MiniTech

High security lock for safes

USER INSTRUCTIONS

TECNOSICUREZZA
Locks & Security Systems

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Information about **Mini**Tech

Using your keypad

Press any button to power up the keypad.

Automatic power savings: if no operation is performed for 30 seconds the keypad will automatically switch off.

To scroll menu functions press ➡.

To exit from a menu and get back to start menu scroll the functions until the message "EXIT?" and press ✔.

Shortcuts

Press and hold the button corresponding to the needed function.

0 = Change Manager code (01), users (02-49) and override users (50-59)

1 = Users management

2 = Lock setup

3 = Dynamic codes

4 = Block/unblock the lock

5 = Test mode

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7 = Audit

8 = Firmware release

9 = Time delay

➡ = Back to start menu

✔ = Master menu

Users properties and default codes

Master: code (default: 1-2-3-4-5-6-7-8).
Manager: code (default: ID: 0-1 code: 1-2-3-4-5-6) or code + Dallas key.

Users 02 - 49: code (default: ID: 0-2 code: 0-2-0-2-0-2, ID 0-3 code: 0-3-0-3-0-3, etc…), code + Dallas key.

Override user 50 - 59: code (default: ID 50 code: 5-0-5-0-5-0), code + Dallas key.

Change default codes before operating the lock

Penalty

Four consecutive wrong codes initiate a four minutes penalty. During this period LCD will display the message "PENALTY" and no operation will be allowed.

Time Delay

Time delay 0-99 minutes; open window 1-19 minutes.

Dallas keys

Available as option for Manager and users (not available for Master).

Power supply

Lock can be powered with an ALKALINE 9V battery, with an internal large battery box (6 ALKALINE 1.5V batteries) or with power supply and dedicated interface.

Low battery warning

A long beep and the message "BATTERY LOW" indicate the battery is low and has to be immediately changed.

Audit

The lock stores the last 5.500 operations with time, date, user and operation. The keypad stores the last 250 operations with time, date, user and operation.

Recommendations

- It is strongly recommended to immediately change the factory codes
- For security reasons, do not chose codes which could be easy to guess (e.g. 1 2 3 4 5 6)
- For your new code, do not use any personal data like birthdays or any other data, that could be derived by knowledge of your person.
- After code changing, the lock must be tested several times with door in open state.
- Do not open the lock case, otherwise you compromise the function of the lock and warranty will be void.
- In order to prevent any possibility that the code become public or known by unauthorized persons we strongly recommend to store any data and/or code in a safety place, where only its rightful owner can access.

Never remove lock cover, this voids the warranty.

Open the lock

Manager (01) and users (02-49): open the lock with time delay

Power up the keypad. LCD will display the message:

ENTER CODE
X X – X X X X X X

Enter Manager or user code and the Dallas key (if set). LCD will show time delay counting.

TIME DELAY
00:59

If the entered code is wrong LCD will display the message:

WRONG CODE

To stop time delay counting press ➡ and then ✔ to confirm.

STOP TIME DELAY
COUNTING?

After time delay counting LCD will display open window counting:

OPEN WINDOW
00:01

Press ✔, LCD will display the message:

ENTER CODE
X X – X X X X X X

Enter Manager or user code and the Dallas key (if set). Open within three seconds (green led).

OPEN THE LOCK

If the user is set to open in dual mode LCD will display the message:

ENTER 2° CODE
X X – X X X X X X

Enter second code and the Dallas key (if set). Open the lock within three seconds (green led).

OPEN THE LOCK

Override users (50-59): open the lock without time delay

Power up the keypad. LCD will display the message:

ENTER CODE
X X – X X X X X X

Enter override user code and the Dallas key (if set). Open the lock within three seconds (green led).

OPEN THE LOCK

If the user is set to open in dual mode LCD will display the message:

ENTER 2° CODE
X X – X X X X X X

Enter second code and the Dallas key (if set). Open the lock within three seconds (green led).

OPEN THE LOCK

Change code (always perform this operation with door open)

Manager (01), users (02-49) and override user (50-59)

Power up the keypad. Press and hold [0]. LCD will display the message:

| ENTER OLD CODE |
| X X – X X X X X X |

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

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

| ENTER NEW CODE |
| X X X X X |

Confirm the **new code** and the Dallas key (if set).

| CONFIRM CODE |
| X X X X X |

Test your new code several times before to close the secure storage unit's door.

Users management

Power up the keypad. Press and hold [1]. LCD will display the message:

| USERS MANAGEMENT |
| 0 1 – X X X X X X |

Enter Manager code.

