ENG

Door Access Communicator

Instruction Manual

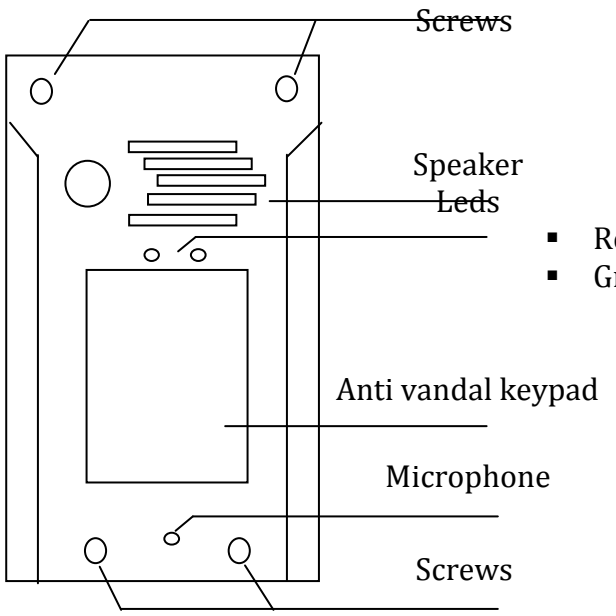
Codephone
KX-T918

KX-T918-MTL-Rfid

KX-T918-MTL

Please read this manual carefully before using the product.

1. Parts and Functions



- Red – Power on
- Green - Programming mode

2. General

TadorCodephone is a door communicator places the traditional door entry system which would traditionally have to have a whole cabled distribution infrastructure behind it.The unit can connect to any telephone system via either an analogue extension or trunk port.The Codephone can also connect to any network provider's analogue telephone line.Codephoneis also easy to use. Just press the desired call button and the Codephone will automatically dial the number pre-stored in the respective memory. The Codephone also has a switch that controls the electric lock by using any telephones keypad (by tone-dialing key).

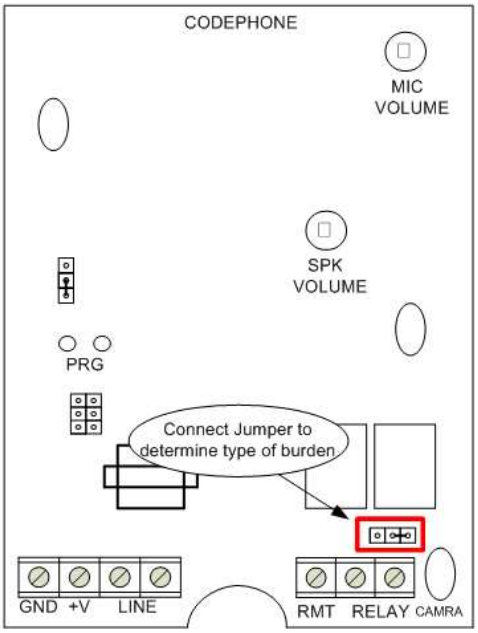
- Authorized person can enter by entering a programmed access code.
- The panel is built with anti vandal materials with high resistance.

3. Specifications

- Operating voltage: 12V Voltage Transformer rates at least 1500mA.
- Running electric lock or magnetic. Normally Open or Normally Close.
- Panel Dimension:

o Flush Mount	o Surface Mount
Depth – 30 mm	Depth – 30 mm
Length – 190 mm	Length – 171 mm
Width – 102 mm	Width – 99 mm

4. Set lock type



Connect Jumper **JM1**according to type of lock you are Using. (See picture)
Jumper **JM1** is placed on the right side at the bottom of the Electric board

Jumper mode	lock type	
Jumper on two left pins	Electric lock	(Normally open)
Jumper on two right pins	Magnetic lock	(Normally close)

5. Before Installation

Install the lockand prepare the wires infrastructure:
Two wires from the power supply, two wires to the lock, two wires to the PBX extension and another two wires for Push to exit button(if installed).

Assemble the wires through the hole on the back box of Tador Codephone.
Mark the four drill points of the back box on the wall. Drill and install the back box to the wall.

Make sure the AC adapter is unplugged.
Connect the wires to the Electronic circuit using the captions on the PCB and using the electric diagram (refer to page 10)

6. Programming TadorCodephone modes

(Codephone keypad)

❖ **There are 3 modes: User, Technician, Remote**

A. User Programming Mode.

User programming mode allows the user to program new access codes to the Codephone, delete existing and setup speed dial numbers.

