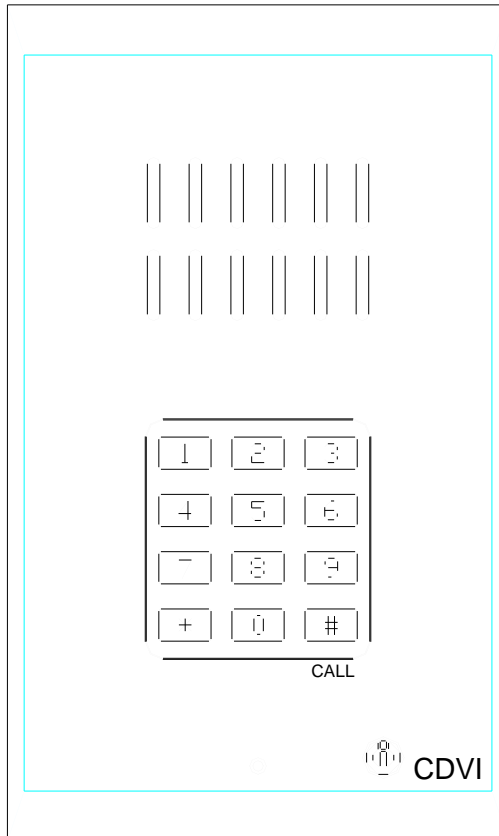




# TEL9000

WIRING DIAGRAM AND INSTRUCTION

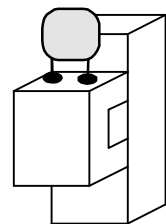
The TEL 9000 was designed to operate with analog telephone lines and with a PABX. The TEL9000 works on tone mode only (DTMF).



- PANEL
- 12-digit keypad
  - 1 speaker
  - 1 microphone

**Distance between the MHPT and the TEL9000 must not exceed 10 meter**

This device comes with a varistor.  
 The varistor must be connected to the strike terminal (electromagnet...) operated by the device.  
 If this product works with many strikes, each of them should have a varistor.  
 The varistor controls the overload produced by the strike coil – back emf.



If you are using a « Shear Lock » electromagnetic lock, it is recommended to use a separate power supply than the one connected to the **TEL9000!**



## **TECHNICAL SPECIFICATIONS**

- Input Voltage 18V DC or 12V AC
- Compatible with all PABX
- Needs only one extension line
- Tone mode use or switch able to a tone mode
- 3 relay output 1 N/O and 1N/C contacts 3A@125VAC
- 1 input extension line
- 1 input/output microphone speaker
- Volume adjustable for the speaker from the potentiometer
- Conversation time: 45second (default value)

## **FEATURES**

- 5-digit master code to enter in programming
- 100 PIN code, 5-digit user code, user number from 00 to 99
- 2 dialing modes:
  - Mode 1 – dialing number from group number
  - Mode 2 – 100 memorized extension numbers
- 2, 3 or 4-digit dialing number
- Dialing number group: 00 to 99, 000 to 999 or 0000 to 9999
- 1 fast dialing number # key (call button) day number and B3 input for a second fast dialing key
- 1 fast dialing number key # (call button) night number and B3 input for a second fast dialing key
- 2 Request-to-Exit inputs
- 1 relay output N/O and N/C (B1 terminal)
- 1 relay output N/O and N/C contact for camera
- 1 relay output N/O and N/C (B2 terminal)

## **FACTORY DEFAULT VALUES**

- Master Code 12345
- Door release time 1 second
- Conversation time / camera 45 second
- Dialing number group: from 100 to 999
- Mode 1 as dialing mode
- Dialing number of 3-digit



## **RESET PROCEDURE**

Put the jumper on ST1, wait 5 seconds then an audible beep is emitted. Remove the jumper from ST1 immediately.

The master code is then reset to the factory default value

To make a general reset of the panel (Pin codes, extension numbers, day and night numbers and time relay) keep the jumper on ST1.

Two audible beeps are emitted. The factory default values are restored back.

## **PROGRAMMING** (done from the TEL9000 keypad)

An audible signal indicates validation of a correct programming.

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

To exit from programming press on the # key followed by 2 audible beeps.

Three audible beeps are emitted in case of a data computing error.

## **SETTING A NEW MASTER CODE (\*0)**

Press \*0 and then Enter the 5-digit master code. The # key is not accepted in the 5-digit master code.