Press [→] to scroll users list or enter user ID.

| 02 03 04 05 06 |
| v   x   _   _   v |

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

Users 02-49 open with time delay (if set). Override user 50-59 opens without time delay. Override users 50-59 can be only installed when lock is open. Open the lock before install the user.

Press [✓]. If the user is not installed LCD will display the message:

| 02 |
| INSTALL? |

"1_2" code, "🎁" Dallas key, "+" dual mode, "TL" time lock

Press [✓] to confirm or press [→] to disable/enable/delete and press [✓] to confirm.

Lock setup

Lock setup can be performed in two different ways only when the lock is in pre-setup, through a setup Dallas key or directly thorough a PC connected to the keypad.

Setup through a Dallas key

Lock setup can be performed in two different ways only when the lock is in pre-setup, through a setup Dallas key or directly thorough a PC connected to the keypad.

To open a lock in pre-setup press [1].

| PRESS 1 TO OPEN |

Power up the keypad. Press and hold [2]. LCD will display the message:

| SYSTEM SETUP
..... |

Enter the setup Dallas key into the reader and connect the reader the the keypad through the jack connector. LCD will display the message:

| 08:00   FRY
27/01/2006 |

Check displayed time and date, press [✓] to confirm or [➡] to update the values and then [✓] to confirm. LCD will display the message:

| UPLOADING
..... |

If the operation is successfully performed LCD will display the message:

| OPERATION DONE |

Setup through a PC

Power up the keypad. Press and hold [✓]. LCD will display the message:

| PC LINK |

Press [✓]. LCD will display the message:

| PC LINK
... |

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

Dynamic codes

Power up the keypad. Press and hold [3]. LCD will display the message:

| DYNAMIC USER
X X X X |

Enter the dynamic user PIN or the Dallas key. LCD will display the message:

| DYNAMIC CODE
X X X   X X X   X X X |

Enter the dynamic code and press [✓].

Open within three seconds (green led).

If the lock is set to display closing code, LCD will display the message:

| CLOSING CODE
X X X |

Block and unblock the lock

Power up the keypad. Press and hold **4**. LCD will display the message:

| BLOCK THE LOCK |
| X X – X X X X X X |

Enter the requested code.

If weekly Time Lock is set LCD will display the next opening time.

| BLOCK LOCK UNTIL |
| 14/09   08:00 |

If you want to set a different opening time enter new values (max. 31 days) then press **✔** to confirm.

| BLOCK LOCK UNTIL |
| DD/MM   hh:mm |

LCD will display the message:

| BLOCK THE |
| LOCK? |

Press **✔** to confirm. LCD will display the message:

| LOCK BLOCKED |

The lock can be blocked for maximum thirtyone (31) days.

To unblock a lock previously blocked press and hold **4**. LCD will display the message:

| UNBLOCK THE LOCK |
| X X – X X X X X X |

Enter requested code. LCD will display the message:

| OPERATION DONE |

Depending on lock setup Master code could be needed: enter Master code.

Test mode

Power up the keypad. Press and hold **5**. LCD will display the message:

| TEST MODE |
| 1234567890 ✛ v |

Enter the sequence of buttons displayed on the LCD.

| TEST MODE |
| 1234567890 ✛ v |

Any working button will produce a short beep.

A damaged button will cause a long beep. LCD will display the message.

| WRONG/FAULTY |
| KEY |

Change language

Power up the keypad. Press and hold [6]. LCD will display the message:

<div style="text-align:right">

ITALIANO
1 2 3
</div>

Press one of the available numbers to change the language and press [✓] to confirm or press [➡] to exit.

<div style="text-align:right">

ENGLISH
1 2 3
</div>

Audit

Keypads and lock events can be check on the display or can be stored on a Dallas key (up to 1.200 events) previously programmed through the "MiniTech-DigiTech Audit" software, which will be used also to read the events stored in the same Dallas key.

The audit can be also downloaded directly on a PC (up to 5.500 events), through an USB interface provided by Tecnosicurezza.

Scroll events on the LCD

Use this function to check all the opening and closing events stored on the lock.

Power up the keypad. Press and hold [7]. LCD will display the message:

<div style="text-align:right">

LOCK AUDIT
0 1 – X X X X X X
</div>

Enter Manager code. LCD will display the message:

<div style="text-align:right">

ENTER DALLAS
...
</div>

Press [✓] or wait. LCD will display the message:

<div style="text-align:right">

PC LINK
SCROLL EVENTS
</div>

LCD will start showing all the opening and closing events stored on the lock.

<div style="text-align:right">

001: 🔒   WED
28/09   14:42:48
</div>

Press [✓] to scroll all the events or [➡] to exit.