❖ **Enterprogrammingmode** – dial the user programming code (default 222222*).
The green led will blink (indicates programming mode is active), as long as the programming mode is active you will be able to setup the unit.

❖ **Exitprogrammingmode** – press and hold the bell button (🔔Bell).

1. ProgrammingAccessCodes– (In technician programming mode)

The Codephone have 40 memory cells, storing 40 different access codes.
The cells are numbered from 01 to 40 (usetwo digits to enter cell number).

- Enter user programming mode (222222*)
- Press the two digits of the required cell number (01,02...,40).
- Enter the new access code, the code length can be up to six digits.
- Press the asterisk (*) button to Approve the change.
- To exit programming mode press and hold the bell button (🔔Bell).
- To setup additional access codes repeat the session described above.
- Programming new access codes on existing cells will replace the existing codes.

Programming code	Approval	Cell number	New code	Approval	Exit Programming mode
⇒222222	*	01	2323	*	🔔(Bell)

2. Programming speed dial numbers

There are 10 cells in Tador Codephone memory to store 10 speed dial numbers.
Cells 41 to 49 are used for speed dial 0 to 9 keys respectively (cell 41 – 1, 42-2…).

1. Cell 50 is used to speed dial the 0 or bell button (🔔).
   - Enter user programming mode
   - Press two digits (cell 41-50) that willstore thedial speed.
   - Enter the telephone number or the extension number (up to 15 digits).
   - Press the bell (🔔) button betweendialing sequence to make pause.
   - Press the asterisk (*) button to Approve the change when you are done.
   - To exit programming mode press and hold the bell button (🔔Bell).
   - To add additional access codes repeat the session described above.
   - **Programming dial speed on existing cells will replace the existing.**

   Example: Pressingthe bell buttonin the Codephonewill callext. 347.
   Make the following sequence on the Codephone (from left to right)

Programming code	Approval	Cell number	Extension #	Approval	Exit Programming mode
⇒222222	*	50	347	*	🔔(Bell)

3. IP PBX

1. When using an IP PBX, it is required to add Hash (#) to the end of the call.
   Hash can be done when pressing 2 then🔔.
   Example: When pressing on the bell buttontheCodephone extension dialing347#.
   Make the following sequence on the Codephone (from left to right).

Programming code	Approval	Cell #	Extension #	Add a hash	Approval	Exit Programming mode
⇒222222	*	50	347	2🔔	*	🔔(Bell)

2. Make a twosecondpause in a dial to go to external line. (Usually dial 9, external).
   Example: When pressing onthe bell button the Codephonewill ring with a break of 2 seconds to phone whose number is: 9 →(2 sec pause) →XXXX.
   Press the following sequence on the Codephone (left to right)

Programming code	Approval	Cell #	Extension #	Add a hash	Number(#)	Approval	Exit Programming mode
⇒222222	*	50	347	2🔔	xxxx	*	🔔(Bell)

3. **Dial Symbols**

* (hold longAsterisk)2	# Hash
* (hold long Asterisk)0	-Pause
* (hold long Asterisk)3	* Asterisk

4. RFID – Proximity card programming

The device could be programmed with up to 150 RFID cards
The RFID initialization should be done for virgin device, follow:

Programming code	Approval	Cell number	Initialization code	Approval	Exit Programming mode
⇒123456	*	97	5555	*	(Bell)

4.1. RFID card adding:

a) Enter the user program mode by 222222* (default)
b) Press 88* to enable RFID card programming
c) Couple the RFID card to device RFID window, the special tone will hear
d) Couple the second RFID card and special tone will hear again, for more cards continue with same action

Programming code	Approval	Cell number	Approval	Couple RFID card	Exit Programming mode
⇒222222	*	88	*		(Bell)

- In case the device is virgin (never programmed RFID cards), the first card will be store in memory sell 001, second in 002 and so on
- In case device already been programmed with RFID cards in past, the first card will be store in first unfilledsell (Example: you have programmed 10 RFID card in past and want to add more cards now. The first card you add now will be store in sell 011, second in 012 and so on)

Strongly recommended to trace the cards and memory to avoid RFID card trampling

- Trace the last memory sell where stored RFID card
- Mark the RFID card number with memory cell where card stored

