *MANUAL* mode.

Press  to confirm. LCD displays:

MASTER CODE  
X X X X X X X

Enter the Master code. LCD displays:


VALUES SAVED

With *MANUAL*, lock can be closed by pressing and holding  for 2 seconds.

With *AUTOMATIC* instead, lock automatically re-closes after the time set with Setup software.

### I/O Interface

This menu allows for installing removing and configuring the IP parameters of Tecnosicurezza I/O interface.

Access Configuration Menu and press  until LCD displays:

I/O INTERFACE

#### Install I/O interface

WARNING: I/O interface must be in pre-setup mode before the installation. For further information regarding the I/O interface reset see the user manual II\_T9355\_IP\_XX\_eng. Furthermore, the lock with ID: 1 must be open.

Access I/O interface menu. LCD displays:

I/O INTERFACE

Press . LCD displays:

MASTER CODE  
X X X X X X X



Press  and enter the Master code. LCD displays:

INSTALL

Press . LCD displays:

OPERATION  
DONE


#### Configure I/O Interface RS 485 ID and network parameters

If the I/O interface is already installed, it is possible to remove it, configuring the RS485 ID or the network parameters (IP address, Subnet Mask and Gateway). When possible, use the keys  and  to confirm an option/value, to switch on a different filed, to select a different option or for editing a value.




### RS 485 ID



Access I/O Interface and press  until the LCD displays:

RS485 ID

Press . LCD displays the current RS485 ID.

RS485 ID  
X

Press  and enter the new RS485 ID. Press  again to confirm the value (✓) or  to edit it. LCD displays:


Press : LCD shows the new ID configured (✓). Press  again to confirm. LCD displays:

OPERATION DONE



### IP address

Access I/O Interface and press  until the LCD displays:

IP ADDRESS

Press . LCD displays the current IP address.

IP ADDRESS  
XXX.XXX.XXX.XXX


Press  again, enter the new IP address value and press  two times to confirm (✓). LCD displays:

OPERATION DONE



### Subnet Mask

Access I/O Interface and press  until the LCD displays:

SUBNET MASK

Press . LCD displays the current Subnet Mask.

SUBNET MASK  
XXX.XXX.XXX.XXX

Press  again, enter the new Subnet Mask value and press  two times to confirm (✓). LCD displays:

OPERATION DONE

If an incorrect value is entered LCD shows:

WRONG VALUES


If an Incorrect Subnet mask format is entered LCD shows:

DATA ERROR



### Gateway

Access I/O Interface and press  until the LCD displays:

GATEWAY

Press . LCD displays the current Gateway:

SUBNET MASK  
XXX.XXX.XXX.XXX

Press  again, enter the new Gateway value and press  two times to confirm (✓). LCD displays:

OPERATION DONE

If an incorrect value or format is entered LCD shows:

DATA ERROR

### Remove I/O Interface

Access I/O interface menu. LCD displays:

REMOVE

## TechMaster

Press . LCD displays:

REMOVING  
CONFIRMING?

Press  to confirm. LCD displays:

OPERATION DONE


If dynamic codes have been activated, with deletion of all static codes (including the Master), it is possible to directly access the menu Install I/O Interface, Configure I/O Interface, and Remove I/O Interface by entering a dynamic code related to the dynamic user CONFIGURATION I/O USER. For further information, see the paragraph **Dynamic codes activation with static codes deleting**, page 18.

### Display

This menu allows for regulating the screen contrast, light intensity and light time.

Power up the keypad. Access Configuration Menu. LCD displays:

INSTALL  
LOCKS

Press  until the LCD displays:




DISPLAY

Press  to access this menu.

### Regulation of display contrast

Access Display menu. LCD displays:


CONTRAST

Press . LCD displays the current contrast level. Press  again (→) and enter a value for contrast level (between 1 and 9) or select it with .


CONTRAST  
X→

Press  to confirm. LCD displays:




VALUES  
SAVED

If dynamic codes have been activated, with deletion of all static codes (including the Master), it is possible to directly access the menu Contrast by hold-pressing  for few seconds. For further information, see the paragraph **Dynamic codes activation with static codes deleting**, page 18.

### Regulation of light intensity

Access Display menu and press  until LCD displays:

LIGHT INTENSITY


Press . LCD displays the current light intensity level. Press  again (→) and enter a new value for contrast level (between 2 and 6, OFF for deactivating it) or select it with .

LIGHT INTENSITY  
X→



Press  to confirm it. LCD displays:

VALUES  
SAVED

### Regulation of light Time

Access Display menu and press  until LCD displays:

Press . LCD displays the current light time value in seconds.

Press  again (→) and enter a new value for light time (3, 5, 10, 15, 30, 60, OFF for deactivating it, ALWAYS ON to keep permanently ON) or select it with .

Press  to confirm it. LCD displays:


The display switches OFF after the time configured.


LIGHT TIME





LIGHT time  
XX→

VALUES  
SAVED

### Buzzer

Access Configuration menu and press  until LCD displays:

Press . LCD displays the current value for buzzer volume.

Press  again (→) and use keys  ÷  to enter a new value for buzzer volume (Low, Medium, High, OFF for deactivating it) or select it with .


Press  to confirm it. LCD displays:


BUZZER

BUZZER  
XX→

VALUES  
SAVED

### Keypad Language

Power up the keypad. Access Configuration Menu and press  until LCD displays:

Press . LCD displays the current language set up:

Press  again (→) and press  to select a new language.


Press  to confirm it. LCD displays:

LANGUAGE

LANGUAGE  
ENGLISH

VALUES  
SAVED

### Membrane test

Power up the keypad. Access Configuration Menu and press  until the LCD displays:

Press . LCD displays:

Enter the sequence of buttons shown on the LCD.

Any working button produces a short beep.

A damaged button produces a long beep and LCD displays:

MEMBRANE TEST

MEMBRANE TEST  
1234567890 → ✓

WRONG/FAULTY KEY




## TechMaster


Two short beeps are produced if the test is completed successfully and LCD displays:


OPERATION DONE


### System Info

Power up the keypad. Access Configuration Menu and press  until the LCD displays:

SYSTEM INFO


Press . LCD displays keypad system information. Enter a different lock ID to see lock system information.

Press  to see the current time and date.





If dynamic codes have been activated, press  again to see the keypad ID and DyamaWeb ID.

### RTC Correction

This menu allows for compensating the time and date drift for the keypad. To enter it, lock must be open. Contact Tecnosicurezza for further information or in case it is necessary to perform a Time and date compensation.

Power up the keypad. Access Configuration Menu and press  until the LCD displays:

RTC CORRECTION

Press . LCD displays the current cumulative value and the value configured by Setup software (-/+ XXX). Press  again () and use numeric keys or  to enter a new value.

RTC CORRECTION  
-/+XXX/-/+XXX)

Positive values are needed when the internal clock is too slow and current time and date are delayed of the current time while negative values are needed when the internal clock is too fast and current time and date are ahead of the current time

Press  to confirm it. LCD displays:

VALUES  
SAVED

**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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