

General:

The Doorphone unit is an intelligent telephone connected to a pabx exchange, mounted on an office entrance and enable's visitors to call a predefined extension.

The person receiving a call from the door panel can speak with the visitor and open the door from his telephone extension by pressing a particular key.

Opening the door from the inside is possible by pressing a bypass pushbutton.



Features:

Easy installation, programming and operating.	Power failure resistance, keeps the programmable values in nonvolatile memory.
Controls a safety camera.	Can be programmed from any extension.
Programmable extension key to open door	Ability to control 2 entrance doors instead of the camera.
Every extension can open the door by pressing a key.	optional bypass exit pushbutton
Anti vandal resistance.	

Specifications:

Operating voltage: AC 12V 1000mA

Operating electric or magnetic lock. (normally open or normally close)

Color: silver or bronze

Opening time: 1-99 seconds

Size: under plaster 195X115X50mm (H*W*D)

On the wall 154X100X35mm (H*W*D)

Installation:

According to the door lock type, 3 pins connector JM1 should be set

Desirable DOOR state when entering valid code	Jumper JM1
Close circuit (Normally open) for electric lock	Jumper on 2 left pins (default state)
Open circuit (Normally close) for magnetic lock	One Jumper on 2 right pins

After installing the lock in the door frame, route the following wires to the Doorphone:

1. 2 wires from power supply.
2. 2 wires from the lock.
3. 2 wires from a telephone exchange free extension.
4. 2 wires from optional bypass pushbutton.

Using Phillips screw driver open 4 top cover screws, carefully pull up the panel.

Using a screw driver, expose the 4 covered insulations bores and the round wirings bore.

Attach the base of the Doorphone to the wall, using a pencil mark the 4 fixing points.

Drill the 4 fixing points on the wall.

Route the wires through the round bore in the base of the Doorphone.

Using 4 screws install the base to the wall.

Verify the power supply is not connected to power source!

Connect the wires to circuit board terminals according to the circuit's labels, the attached electrical diagram and the following instructions.

Connect: Power supply to the two **12VAC** terminals.

To connect an electric lock: One wire from the lock to the **RELAY** terminal. The second wire from the lock to one of **12VAC** terminals. Short wire from the second **12VAC** terminal to the second **RELAY** terminal. (the **RELAY** functions as a switch)

If you intend to install a bypass pushbutton, connect it between **RMT** terminal and the **+V** terminal.

2 wires from telephone exchange free extension to **LINE**.

- ❖ the polarity of the wires is non significant.

Reassemble the panel over the base.

Attach the top cover to the base using the 4 screws.

Connect the power supply to the power inlet, Initiation tune will be sound.

Technician Programming:

Programming is possible via any extension only.

❖ Entering to programming mode:

- Call the Doorphone's extension from any extension.
- Type twice the number sign (##) wait for the confirmation beep.
The following values could be modified:
- **Speed dial when pressing the button**
Implementation: type the cell number: **50**
Type the telephone or **extension number**, up to 15 digits.
You can force breaks in the sequence of dialing by inserting * between digits.
Type # to confirm. A confirmation beep sound will be heard.
- **Delay time:** delay time from the moment a press on the bypass pushbutton was detected, till the moment the electric lock starts activating. (suitable for situations where there is a distance between the Doorphone and the door)
Implementation: type the cell number: **01**
Type the new delay value's **2 digits**. (default 0 seconds)
Type # to confirm. A confirmation beep sound will be heard.
- **Opening time:** the amount of time the lock stays unlatched.
Implementation: type the cell number: **02**
Type the new opening time value's **2 digits**. (default 3 seconds)
Type # to confirm. A confirmation beep sound will be heard.
- **Conversation time:** the amount of time you can speak with the Doorphone till it hangs up.
If the value is smaller than 90 or equal, it represents seconds.
If the value is larger than 90, the second digit represents time in minutes.
The value is stored in cell #11, default value 60 seconds.
Implementation: type the cell number: **11** followed by the new value's 2 digits.
Type # to confirm. A confirmation beep sound will be heard.
- **Number of calling rings:** the number of rings till the Doorphone answers when calling it.
Implementation: type the cell number: **12**
Type the new calling rings value's **2 digits**. (default 1 ring)
Type # to confirm. A confirmation beep sound will be heard.
- **opening keys from an extension:** this is the key enables opening the door from remote.
Because the Doorphone can control 2 doors (the camera must be disabled by setting "camera time" to 0) a different key must be set to each door. (incase a similar value is set to the 2 doors, the opening key will open only the first door)
If only one lock is connected, the opening key should be typed twice.
The value is stored in cell #13, default value 7 to the first door and 5 to the second (CAM terminals).
Implementation: type the cell number: **13**
Type **2 digits** the first stands for the first door and the second digit for the second door.
If only 1 door is used type the same digit twice.
Type # to confirm. A confirmation beep sound will be heard.
- **Camera time:** the amount of time the camera stays on (the camera turns on automatically after pressing the button or calling the Doorphone)
If instead of a camera a second lock is needed – this cell must be reset to 00, in this case both locks will have the same opening time value.
The value is stored in cell #14, default value 30 seconds
Implementation: type the cell number: **14**
Type the new Camera time value's **2 digits**.
Type # to confirm. A confirmation beep sound will be heard.

Exit programming mode - type twice on the number sign ## or wait for 10 seconds.

Initiating the Doorphone

It is possible to reset the Doorphone's memory: clear the speed dial, and restore default values.

Implementation:

- Disconnect the power supply from the Doorphone.
- Install 2 jumpers, the first on **DEF connector** between the central pin and the pin above it. The second between drills **PRG** (the PRG drills are located below connector DEF)
- Connect the power supply to the Doorphone.
- Wait about 3 seconds till the tune stops indicating completion of the process.
- Pull out the jumper from drills PRG.
- Reinstall jumper on connector DEF between the central pin and the pin below it.

Connecting a second door latch instead of a camera

In order to set the following parameters refer to the technician and user programming modes

- Set the cell "Camera time" value to **0**.
- Set a different "opening key from an extension" to the second door.
- Connect the lock's wires between the CAMRA terminals. The opening will behave according to jumper JM1: Normally Open or Normally Close.

The Opening and Delay times set to the first lock applicable the second.

Speaker volume adjustments

The Doorphone unit leaves the manufacturer site adjusted.

Sometimes because of the location (opened or closed space), acoustical problems occur.

If the Doorphone's speaker sound level is too high or low, gently rotate the internal SPK potentiometer.

Operating:

Visitor

- ❖ Press the button, identify yourself with the person you are talking with. If your access is authorized the door lock will buzz, you can pull the door and enter.
- ❖ When leaving press on the bypass pushbutton, the door lock will buzz, and be unlatched you can push the door and exit.

Responding to a door call

When a door call ringing tune is sound in your phone, pick up the phone, interview the visitor up to one minute, after one minute the line disconnected, if authorized press the opening key (default=**7**) if the visitor is not welcomed press **0** to hang up.

- ❖ Hanging up the hand set without pressing the opening or hanging key, will cause the Doorphone's line to stay open till the termination of Conversation time value.

Initiating a call to the Doorphone

Type the Doorphone's extension number.

You can speak with the visitor and open the door.

Doorphone Electrical drawing