4.2. Erasing/replacing RFID card

For erasing/replacing RFID card you have know the memory sell number where card have been stored

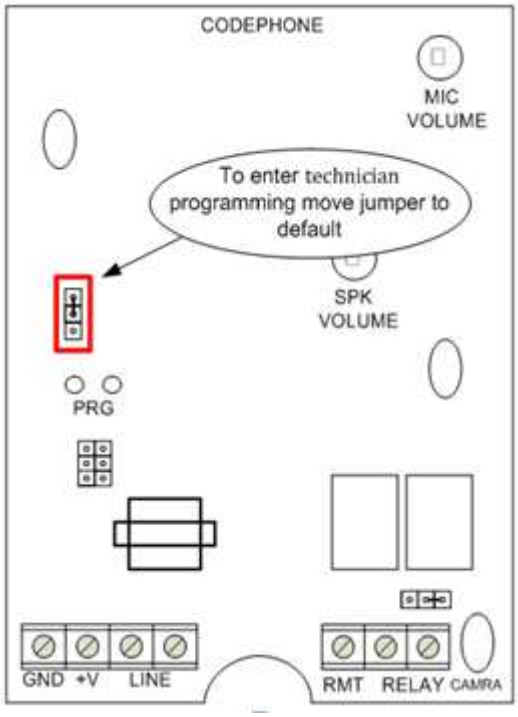
4.3. Enter the user program mode by 222222* (default)
4.4. Press 88* to enable RFID card programming
4.5. Press the cell number where card stored and asterisk button (*), for instance 001*
4.6. Press 000* to remove programmed RFIDcard (erasing) or couple a new card to device RFID window to replace with new card, the special tone will hear

Example: Replace RFID card that stored in memory cell 009

Tap user PW	Enter program mode	Tap RFID PW	Enter RFID menu	Tap memory cell	Confirm	Couple new RFID card	Exit programming
⇒**222222**	*	88	*	009	*		(Bell)

Exit User Programming–hold the bell (🔔) button.

B. Technician Programming Mode– (Tador Codephone Keypad)



The access to the Technician programming mode:

- Enter Programming code 123456* (cannot be change).
- Set the jumper as shown.

i. **Entertechnician programming mode–**
   - Move the Jumper to the two top pins. (See drawing)
   - Enter thetechnicianprogramming code 123456*

(Keypad will blinkto indicate the programming mod is active).

ii. As long as the technician programming mode is active, you will be able to setup the unit.

iii. **To exit technicianprogramming mode**–Press and hold thebell (🔔) button.

Note -Transferjumper back to the two lower pins so unauthorized third party userwill notbe able to enter the programming mode.

Tador Codephone will sound a "beep" to approve correct values,
And make sound of "long beep" when entering wrong values.

1. Setting "lock delay" time– the lock delay time is the time that passes from the moment the valid access code pressed to the moment the lock latch (suitable for situations where there is a distance between Tador Codephone to the door).

Cell number01 (default timeis 0 seconds.)

Example: changethe"lock delay" time to 7 seconds.

Enter technician programming mode, Enter the cell number 01, followed by the new value you want to set07 (two digits), then press (*) asteriskfor approval and press and hold bell 🔔 button to exit programming mode.

Programming code	Approval	Cell number	New value	Approval	Exit Programming mode
⇒123456	*	01	07	*	🔔(Bell)

2. Relay strike time –The duration that the lock will remain open.

Cell number is 02 (default 3 seconds).

Example: changethedoor opening time to 5 secedes.

Enter technician programming mode, Enter the cell number 02, followed bythe newvalue you want to set 05 (two digits), and then press (*) asterisk to approval.

Programming code	Approval	Cell number	New value	Approval	Exit Programming mode
⇒123456	*	02	05	*	🔔(Bell)

3. Change the user programming code – In order to change the user programmingcode. (default 222222*)

Example: change theuser programming code to 666777.

Enter technician programming mode, Enter the cell number 09, followed bythe new code you want to set 666777(six digits), and then press (*) asterisk to approve.