Press on the # key to exit from programming

## **DOOR RELEASE TIME (Code \*1)**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

Press \* 1 and then enter the time 2-digit number in second:

- For momentary output: enter the time from 01 to 99 second
- Latched output xx = 00

A = 1 Door 1 release time

A = 2 Door 1 release time

Press on the # key to exit from programming



### **CONVERSATION TIME (Code \*2) + xxx**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

Press \* 2 and then enter the time 3-digit number in second:

- From 001 to 200 second.
- The camera relay is synchronized with the relay of the conversation time

Press on the # key to exit from programming

### **ONE-KEY DIALING NUMBER DAY/NIGHT (Code \*3) + B + 2, 3 or 4-digit**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

- Press \*3 and then press B enter the extension number
- B = 1 for the day telephone number
- B = 2 for the night telephone number

Press on the # key to exit from programming

### **DOOR RELEASE TELEPHONE KEY (Code \*4)**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

Press \*4 and then enter the number (0 to 9) for the door release digit key.

Note that only one digit key is programmed for both door relay outputs.

When the communication is established with the visitor to release the lock press on the door release digit key:

**If the call was made from the TEL 9000 panel, relay 1 will be activated. If the call is made from the remote panel (installed at the gate) relay 3 that will be activated.**

Press on the # key to exit from programming

### **SETTING EXTENSION NUMBER GROUP (MODE 1)**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

- Press \*5 + 2, 3 or 4-digit number of the first extension number
- Press \*6 + 2, 3 or 4-digit number of the last extension number



Press on the # key to exit from programming

### **SETTING A DIALING MODE (Code \*7) + x**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

x = 1, number dialed from an extension number group  
x = 2, pre set extension numbers

Press on the # key to exit from programming

### **SETTING EXTENSION NUMBER LENGTH (Code \*8)**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

Press \*8 then enter the extension number length  
x = 2, 3 or 4

Press on the # key to exit from programming

### **PRE-SET EXTENSION NUMBERS (mode 2) (Code \*9)**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.

#### **NEW NUMBER**

Press \*9, then enter the 2-digit t number (from 00 to 99) and the 2, 3 or 4-digit extension number (setting done with \*8). This mode allows to program only extension numbers which could be dialed from the TEL9000 panel.

One beep is emitted to confirm that the extension number was memorized.

Press \*9 to program another pre-set extension number.

3 beeps are emitted if an extension number is already set

**IMPORTANT:** Press \*9 after each preset number to add a pre-set extension number

#### **DELETE A NUMBER**

Enter the 2-digit pre-set memory number then press on \* twice to delete a memorised extension number. To delete another pre-set extension number press \*9

Press on the # key to exit from programming

### **SETTING PIN CODE (Code \*#)**

Enter the 5-digit master code (default 12345) twice. Two audible beeps are emitted.



Press \*# then the user number (from 00 to 99) and enter a 5-digit code  
# cannot be used in a Pin code.

Press \*# to enter another Pin code

3 beep are emitted if a Pin code has been already set

To delete a Pin code, select the user number and press \* twice.

**IMPORTANT:** Press \*# after each Pin Code to add a Pin Code.

Press on the # key to exit from programming

## **FRONT PANEL USE**

### **KEYPAD:**

A valid Pin code activates relay 1

The request-to-exit push button activates relay 1

### **TO CALL AN EXTENSION:**

2 calling modes:

- **Mode 1 – dialing from a pre-defined extension number group**
- **Press \*5 and \*6 to program a group of extension numbers**
- **Press \*7 to select the mode**

To place a call dial the 2, 3 or 4-digit extension number then press # (call). The call is processed if the extension number belongs to the group of extension numbers. An audible signal (beep) is emitted after each digit key depressed.

- **Mode 2 – dialing a preprogrammed extension number.**
- **Press \*7 to select the mode**

To place a call, enter the 2, 3 or 4-digit extension number from the pre-set extension number list then press # (call). The call is processed if the extension number was programmed in the preset numbers. An audible signal (beep) is emitted after each digit key depressed.

To make a direct call day or night number press on the # key (call). A push button connected to the B3 terminal replaces the # key

To hang up press on the \* key.

To extend the conversation time press on the # key.



## **DOOR RELEASE FROM THE TELEPHONE KEYBOARD**

Press \*4 to program the door release digit key

When the conversation has started with the visitor, press on the door release key to release the door lock.

If the call was made from the TEL 9000 panel, relay 1 will be activated. If the call is made from the remote panel (installed at the gate) relay 3 that will be activated.