Download the audit on a Dallas key

Power up the keypad. Press and hold [7]. LCD will display the message:

<div style="text-align:right">

LOCK AUDIT
0 1 – X X X X X X
</div>

Enter Manager code. LCD will display the message:

<div style="text-align:right">

ENTER DALLAS
...
</div>

Enter the audit Dallas key into the reader. If the operation is successfully performed LCD will display the message:

<div style="text-align:right">

OPERATION DONE
</div>

Download the audit on a PC

Power up the keypad. Press and hold 7. LCD will display the message:

<div style="text-align:right">

LOCK AUDIT
0 1 – X X X X X X

</div>

Enter Manager code. LCD will display the message:

<div style="text-align:right">

ENTER DALLAS
...

</div>

Press ➡ or wait. LCD will display the message:

<div style="text-align:right">

PC LINK
SCROLL EVENTS

</div>

Press ➡, LCD will display the message:

<div style="text-align:right">

PC LINK
...

</div>

Start the download on the software or press ➡ to exit.

Firmware release

Power up the keypad. Press and hold 8. LCD will display the message:

<div style="text-align:right">

MINITECH   V 1.00
21/02/12

</div>

Press ➡ to get back to start menu.

Adjust contrast

Power up the keypad. Press and hold 8. LCD will display the message:

<div style="text-align:right">

MINITECH   V 1.00
21/02/12

</div>

Press and hold 8 again. LCD will display the message:

<div style="text-align:right">

ADJUST CONTRAST
1 2 3 4 5 6 7 8

</div>

Press one of the available numbers to change the contrast and press ✔ to confirm or press ➡ to exit.

Time delay

Power up the keypad. Press and hold 9. LCD will display the message:

<div style="text-align:right">

SET TIME DELAY
0 1 – X X X X X X

</div>

Enter Manager code. LCD will display current values:

<div style="text-align:right">

TIME DELAY   00
OPEN WINDOW   01

</div>

Press ➡ to exit or ✓ to set new values.

| T.DELAY | mm |
| O.WINDOW | mm |

Enter new values and press ✓ to confirm. LCD will display the message:

VALUES UPDATED

Time delay: 00 - 99 minutes. Open window: 01 - 19 minutes.

To set a lower time delay than the current set, lock must be open.

Master menu

Power up the keypad. Press and hold ✓. LCD will display the message:

MASTER MENU
X X X X X X X X

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

Time and date settings

Access the Master menu and access the function. LCD will display the message:

TIME AND DATE
SETTINGS

Press ✓. LCD will display current time and date:

08:00   FRY
27/01/2006

Press ✓ to change time and date.

hh:mm   _ _ _
DD / MM / YYYY

Enter new values and press ✓ to confirm.

Time Lock setting

Access the Master menu and access the function. LCD will display the message:

TIME LOCK
SETTING

Weekly Time Lock setting - Add new values

Access the time lock menu and access the function. LCD will display the message:

WEEKLY TIME LOCK
SETTING

Press ✓. LCD will display the message:

ADD NEW VALUES

Press ✓. LCD will display the current day of the week.

🔓 hh:mm   FRY
🔒 hh:mm

Enter first the opening time and then the closing time.

Press ☑ to confirm. LCD will display the next day of the week and propose the same values.
Press ☑ to confirm or ➡ to skip and change day.

At the end of the week LCD will display the message:

Press ☑ to save or ➡ to get back to the first day.

Settings will be saved when ☑ will be pressed. Up to four different periods can be set for each day.

Weekly time lock is an opening time period: the safe door can be opened if you enter a valid code (for ex. opening period from 08:00 to 14:00: the door can be opened from 08:00 to 14:00, but can't be opened at 16:00).

You can enter four different time periods for each day (for ex. MON from 07:00 to 10:00; from 12:00 to 13:00; from 15:00 to 16:00; from 18:00 to 19:00).
Time periods will be saved after confirmation (pressing ☑).

It is recommended to set the values with safe door open.

Weekly Time Lock setting – Verify or delete values

Access the time lock menu and access the function. LCD will display the message:

WEEKLY TIME LOCK
SETTING

Press ☑ and then ➡, LCD will display the message:

VERIFY OR
DELETE VALUES

Press ☑, LCD will display the set values for the first day.

🔓 hh:mm   FRI
🔒 hh:mm

Press ➡ to scroll all the set values.

Press ☑ to delete the set values. LCD will display the message:

DELETE?
                    v

Press ☑ to confirm or press ➡ to exit.

At the end of the list press ☑.