Programming code	Approval	Cell number	New code	Approval	Exit Programming mode
⇒123456	*	09	666777	*	(Bell)

4. User access codes resetting

4.1. Enter the program mode by 123456* (default)
4.2. Press 97
4.3. Press 0000 to reset all access codes, long tone will heard
4.4. Press bell (🔔) key to exit program mode

Programming code	Approval	Cell number	Initialization code	Approval	Exit Programming mode
⇒123456	*	97	0000	*	(Bell)

5. Talk time–This programming sequence sets the maximum time allowed for conversation from the time Tador Codephoneplaces the call.

Enter in cell 11, (default 60 seconds).

Example: changethe talk time to 35 secedes.

(In technician programming mode)enter the cell number 11, followed bythe new talk time you want to set 35(two digits), and then press (*) asterisk to approve.

Programming code	Approval	Cell number	Talk time	Approval	Exit Programming mode
⇒123456	*	11	35	*	(Bell)

6. Number of Rings to Answer–This programming section sets the number of rings that the Tador Codephone will allow to pass through the system before it picks up the call. Enter in cell number 12, (default one ring).

Example: changethe number of rings to picks upto 3.

(In technician programming mode)Enter the cell number 12, followed bythe new value you want to set 03(two digits), and then press (*) asterisk to approve.

Programming code	Approval	Cell number	New value	Approval	Exit Programming mode
⇒123456	*	12	03	*	(Bell)

7. Tone Open Number –These steps will program the tone open number – the key you will press from the PBX telephone to grant entry.

Cell 13, (default 7 first door).

Example: changethe tone open number to 9.

(In technician programming mode)enter the cell number 13, followed bythe new open number that you want to set 09(two digits), and press (*) asterisk to approve.

Programming code	Approval	Cell number	New value	Approval	Exit Programming mode
⇒123456	*	13	09	*	🔔(Bell)

8. Camera relay strike– Set the camera relay strike time (default 30 seconds) stored in cell 14,(the camera turns on automatically after pressing the bell door when calling **Tador Codephone** unit).

Example: changethe camera running time to 60 seconds.

(In technician programming mode) Enter the cell number 14, followed bythe new value that you want to set 60 (two digits), and then press (*) asterisk to approve.

Programming code	Approval	Cell number	New value	Approval	Exit Programming mode
⇒123456	*	14	45	*	🔔(Bell)

Note -If the camera is not connected, there is an option to connect a second lock instead.

9. Door opening delay

This is a time that passing after entering access code or coupling RFID card to actually lock activation (in standard situation no need to change).

Usually using when panel located far away from the door. The data located in memory cell 01.

Example: Set delay time 3seconds

Programming code	Approval	Cell number	New value	Approval	Exit Programming mode
⇒123456	* 🔊	01	03	* 🔊	🔔(Bell)

10. Pushbutton delay

This is a time that passing after pushbutton pressing to actually lock activation (in standard situation no need to change). The data located in memory cell 05.

Usually using when pushbutton located far away from the door

Example: Set delay time 3seconds

Programming code	programming	Cell number	New value	Approval	Exit Programming mode
⇒123456	* 🔊	05	03	* 🔊	🔔(Bell)

Exit User Programming – hold the bell (🔔) button.

11. RFID – Proximity card programming

The device could be programmed with up to 150 RFID cards

The RFID initialization should be done for virgin device, follow:

Programming code	Approval	Cell number	Initialization code	Approval	Exit Programming mode
⇒123456	*	97	5555	*	(Bell)

11.1. RFID cards adding:

a. Enter the user program mode by 123456* (default)
b. Press 88* to enable RFID card programming
c. Couple the RFID card to device RFID window, the special tone will hear
d. Couple the second RFID card and special tone will hear again, for more cards continue with same action

Tap user PW	Enter program mode	Tap RFID PW	Enter RFID menu	Couple new RFID card	Exit programming
⇒**123456**	*	88	*		(Bell)

- In case the device is virgin (never programmed RFID cards), the first card will be store in memory sell 001, second in 002 and so on
- In case device already been programmed with RFID cards in past, the first card will be store in first unfilled sell (Example: you have programmed 10 RFID card in past and want to add more cards now. The first card you add now will be store in sell 011, second in 012 and so on)

Strongly recommended to trace the cards and memory to avoid RFID card trampling

- Trace the last memory sell where stored RFID card
- Mark the RFID card number with memory cell where card stored

