## General

The LCD Code is a fancy encoder combined digitally
Communicate system for apartment or office.
An English friendly LCD display guides.
Option for color or black & white camera.
The product is anti vandal

## Features:

| | |
|---|---|
| Up to 70 simultaneously different access codes. | Easy installation, programming and operating. |
| Environmental and anti vandal resistance. | 16 characters on 2 lines English LCD display. |
| Optional bypass exit pushbutton | Illuminated display |
| Power failure resistance, keeps the names, settings and access codes in nonvolatile memory | . |

## Specifications:

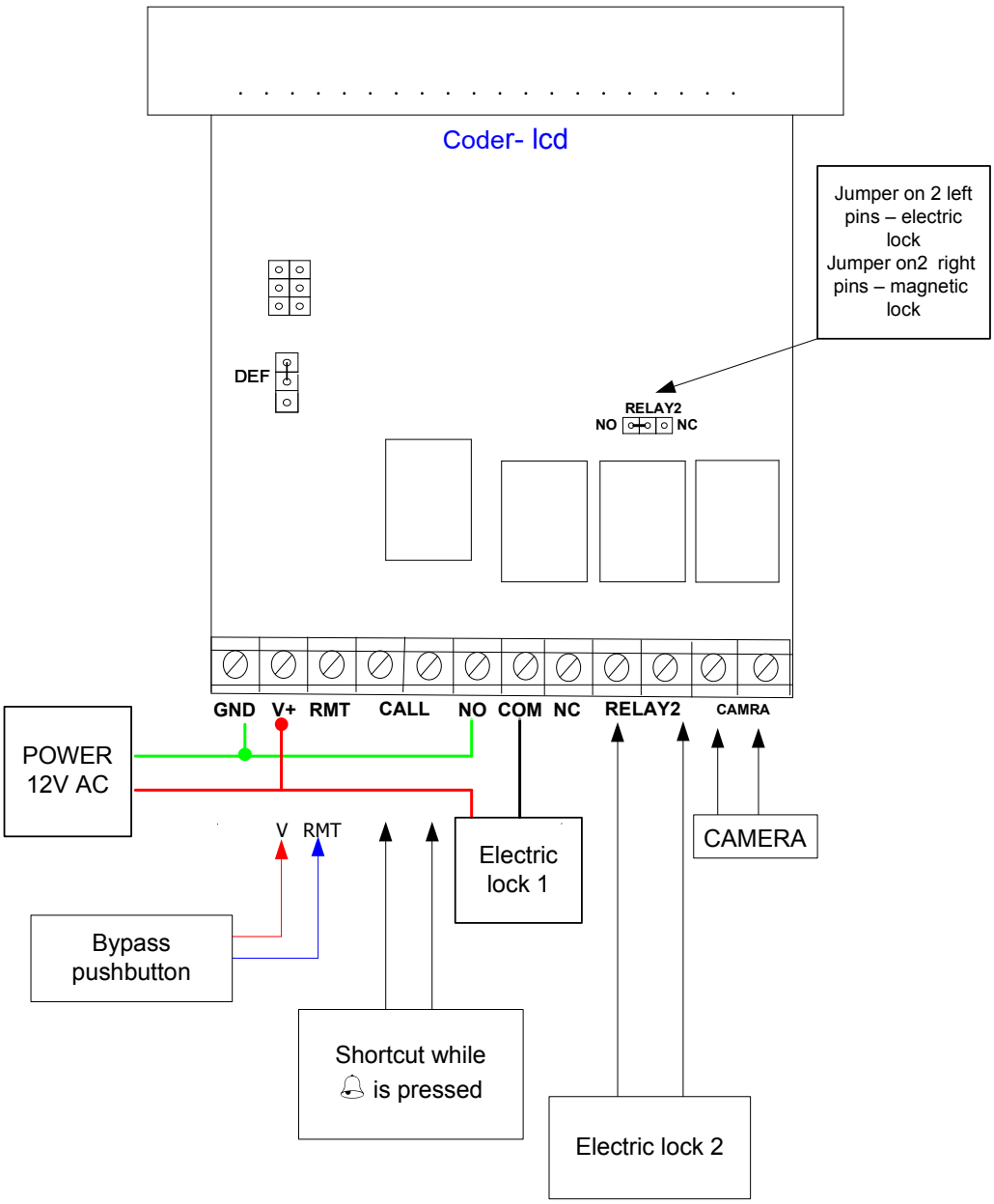
| | |
|---|---|
| Operating voltage: AC/DC 12V 1000mA | Code length: 2-6 keys |
| Operating electric or magnetic lock. (Normally open or normally close) | Opening time: 1-99 seconds |
| Color: silver or bronze | Size: 7.6*4.5*1.9 in (H*W*D) |

## Installation:

Make sure the power supply is not connected.
A 100X250 mm opening window should be cut in the mounting surface.
Mount the unit in its place.
Route the following wirings:

- 2 wires from 12 VAC 1000mA power supply.
- 2 wires from optional bypass pushbutton.
- 2 wires from electric lock.

