**Multiphone intercom**

The Model MT-88 Commercial Telephone Entry System is designed for use as a primary access control device for apartments, condominiums, and offices with up to 200 residents.

The system can be used in a lobby or outside. Surface, recessed, and pedestal mounting options are supported. The system utilizes hands-free, full duplex telephone communications between visitors and residents for granting access.

Housed in a locked, rugged stainless steel faced enclosure, features a special designed lighted 12-key telephone style keypad and four operation buttons all with bright, easy-to-see graphics.

The backlit four-line directory LCD display scrolls a programmable welcome message and shows the directory Names and Directory Codes.

* Program type:   
  - Locally (keypad)  
  - Pc (Software send all information)  
  - Telephone
* Camera : 16:9, 100 degree with IR Board
* 199 visitor, future model with 399 visitors
* 199 code + 200 Proxy cards
* 12V ac / 12V dc

#### Features

* Big 4 line screen
* Many installation choices: surface, recessed, gooseneck
* Stainless steel front panel
* Lighted Keypad
* Accepts a total of 200 directory listings or stand-alone entry codes
* Four-line-16-character LCD display
* Removable terminal blocks
* 2 Relay
* Sound Voice instruction
* Works on the telephone line network
* No need for wiring
* Stand Alone System
* Proximity Card
* Program by :   
  Computer software / USB / keypad



Please read the instructions before using

1. Unit Operation.
2. Features.
3. Benefits.
4. Specifications

|  |  |
| --- | --- |
| Power Requirement | 12Vdc , Possible use 12Vac  **( preferred use 12Vdc to maximum performance)** |
| Signaling | DTMF |
| Connection Port | Telephone line |
| Release contacts | Relay NO / NC |
| Panel Construction | Stainless Steel Faceplate |
| Back box | aluminum box |
| Surface Mount | 215(H) x 115(W) x 35(D) (mm) |
| Flush mount | 215(H) x 115(W) x 35(D) (mm) |
| Warranty | 12 months return to base |

1. Installation Drawing.



1. Programming – there are 2 programming modes to Tador system.
2. Technician Programming.
3. End user Programming.
4. Technician Programming.
5. Enter Technician Programming

To enter Technician Programming mode do following steps

\*

1. Enter the Technician code ⇒ 123456 (by default) from left to right (Do not forget to enter the asterisk (\*) after the password!).
2. Technician Programming procedure.
3. As long as Technician Programming mode is active, you can setup the unit parameters.
4. You can browse through the menus using the arrow ( , ).
5. To enter menu press the Bell (Bell) sign.
6. To return Prog. Menu press the pound (#) sign
7. To exit Technician Programming mode.
8. When standing on the Prog. Menu mode Press on the pound (#) sign.



1. "Set Tenants" (Main Menu)   
   on this menu you can set new tenants name,   
   it is possible to set up to 200 residents.
2. To set new name use the keyboard buttons.

. - ,

1

A,B,C

a,b,c,2

D,E,F

d,e,f,3

M,N,O

m,n,o,6

J,K,L

j,k,l,5

G,H,I

g,h,i,4

W,X,Y,Z

w,x,y,9

T,U,V

t,u,v,8

P,Q,R,S

p,q,r,s,7

**#**

Forward⏵

0

, (, )

⏴Back

**\***

1. Select the apartment number you want to set

(Use the arrows , ).

1. Click on a certain number several times to

reach the wanted sign.  
Example: 333 = F, while 333333 = f

1. At the end of the signal has to pass the cursor

forward or backward.