12. RFID – Proximity card erasing or replacing (remove programmed card and set new one instead)

For erasing/replacing RFID card you have know the <u>memory sell</u> number where card have been stored

e. Enter the user program mode by 123456* (default)
f. Press 88* to enable RFID card programming
g. Press the cell number where card stored and asterisk button (*), for instance 001*
h. <u>Press 000* to remove programmed RFID card (erasing) or couple a new card to device RFID window to replace with new card, the special tone will hear</u>

Example: Replace RFID card that stored in memory cell 009

Tap user PW	Enter program mode	Tap RFID PW	Enter RFID menu	Tap memory cell	Confirm	Couple new RFID card	Exit programming
⇒**123456**	*	88	*	009	*		(Bell)🔔

13. RFID card resetting/initialization

a. Enter the program mode by 123456* (default)
b. Press 97
c. Press 5555 to reset all programed RFID, long special tone will heard
d. Press bell (🔔) key to exit program mode

Programming code	Approval	Cell number	Initialization code	Approval	Exit Programming mode
⇒123456	*	97	5555	*	🔔(Bell)

C. Remote Programming from PBX extension

Some of the data can be programmed through thePBX extension telephone.

i. **Enter extension programming mode –** to enter programming mode follow the next steps
   - Dial from any telephone to the extension of TadorCodephone.
   - Press the hash key twice (#, #)(the green led will blink to confirm programming mode active).

ii. **Exit extension programming mode –** press twice on the hash key(#, #) or wait 10 seconds.

1. Programming speed dial numbers

There are 10 cells in **Tador Codephone**memory to store 10 speed dial numbers.
Cells 41 to 49 are used for speed dial 0 to 9 keys respectively (cell 41 – 1, 42-2…).
Cell 50 is used to speed dial the 0 key or bell button (🔔).
Exampleset the bellkey (🔔) to fast dial to extension 347.
Enter remote programming mode, enter the cell number 50, followed by the extension number 347to set for speed dial, and then press (#)Hash key to approve.

Programming code	Programming	Cell number	Fast dial	Approval	Exit Programming mode
Call Codephone	##	50	347	#	##(Hash)

Note –Asterisk(*) Key will be used for pause.

Hash(#) Dial - (for IP PBX only)on IP PBX Hashis required at the end of the number.
Example: Set thebell key (🔔)to fast dial to extension 347#.
Enter remote programming mode, Enter the cell number 50, followed by the extension number347# then press *2 and then(#)Hash key to approve.

Programming code	Programming	Cell number	Fast dial	Insert (hash #)	Approval	Exit Programming mode
Call Codephone	##	50	347	*2	#	##(Hash)

2. Adding two seconds pause on dial

Example: Whenpressing the bell button (🔔)Tador Codephonewill call the telephoneafter a pause of 2 seconds.
Enter remote programming mode, Enter the cell number 50, enter the number 9 to get to the external line, press *0 (to get the 2 seconds pause), enter the Telephone number and # key to approve.

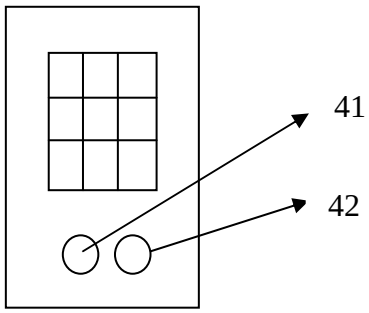
Programming code	Programming	Cell number	External line	Pause	Tel #	App	Exit Programming mode

Call Codephone	##	50	9	*0	xxx	#	##(Hash)

3. Dial Symbols

* (hold long Asterisk)2	# Hash
* (hold long Asterisk)0	-Pause
* (hold long Asterisk)3	* Asterisk

In the two push button, and four buttonTador Codephone Model KX-T918-AV-2P/L, to program the push button from 1 - 9 use the cell consecutively from 41 - 49



4. Settings relay strike time for the first relay–(default 3 seconds).

Example: changethe relay strike time to 5 seconds

Enter remote programming mode, enter the cell number 02, followed bythe new time that you want to set 05 two digits, and then press (#)Hash key to approve.

Programming code	programming	Cell number	New time	Approval	Exit Programming mode
Call Codephone	##	02	05	#	##(Hash)

5. Change the user programming code – Set a new user programming code (default 222222*).

Example: changethe code to 666777*.

Enter remote programming mode, Enter the cell number 09, set a new code666777 (six digits), and then press (#) Hash key to approve.