## LCD CODER Electrical Drawing



## Programming:

If not changed, technician code is: 123456.
**To enter to the programming menu** type the following sequence: asterisk, technician code, and asterisk. Press: *** ⇒ 123456 ⇒ ***
The programming menu appears. You can navigate among the following screens by pressing the 🔔 key and leave the menu by pressing the 🔔 key for longer then 2 sec or wait for 10 seconds without touching the key pad.

The menu screens:

| | |
|---|---|
| 1. This screen is used to maintain all the times Needs for the unit. | Main Menu: Time setting |
| 2. This screen is used to maintain the service codes. (Master code) | Main Menu: Service Code |
| 3. This screen is used to maintain the access (user) Code. | Main Menu: Access Code |
| 4. This screen is used to maintain the number of codes used for relay number 1 (the rest for relay#2). | Main Menu: Sum of Codes for Rly #1 |
| 5. this screen is used to set the timer that Call relay will hold after # key is press (call/Ringing time). | Main Menu: Ring Time, for Key(#) |
| 6. this screen is used to edit the header line. | Main Menu: Edit header line |
| 7. this screen is used to edit the footer line. | Main Menu: Edit footer line |
| 7. this screen is used to edit the footer line 2. | Main Menu: Edit footer line2 |

**1. Setting Timings**

This screen is used to set the different timing settings.
Scroll the programming menu by using 🔔 button till this Menu appears, Press the * button to enter.

```
Main Menu:
Time setting
```

**1.1 Setting Delay1 Time**

Delay1 Time is the time between pressing the access code till the lock opens.
Default time is 0 seconds.
Entering a value will delay the door open command, along This delay a Beep will be sound.
Run over the current value, by pressing the new value.
Then enter the value by using * button.

```
Time setting:
Door1 delay =00s
```

To confirm and move to the next sub menu use the 🔔 button.

To confirm and leave time setting menu, press 🔔 button for longer then 2 sec.

**1.2 Setting Door1 Opening Time**

Door1 Opening Time is the time the electric lock will be open. This time should be long enough to reach the door and pull the handle.
During this time a constant Beep will be sound.
(The Beep is needed for silent DC operated locks).
By entering value 0 the unit will act as toggle each time The correct code is enter the relay will flip position (return to last mode after power fail).
Run over the current value, by pressing the new value.
Then enter the value by using * button.

```
Time  Setting:
Door1 open =03s
```

To confirm and move to the next sub menu use the 🔔 button.

To confirm and leave time setting menu, press 🔔 button for longer then 2 sec.

**1.3 Setting Delay2 Time**

Delay2 Time is the time between pressing the access code till the lock opens.
Default time is 4 seconds.
Entering a value will delay the door open command, along This delay a Beep will be sound.
Run over the current value, by pressing the new value.
Then enter the value by using * button.

```
Time setting:
Door2 delay =04s
```

To confirm and move to the next sub menu use the 🔔 button.

To confirm and leave time setting menu, press 🔔 button for longer then 2 sec.

**1.4 Setting Door2 Opening Time**

Door2 Opening Time is the time the electric lock will be open. This time should be long enough to reach the door and pull the handle.
During this time a constant Beep will be sound.
(The Beep is needed for silent DC operated locks).
By entering value 0 the unit will act as toggle each time The correct code is enter the relay will flip position (return to last mode after power fail).
Run over the current value, by pressing the new value.
Then enter the value by using * button.

```
Time  Setting:
Door2 open =03s
```

To confirm and move to the next sub menu use the 🔔button.

To confirm and leave time setting menu, press 🔔 button for longer then 2 sec.

**1.5 Setting Rmt waiting Time**

Rmote waiting (Rmt Waiting) Time is the time the unit keeps waiting until open the door1 after RMT input is trig.l
Run over the current value, by pressing the new value.
Then enter the value by using * button.

| |
|---|
| Time setting:<br>Rmt waiting =00 s |

To confirm and move to the next sub menu use the 🔔 button.

To confirm and leave time setting menu, press 🔔 button for longer then 2 sec.

**1.5 Setting camera Time**

camera Time is the time the unit keeps the camera operates.
Run over the current value, by pressing the new value.
Then enter the value by using * button.

| |
|---|
| Time setting:<br>Camera time:30s |

To confirm and move to the next sub menu use the 🔔 button.

To confirm and leave time setting menu, press 🔔 button for longer then 2 sec.