END OF LIST

Closing periods setting - Add new values

Access the time lock menu and access the function. LCD will display the message:

CLOSING PERIODS SETTING

Press ☑, LCD will display the message:

ADD NEW VALUES

Press ☑, LCD will display the message:

🔒 DD/MM/YY hh:mm
🔓 DD/MM/YY hh:mm

Enter first closing time and date and then opening time and date. Press ☑ to confirm.

If a value for the year **is set**, this closing period will cease after that date. If a value for the year **is not set**, the closing period will repeat every year.

To cancel entered values, press ➡.

Repeat this procedure for every closing period.

During closing periods the safe's door can not be opened.

Up to 30 opening periods are available for a maximum of fourteen (14) days each.

Closing periods setting – Verify or delete values

Access the time lock menu and access the function. LCD will display the message:

CLOSING PERIODS SETTING

Press ☑ and then ➡, LCD will display the message:

VERIFY OR DELETE VALUES

Press ☑, LCD will display the first saved closing period.

🔒 DD/MM/YY hh:mm
🔓 DD/MM/YY hh:mm

Press ➡ to scroll all the set values.

Press ☑ to delete the set values. LCD will display the message:

DELETE?
v

Press ☑ to delete the LCD values or press ➡ to exit.

At the end of list press ☑.

END OF LIST

Opening periods setting- Add new values

Access the time lock menu and access the function. LCD will display the message:

OPENING PERIODS SETTING

Press ☑. LCD will display the message:

Press ☑. LCD will display the message:

🔓 DD/MM/YY hh:mm
🔒 DD/MM/YY hh:mm

Enter first opening time and date and then closing time and date. Press ☑ to confirm.

If a value for the year **is set**, this opening period will cease after that date. If a value for the year **is not set**, this opening period will repeat every year.

To cancel entered values, press ➡.

Repeat this procedure for every opening period.

During opening periods it will be possible to open the safe's door even if time lock is active.

Up to 30 opening periods are available for a maximum of fourteen (14) days each.

Opening periods setting - Verify or delete values

Access the time lock menu and access the function. LCD will display the message:

OPENING PERIODS
SETTING

Press ☑ and then ➡, LCD will display the message:

VERIFY OR DELETE
VALUES

Press ☑ , LCD will display the first saved opening period.

🔓 DD/MM/YY hh:mm
🔒 DD/MM/YY hh:mm

Press ➡ to scroll all the set values.

Press ☑ to delete the set values. LCD will display the message:

DELETE?
v

Press ☑ to delete the LCD values or press ➡ to exit.

At the end of list press ☑.

END OF LIST

Audit

Download the audit on a Dallas key

Use this function to download all keypad and lock events on a Dallas key.

Access the Master menu and access the function. LCD will display the message:

| ENTER DALLAS |
| ... |

Enter the audit Dallas key into the reader. If the operation is successfully performed LCD will display the message:

| OPERATION DONE |

Scroll events on the LCD

Use this function to check all the opening and closing events stored in the lock.

Access the Master menu and access the function. LCD will display the message:

| ENTER DALLAS |
| ... |

Press ☑ or wait. LCD will display the message:

| SCROLL EVENTS |
| ON LCD |

LCD will start showing all the opening and closing events stored on the lock.

| 001: 🔒   WED |
| 28/09   14:42:48 |

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

Change Master code

Access the Master menu and access the function. LCD will display the message:

| CHANGE MASTER |
| CODE |

Press ☑ and enter the new code.

| ENTER NEW CODE |
| X X X X X X X |

Confirm the new code.

| CONFIRM CODE |
| X X X X X X X |

Always perform this operation with the door open.

Manager Management

Access the Master menu and access the function. LCD will display the message:

| MANAGER MANAGEMENT |

Press ☑ . LCD will display the message:

| MANAGER   v |

"V": Manager installed, "_": Manager deleted, "X": Manager disabled.

Press ☑ . If the Manager is not installed LCD will display the message:

| 01 |
| INSTALL? |

Press ☑ to confirm or press ➡ to disable/enable/delete and press ☑ to confirm.

Dynamic codes

Use this function to enable/disable dynamic codes function on the lock. Dynamic codes function can be only enabled when lock is open. Open the lock before enable the function.

Access the Master menu and access the function. LCD will display the message:

DYNAMIC CODES

Press ☑ . LCD will display the message:

STATUS: DISABLED (ENABLED)

Press ➡ . LCD will display the message:

STATUS: ENABLE? (DISABLE?)

Press ☑ to confirm. LCD will display the message:

OPERATION DONE

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

TECNOSICUREZZA
Locks & Security Systems

Certified ISO 9001 : 2008