Programming code	programming	Cell number	New code	Approval	Exit Programming mode
Call Codephone	##	09	666777	#	##(Hash)

6. Talk time – This programming sequence sets the maximum time allowed for conversation from the time the Tador Codephone places the call(default 60 seconds).

Example: changethe talk time to 90 seconds.

Enter remote programming mode, enter cell number 90, followed bythe new time that you want to set 90(two digits), and then press Hash (#) key to approve.

Programming code	programming	Cell number	New time	Approval	Exit Programming mode
Call Codephone	##	90	90	#	##(Hash)

7. Number of Rings to Answer– This programming section sets the number of rings that the Tador Codephone will allow to pass through the system before it picks up the call. Cell number 12, (default one ring).

Example: Change the number of ring to answer to 3 rings.

Enter remote programming mode, Enter cell number 12, followed bythe new amount of rings you want to set 03(two digits), and then press Hash(#) key to approve.

Programming code	programming	Cell number	New value	Approval	Exit Programming mode
Call Codephone	##	12	03	#	##(Hash)

8. Camera relay strike– Set the camera relay strike time (play time, default 30 sec).

Example: changethe camera uptime to 40 seconds.

Enter remote programming mode, Enter cell number 14, followed bythe new value you want to set 40(two digits), and then press Hash(#) key to approve.

Programming code	programming	Cell number	New value	Approval	Exit Programming mode
Call Codephone	##	14	40	#	##(Hash)

9. Door opening delay

This is a time that passing after entering access code or coupling RFID card to actually lock activation (in standard situation no need to change).

Usually using when panel located far away from the door. The data located in memory cell 01.

Example: Set delay time 3seconds

Programming code	programming	Cell number	New value	Approval	Exit Programming mode
Call Doorphone	##	01	03	#	##(Hash)

10. Pushbutton delay

This is a time that passing after pushbutton pressing to actually lock activation (in standard situation no need to change). The data located in memory cell 05.
Usually using when pushbutton located far away from the door
Example: Set delay time 3seconds

Programming code	programming	Cell number	New value	Approval	Exit Programming mode
Call Doorphone	##	05	03	#	##(Hash)

11. Connecting a second lock Instead of Camera

To connect second locks instead of the camera follow the next steps

1. **Set the Camera relay strike time**(watch page # 6, chapter B, Section 3).
   Set in the cell 14, value 0
2. **Set the tone open number**(watch page # 9, chapter D, Section 10).
   Set the different opening keys from the extension.
3. **Set user access codes**(watch page # 3, chapter A, Section 1).
   Note - Codes 1-21 will be used to open the first lock.
   Codes 21-40 will be used to open the second lock.
4. Connect the lock's wires between the CAMRA terminals.
   - The opening mode will be Normally Close only.
   - The Opening and Delay times set to the first lock applicable to the second
     Caution: wrong connection might cause irreversible damage to the unit

12. Tone Open Number – These steps will program the tone open number – the key you will press from the PBX telephone to grant entry for the first relay, and the second if exist (for second lock - see page # 8, part 8, and section 7.2).

One lock mode– Enter the tone open number twice (77)
Example:change the tone open number to 7.

Enter remote programming mode, Enter cell number 13, set the new tone open number 77(same two digits), and then press Hash (#) key to approve.

Programming code	programming	Cell number	New key	Approval	Exit Programming mode
Call Codephone	##	13	77	#	##(Hash)

Two locks mode –
Example:change the first tone open number to 7 and the second to 8.

Enter remote programming mode, Enter cell number 13, set the new tone open number want 78(two digits – first digit is for first lock, second digit for the second lock), and then press Hash (#) key to approve.

Programming code	programming	Cell number	New keys	Approval	Exit Programming mode
Call Codephone	##	13	78	#	##(Hash)

13. RFID – Proximity card programming

The device could be programmed with up to 150 RFID cards

The RFID initialization should be done for virgin device, follow:

Enter programming	Cell number	Initialization code	Approval	Exit Programming mode
⇒##	97	5555	#	##

13.1. Add RFID card follow the below instruction:

a. Dial from any telephone to the extension of Tador Codephone.
b. Press the hash key twice (#, #)(the keypad will blink to confirm programming mode active).
c. Press 88# to enable RFID card programming
d. Couple the RFID card to device RFID window, the special tone will hear
e. Couple the second RFID card and special tone will hear again, for more cards continue with same action