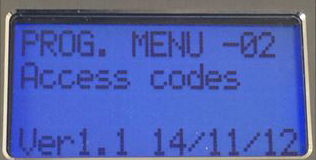
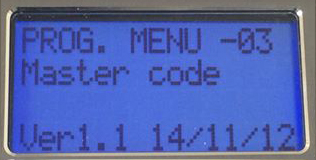
* Pound (#) – Forward
* Asterisk (\*) – Backward

For example, to set the name John Smith

* ⇒ 5#666666#44444#66666#0#7777#6666#444444#8888#44444#

Second example: Oren Twena

* ⇒666#7777777#33333#666666#0#8#99999#33333#66666#2222#

1. To return to Prog. Menu press the asterisk (\*) sign
2. "Access Code" (Main Menu)   
   On this menu you can set the entrance access   
   code, it is possible to set up to199 access code.
3. To set a new code Enter between cells 01-199.
4. To delete a code, select the code and press asterisk (\*) sign.
5. "Master Code"(Main Menu)  
   Master Code is made for the technician  
   and allow full control over the unit   
   ( full setting programming )  
   with the Technician code you will be able to   
   enter Technician programming mode, enter the   
   Technician password in the next format - password - do not forget to enter asterisk (\*) after the password.   
   The Technician code 123456 by default and can be changed.

\*

\*



1. "User Code" (Main Menu)   
   made for the end user (tenant) it let the tenant   
   to set names of tenets and access codes.   
   Enter the end user code in the next format – password .

\*

do not forget to enter asterisk (\*) after the password. The end user code 252525, by default and can be change.

1. "Timings"(Main Menu)   
   On this menu the different time modes can   
   be set for the unit
2. "Delay Time"(Sub Menu)   
   The time that passes since you type   
   authorized code until the lock opens.   
   Daly time is 00 (0 seconds) by default and can be changed.

Delay Time

00

1. "Door Opening"(Sub Menu)   
   let you set the time that the lock will   
   remains open.   
   Lock time is 05 (5 seconds) by default and can be changed.

Door Opening

05

* The unit have two relay that can be program below menu will let you set timing for the 2nd relay:

1. "Relay2 dly time"(Sub Menu)   
   The time that passes since you type   
   authorized code until the lock opens.   
   Daly time is 00 (0 seconds) by default and can be changed.

Relay2 delay time.

00

1. "Relay2 opn time"(Sub Menu)   
   let you set the time that the lock will   
   remains open.   
   Lock time is 05 (5 seconds) by default and can be changed   
   Note: If install 2 locks, Set setting in menu number 10 relays control.

Relay2 Open time

05

* Relay 1 - set access code for first lock. 0-144. (0-70).
* Relay 2 - set access code for second lock. 0-144. (70-140)
* Relay 1+2 - set same access code to both locks. 0-144. (0-140).

1. "Illumination"(Sub Menu)   
   set the amount of time that the display will be   
   illuminated since the last touch typing.   
   Illumination time is 99 by default and can be change.

Illumination

99

1. "Ringing Time"(Sub Menu)   
   Set the LCD illumination time while call is   
   made to a certain apartment, Max time 15 sec.  
   \* The panel has two modes for ringing which

Ringing Time.

05  
& Ring Name Dsp

1. "Speech/Cam Time"(Sub Menu)   
   speech and camera time available until an   
   automatic disconnection of the call will be   
   made by the unit.   
   Speech & CAM time is 05 Sec by default and can be changed   
   (max 15sec).

Speech/Cam Time.

30

1. Pin + Proxy Time"(Sub Menu)

Pin+ Proxy time

30

1. "Door forget>Mes"(Sub Menu)   
   Set the time that in case the door remain   
   open panel will talk a voice message remind   
   you to close the door  
   message open door time is 40 by default and can be change.

Open Door

Message 40

1. "Det>welcome Mes"(Sub Menu)   
   you can connect a detection sensor to the unit.   
   When a person approaches the panel the   
   detection sensor will be activated and it will run a voice message.

Detection Sensor

40

Detection Sensor time control the amount of time that the unit will respond to the sensor detection   
detection sensor time is 40 by default and can be changed.   
  
Defined time is X will be divided by 4 [ ], A value of 0 will be replaced by 1.