**2. Service (technician) code**

Recommended service Code length is 6 digits. Keep the new code with this manual. Access to the programming menu is enabled only with this code.
If the service Code is forgotten, performing the "Initiation" procedure, detailed in paragraph 7, could restore the manufacturer default Tech. Code.
The restored code is **123456** it will enable you to enter the Programming menu and change the service Code.
Scroll the programming menu by using 🔔 button till this Menu appears, Press the * button to enter.

| |
|---|
| Main Menu:<br>Service Code |

**2.1 Changing the service code**

The service code will appear on the screen.
Default value is 123456 codes.
Run over the current code, by pressing the new code
Then enter the code by using * button.
To confirm and leave service code menu,
Press 🔔 button for longer then 2 sec.

| |
|---|
| Service code<br>Is : 123456 |

**3. Access (user) code**

Recommended service Code length is 6 digits. Access to the programming access code and extension numbers menu is enabled only with this code.
The restored code is **222222** it will enable you to enter the Programming access code and extension numbers menu.
Scroll the programming menu by using 🔔 button till this Menu appears, Press the * button to enter.

| |
|---|
| Main Menu:<br>Access Code |

**3.1 Changing the access code**

The access code will appear on the screen.
Default value is 222222 codes.
Run over the current code, by pressing the new code
Then enter the code by using * button.
To confirm and leave service code menu,
Press 🔔 button for longer then 2 sec.

| |
|---|
| Access code<br>Is : 222222 |

**4. Number of code for relay 1**

Number of code for relay 1 (the rest from 70 is to relay 2).
Scroll the programming menu by using 🔔 button till this Menu appears, Press the * button to enter.

| |
|---|
| Main Menu: Sum of Codes for Rly # 1 |

**4.1 Changing the number of rings to answer**

Number of code for relay 1.
Default value is 50 codes.
Run over the current number, by pressing the new number
Then enter the number by using * button.
To confirm and leave service code menu,
Press 🔔 button for longer then 2 sec.

| Type num. of Code to Rly#1:50 |
|---|

**5. Ringing time for call (Key 🔔)**

Ringing time for call (after pressing the 🔔 key ).
Scroll the programming menu by using 🔔 button till this Menu appears, Press the * button to enter.

| Main Menu: Ring Time,for Key(#) |
|---|

**5.1 Changing the Ringing time**

Number of seconds the call relay hold (ringing time).
Default value is 3 seconds.
Run over the current value, by pressing the new value
Then enter the new value by using * button.
To confirm and leave service code menu,
Press 🔔 button for longer then 2 sec.

| Ring time: key-#. Of Hold for 3 sec |
|---|

**6. maintaining the lines names**

This screen is used to maintain the head, footer and footer 2
Scroll the programming menu by using the 🔔 till this menu appears. Then press the * (STAR) button to enter

| Main Menu: Edit header line |
|---|

The Following screen will appear on the screen, you can run them over.
Name length is limited to 16 characters.
Writing method:
After each character writing the cursor should be proceeded to move back the cursor use the **'*'** button.
To proceed use the 🔔 button.

| Header line is Company ..... |
|---|

Each numerical button represents several letters, as shown in the table. Any cell phone keyboard can assist you to identify the letters.

| | | |
|---|---|---|
| 1 ,,-,. | 2 A,B,C | 3 D,E,F |
| 4 G,H,I | 5 J,K,L | 6 M,N,O |
| 7 P,Q,R,S | 8 T,U,V | 9 W,X,Y,Z |
| * ◀ | 0 ( ) | # ▶ |

For instance, to enter the name: "SAM" to apartment number 15
In order to type the letter "S" press "7" four times.
Proceed the next character by pressing the 🔔 button.
In order to type the letter "A" press "2" once.
Proceed the next character by pressing the 🔔 button.
In order to type the letter "M" press "6" once.
Proceed the next character by pressing the 🔔 button.

| Header line is SAM |
|---|

In order to leave a blank character instead of existing one: step over the letter to be deleted and press once the "0" button.
To edit another name – using the arrows scroll to his apartment number.
To leave the menu press 🔔 button for longer then 2 sec.
the names alphabetically in its memory.

**Rapid similar proceeding r for footer line and for footer line 2**

## User Programming Menu:

If not changed, access (user) code is:222222.
**to enter to the User Programming Menu** type the following sequence: asterisk, technician code, asterisk. Press: ***** ⇒ **222222** ⇒ ***** ,the programming menu appears. You can navigate among the following screens by pressing the 🔔 key and leave the menu by pressing the 🔔 key for longer then 2 sec or wait for 10 seconds without touching the key pad.

The menu screens:

1. This screen is used to maintain all access codes

| Code setting:<br>Code 01 : 123 |
|---|

### Setting Codes

This screen is used to set the 70 existing codes in the unit.
Scroll the programming menu by using 🔔 button till this

| Code setting:<br>Code 01 : 123 |
|---|

Run over the current code, by pressing the new code.
then enter the value by using * button.
(Deleting code done by using * button with out the new code).
To confirm and move to the next code menu use the 🔔 button.
**After you reach the menu for code 70 the first code changing will appear.**
To confirm and leave time setting menu , press 🔔 button for longer then 2 sec.

### Initiation state

In case the technician code was forgotten, the manufacturer default code could be restored.
The restored Technician Code is: **123456.** using it you can access the programming menu.
Implementation: disconnect the power source.
Using Philips screw driver open the unit's cover's screw.
Look for connector **JP14** in the circuit board left side.
Place the jumper over the two most upper pins (labeled DEF).
Reconnect the power source carefully. A short conformation Beep will be sound.
Disconnect the power source.
Place the jumper back to the most lower pins of connector **JP14**.
Place the panel back and tighten the screw.
Reconnect the power source.
The procedure is completed, the Technician Code is restored without effect on other data stored in the device.

**END**