Enter programming	Cell number	Approval	Couple RFID card to black window	Exit Programming mode
⇒##	88	#		##

- In case the device is virgin (never programmed RFID cards), the first card will be store in memory sell 001, second in 002 and so on
- In case device already been programmed with RFID cards in past, the first card will be store in first unfilled sell (Example: you have programmed 10 RFID card in past and want to add more cards now. The first card you add now will be store in sell 011, second in 012 and so on)

Strongly recommended to trace the cards and memory to avoid RFID card trampling

- Trace the last memory sell where stored RFID card
- Mark the RFID card number with memory cell where card stored

14. RFID – Proximity card erasing or replacing (remove programmed card and set new one instead)

For erasing/replacing RFID card you have know the memory sell number where card have been stored

a. Dial from any telephone to the extension of Tador Codephone.
b. Press the hash key twice (#, #)(the keypad will blink to confirm programming mode active).
c. To erase programmed card
   - Press 88 and cell number to access the cell where card stored, for instance 88001#
   - Press 88000# to remove programmed RFID card
d. To replace with new card
   - Tap 88# ⇒ "cell number" # and couple a new card to device RFID window, the special tone will hear. For instance 88# ⇒ **001#**

Example: Replace RFID card that stored in memory cell 009

Enter program mode	Enter RFID programming	Confirm	Tap memory cell	Confirm	Couple new RFID card	Exit programming
⇒##	88	#	009	#		(hash)##

15. RFID card resetting

e. Enter the program mode by ##
f. Press 97
g. Press 5555 to reset all programed RFID, long special tone will heard
h. Press hash (##) key to exit program mode

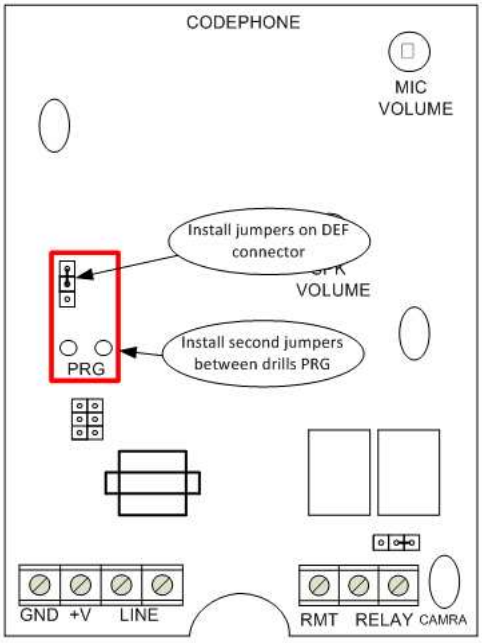
Enter programming	Cell number	Initialization code	Approval	Exit Programming mode
⇒##	97	5555	#	##

D. Initiating Tador Codephone –Clear all memory

In Order to reset the Tador Codephone from all its memory including dial speed access codes and restore all settings to default values.

Follow these steps:

1. Disconnect the power supply from the Codephone.
2. Install jumpers on DEF connector between thecentral pin and the pin above it.
3. Install second jumpers between drills PRG (The PRG drills are located below connector DEF)
4. Connect the power supply to Tador Codephone.
5. Wait about 3 seconds until the tune stops indicating completion of the process.
6. Remove the jumper from drills PRG.
7. Reinstall jumper on connector DEF between the central pin and the pin below it.



E. Speaker volume adjustments

Tador Codephonecomes from the manufacture with the microphone volume optimally adjusted.

Sometimes because of the location (opened or closed space), acoustical problems occur. If the Codephone speaker sound level is too high or low, gently rotate the internal SPK potentiometer.

16. Programming the unit to dial Telephone Number

There is a speed speed dial numbers in the door phone unit, this number can be programmed to dial a telephone number

Cell 50 is used to speed dial the 0 key or bell (🔔) key.