T.to name annou  
08  
1/4 sec base

X

4

1. "T.to name annou"(Sub Menu)   
   the unit allows to record name of tenant and   
   once browsing between the names recorded   
   voice name massage will be played by the unit.   
   This function states amount of time since you have finished browsing between names that the unit will play the tennat names  
   Tenant Voice Message time is 08 by default and can be change. Defined time is X will be divided by 4 [ ], A value of 0 will be replaced by 1. (Set on menu 15 vocie message)

X

4

1. "T.to floor mes"(Sub Menu)   
   after tenant will open the door a voice message  
   will be played saying which floor the tenant   
   stay.  
   This function states how much time after the tennant has open the door for the message to be played

T.to floor mes  
12  
1/4 sec base

Tenant Voice Message time is 08 by default and can be change. Defined time is X will be divided by 4 [ ], A value of 0 will be replaced by 1. (Set on menu 15 vocie message)

X

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T.to floor mes  
12  
1/4 sec base

1. "T.to Disp. List "(Sub Menu)   
   Set the time that list of tenants will be shown and   
   remain active after the time will pass unit will   
   return to main screen :  
   "Use arrows to search name. Enter app number then press bell" Message time is 40 by default and can be change.  
   Defined time is X will be divided by 4 [ ], A value of 0 will be replaced by 1. (Set on menu 15 vocie message)

X

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1. "T.todisp selected"(Sub Menu) –   
   The Time that the selected will appear.   
   0Display selected time is 06 by

Display List Time

06

default and can be change. Defined time is X

X

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will be divided by 4 [ ], A value of 0 will be replaced by 1. (Set on menu 15 vocie message)

1. "T.2cler select"(Sub Menu)   
   The Time that the selected

Display List Time

06

will appear. Display selected time is 06 by

default and can be change. Defined time is X

X

4

will be divided by 4 [ ], A value of 0 will be replaced by 1. (Set on menu 15 vocie message)

1. "Talk Time X 105"  
   Set the talk time channel to remain active,   
   when the channel Inactive the call ends.   
   Talk time is 03 by default and can be changed.   
   Time is multiply by 10. [X\*10]

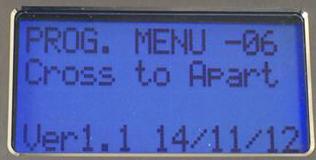
talk time X 10

03  
Min Value 1

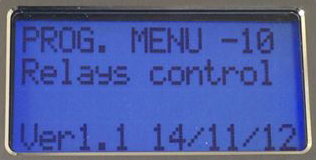
1. "Busy & Dial time"   
   If the desired number is busy the unit will   
   make a call back.   
   Talk time is 00 by default and can be change.

Talk Time X 10

00

1. "Confirm Tone TM"
2. "Cross to Apart"   
   On this menu you can set that ringer 1 instead   
   of dialing to apartment 1, will dial to   
   apartment X.   
   For example ringer 1 dials to apartment 10  
   CrossTo App#10 : 1
3. Prxy Lern Model 1 / 2  
   On this menu you can set the Proximity cards,   
   you can set up to 205 cards in any menus 07   
   and 08. To set proximity card Follow the next setps
4. Chose one of the tabs.
5. Press the asterisk sign.
6. Attach the proximity card to the proximity display.
7. Successful action sound will be heard.
8. Set Floor Value – On this menu you can set the

amount of apartments in the same floor.   
(You can determine the amount of different   
apartments on each floor).

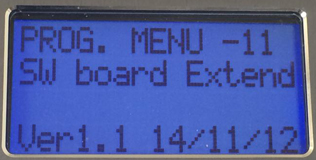
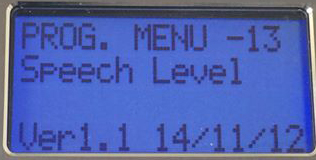
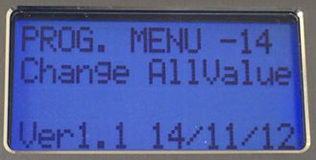
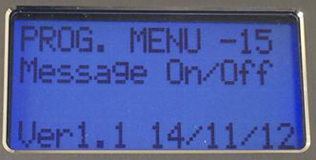
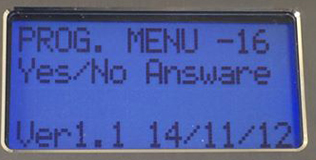
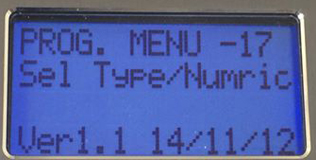
1. Relays Controls – On this menu you can set the

Relays 1&2 to open the locks.