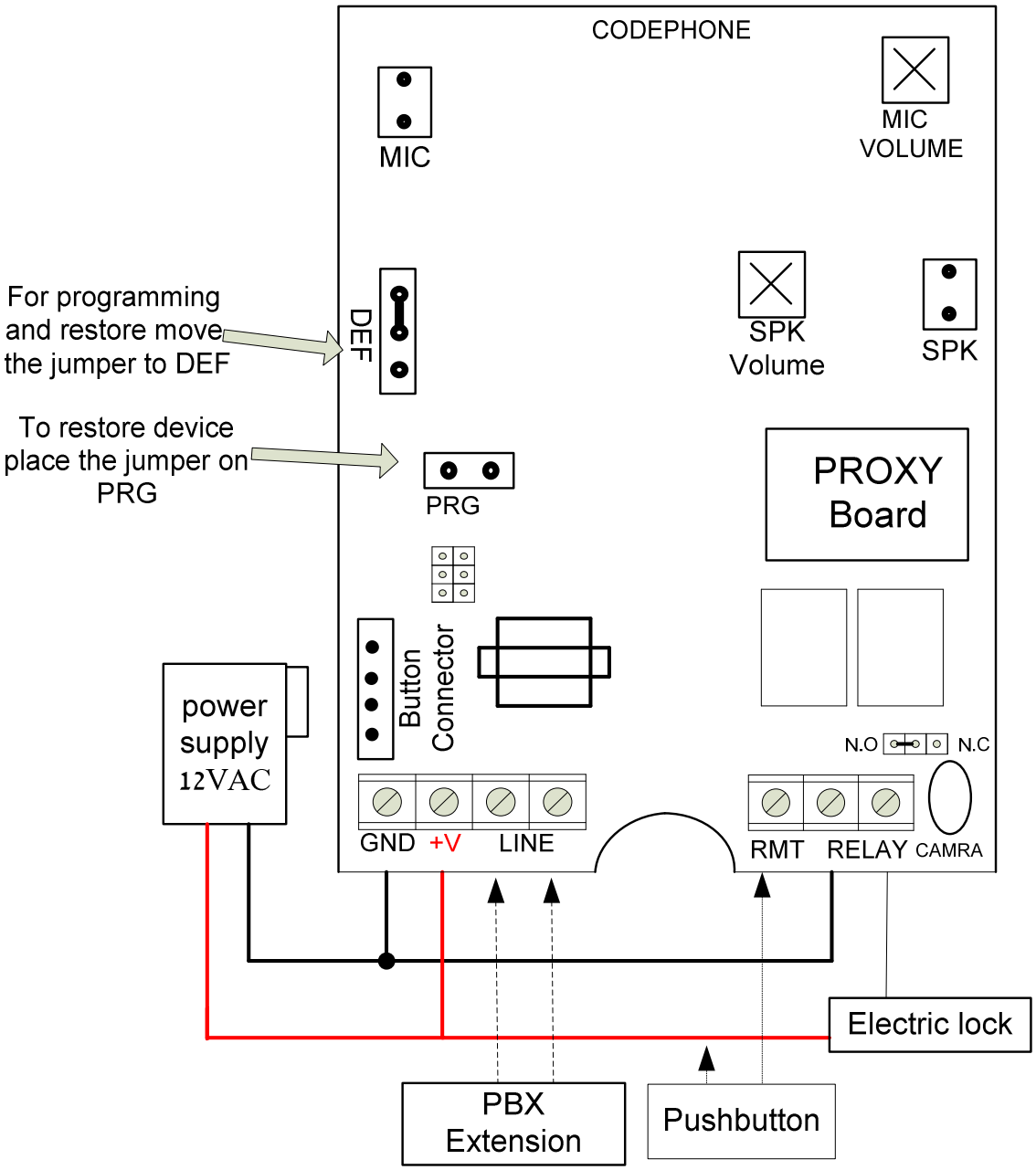
Example set the bell (🔔) key to fast dial office telephone number:

Enter remote programming mode, enter the cell number 50, followed by the extension number 039226351 to set for speed dial, and then press (#)Hash key to approve.

Programming code	Programming	Cell number	Fast dial	Approval	Exit Programming mode
Call Doorphone	## 🔊	50	039226351	# 🔊	##(Hash)

In the example the unit will dial the telephone number: 039226351

F. Drawing


CODEPHONE
MIC
MIC VOLUME
For programming and restore move the jumper to DEF
DEF
SPK Volume
SPK
To restore device place the jumper on PRG
PRG
PROXY Board
Button Connector
power supply 12VAC
N.O
N.C
GND
+V
LINE
RMT
RELAY
CAMRA
Electric lock
PBX Extension
Pushbutton

Thank you for choosing our products