Relay 1 - will open tabs up to 199. (Default 199)

Relay 2 - will open tabs from 01. (Default 01)

Relay 1+2 – To open both of the locks at the same   
time. There is to set the tabs to be overlapping

1.  SW Board Extend –   
   It is possible to add calling cards to the unit, each   
   calling card have 8 buttons that can be programmed   
   to call different apartment number.  
   Buttons in the calling card will be matched according   
   to the order that programmed in the unit in menu 21 - 26  
   example:   
   button number 1 will call telephone number 1.
2. 'FAST' sw.Step  
   this menu allow to program the fast forward button   
   How many names it will skip when pressed
3. Speech Level  
   allow you to set the speech level volume
4. Change AllValue  
   In this menu you can delete information from the  
   unit, 3 modes are possible to choose:  
     
   A. Erease all code  
   B. Erase all Prxy1 :  
   C. Erase all Prxy2 :  
   D. DEF !Names stay :   
   restore the unit to default but will keep the programmed names
5. Message On/Off:  
   unit can be programmed to talk with the user.  
   in this menu you will be able to set what messages  
   the unit will speech to the user or not.  
     
   A. Entry message:   
   unit will tell hello message when visitor enter the building.  
   B. Stage message:  
   unit will state floor number of each apartment   
   C. Close door Mes:  
   D. Names Announce :   
   E. Door forget Mes:   
   F. Welcome by Det:  
   G. Ringing Mes.:   
   H. Open door Mes:
6. Yes/No Answare :  
   Allow you to set additional setting for the unit :
7. replacapp>Office : allow you to choose what will   
   be written on the first menu it is possible to   
   choose between office mode and app mode   
   if type 0 = will show: App number   
   if type 1-9 = will show: Office no  
     
   Det Active B.L?  
   If you want that the unit monitor will be lighted from sensor, once sensor will see the visitor the unit monitor will lighted up
8. Proxy 1 -> Rly 1 : Proxy number 1 will open relay number 1
9. Proxy 1 -> Rly 2 : Proxy number 1 will open relay number 2
10. Proxy 2 -> Rly 1 : Proxy number 2 will open relay number 1
11. Proxy 2 -> Rly 1 : Proxy number 2 will open relay number 2
12. Proxy + PinCode : Set security that if want to enter the building will require Pin Code + Proxy Card  
    AppName by A-B : Set unit to order and show names by ABC or By number:  
    N = numbers.  
    1-9 = ABC  
    \* after choosing an option you will have to enter tenants menu -01- and exit the menu so unit will organize the names
13. Extrrnal Proxy :  
    if client want to install his own proximity sensor
14. Elevetor Board :  
    Elevator board is used in case that you want the unit to invite the elevator once client enter the building.
15. Realt.C. useed : unit have the possibility to show time if type:  
    1-9 : Yes (show time)  
    0 : No (Don’t show time)
16. Show tel data :
17. Beep in unlock :
18. Sel Type/Numric + New App numric :

Allow you to change modify the number   
of the apartments / offices in the unit, there   
are three possibilities:   
A. Regular numbering, type: 0000/1

B. Start from specific number, means apartment number 1 will be named as 101, apartment number 2 will be named as 102. Etc..  
If want to do that type : 0(Add Value) and number that apartment will start from 100  
Example : 0100, unit apartment numbers will start from 100

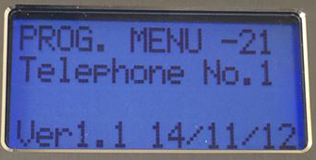
C. Custom mode :  
custom mode will let you change specific apartment number to different number that you choose while all other will stay the same example :   
Apartment number 7 will be 777   
Type : 2 , exit menu and go to :  
New App numric menu   
here you will choose which apartment name   
to change:  
app. Number# 07  
Type : 777  
will modify apartment number 07 to 777

1. Service Menu

This menu will store details about fixes and   
repairs that have been made to the unit by  
Tador.

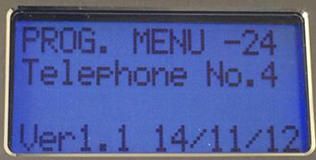
1. Comm Speed

The MT-88 is able to work with Tador   
Analogue IP monitors.   
This menu allows you to decide what   
communication between the monitors and   
the unit.  
Some area have bad wires, long distance etc if that the case you will want to check the speed between the monitor and unit and see which one works better in correlation with the unit.   
0 – Slow Speed: If bad wires, long distance between unit and monitor  
1 – Normal Speed: regular  
2 – Fast Speed: If Good wires are used and not long distance.

1.  Telephone No.1 – Telephone No.3 :

The unit has 3 telephone numbers in memory  
this way when call is made from the unit, it   
will first try number 1 telephone, if there is   
a busy tone it will try telephone number 2,   
if there is busy tone on telephone number 2 it will try telephone number 3.  
For each apartment / office can be 3 regular telephone numbers

24. Telephone No.4 – Telephone No.6 :

The unit has watch and timer inside.  
This timer allow the unit to call certain   
telephone number on specific day and time   
for each apartment / office can be 3 special   
telephone numbers

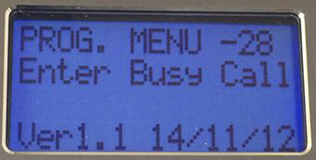
For example, during Sunday to Monday from 10:00 AM -> 15:00 unit will call on the first programmed telephone number (Telephone No.4) if there is busy tone it will try Telephone No.5 if there is busy tone again unit will call Telephone No.6.

For setting Watch time go to menu 31.  
For setting Timer time go to menu 32.

1. #of ring/answer

In this menu you can choose how many times   
the unit will ring

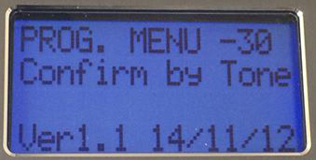
1. Enter Busy Call

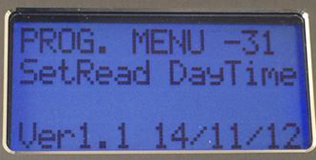
Usually busy tone is identified by the unit, but   
in some cases there is different busy tone, this   
menu allow you to set the unit to detect   
different type of busy tone.  
  
Busy tone Type1  
Busy tone Type2  
Busy tone Val.  
Busy tone Freq  
Call low Freq  
Call high Freq  
Break on call  
Call to pass  
No of bussy til :

1. Remote Tel Tone

This menu state which number will be used   
to open the door from the telephone

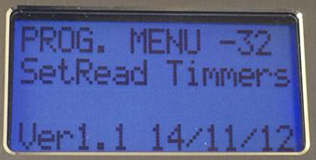
1. Confirm by Tone

If apartment have answering machine and   
client don’t want the Door entry to leave to be  
able to leave a massage on the answer   
machine.

1. SetRead DayTime

In this menu you will set watch time, watch   
will be shown at the LCD screen and will be   
used for the timer to call specific telephone   
numbers during time and date that you choose.

|  |  |  |  |
| --- | --- | --- | --- |
| D | HH | MM | Result |
| 2 | 13 | 32 | 13:32 Monday |
| 3 | 13 | 32 | 13:32 Tuesday |

1. SetRead Timmers  
   Timer1(DIAL) Da  
   TimerNO.1 Start  
   TimerNO.1 Stop  
   Timer2(DIAL) Da  
   TimerNO.2 Start  
   TimerNO.2 Stop  
   Timer3(RLY1) Da  
   TimerNO.3 Start  
   TimerNO.3 Stop  
   Timer4(RLY2) Da  
   TimerNO.4 Start  
   TimerNO.4 Stop
2. LCD Family No.





תודה על רכישתם ממוצרנו, חברת תדאור

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פקס - 03-9210461 [www.tador.co.il](http://www.tador.co.il)

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