## **END THE CONVERSATION TIME**

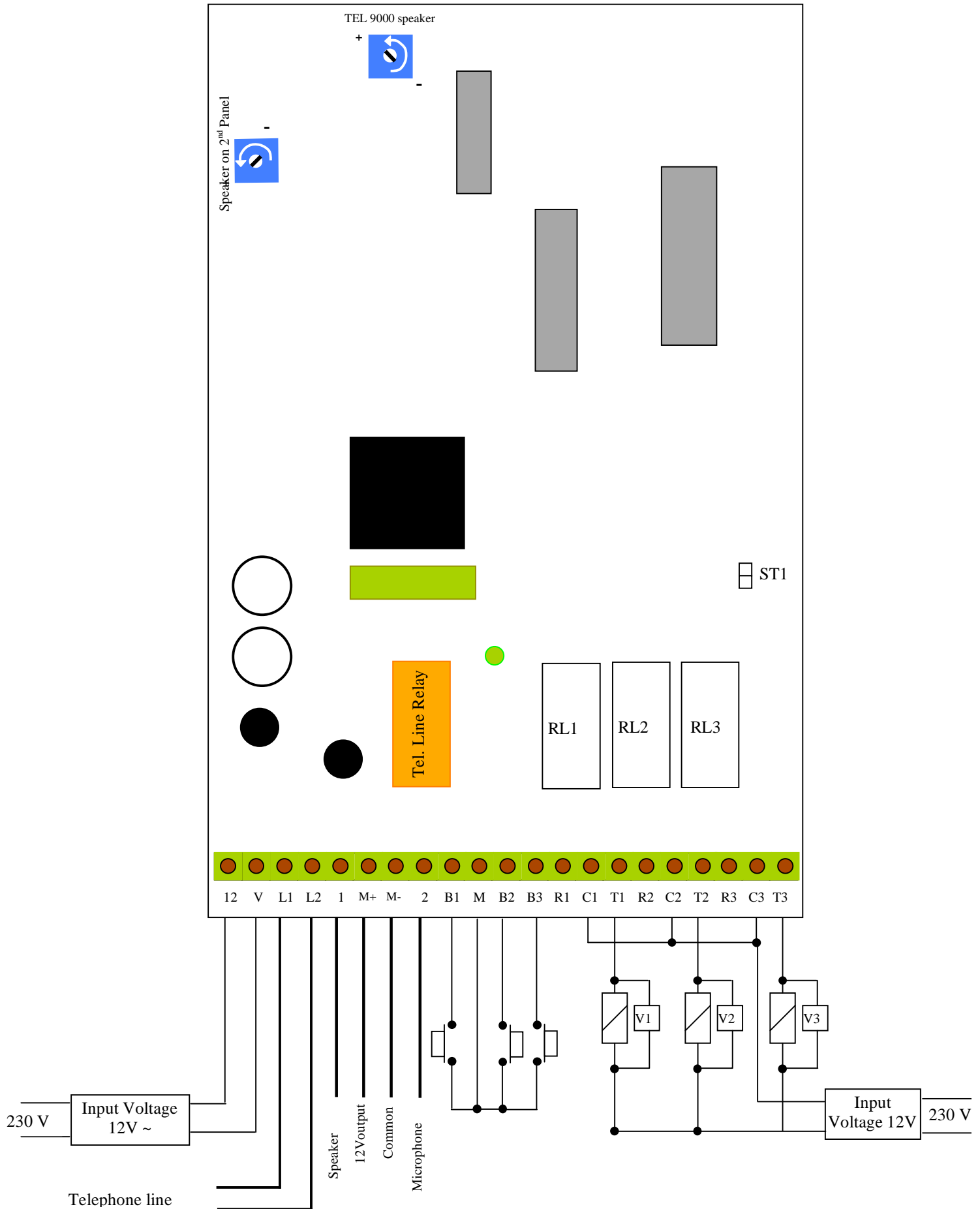
- Wait for the end of the time conversation
- Press \* on the telephone keyboard
- Press on the door release digit key, the time conversation will end after 10 seconds.

## **DAY AND NIGHT MODE EXTENSION NUMBERS**

- The day mode is activated when the unit is powered.
- To switch from the day mode to the night mode and vice versa, call the TEL 9000 unit from any telephone unit.
- Wait 3 ring – an audible beep is emitted, you can now program the mode
  - \*1 for the day mode
  - \*2 for the night mode
- The key-in time is 10 seconds, 3 audible beeps are emitted in case of a data computing error
- One audible beep is emitted to confirm that the mode has been accepted – The call is terminated after 2 seconds.

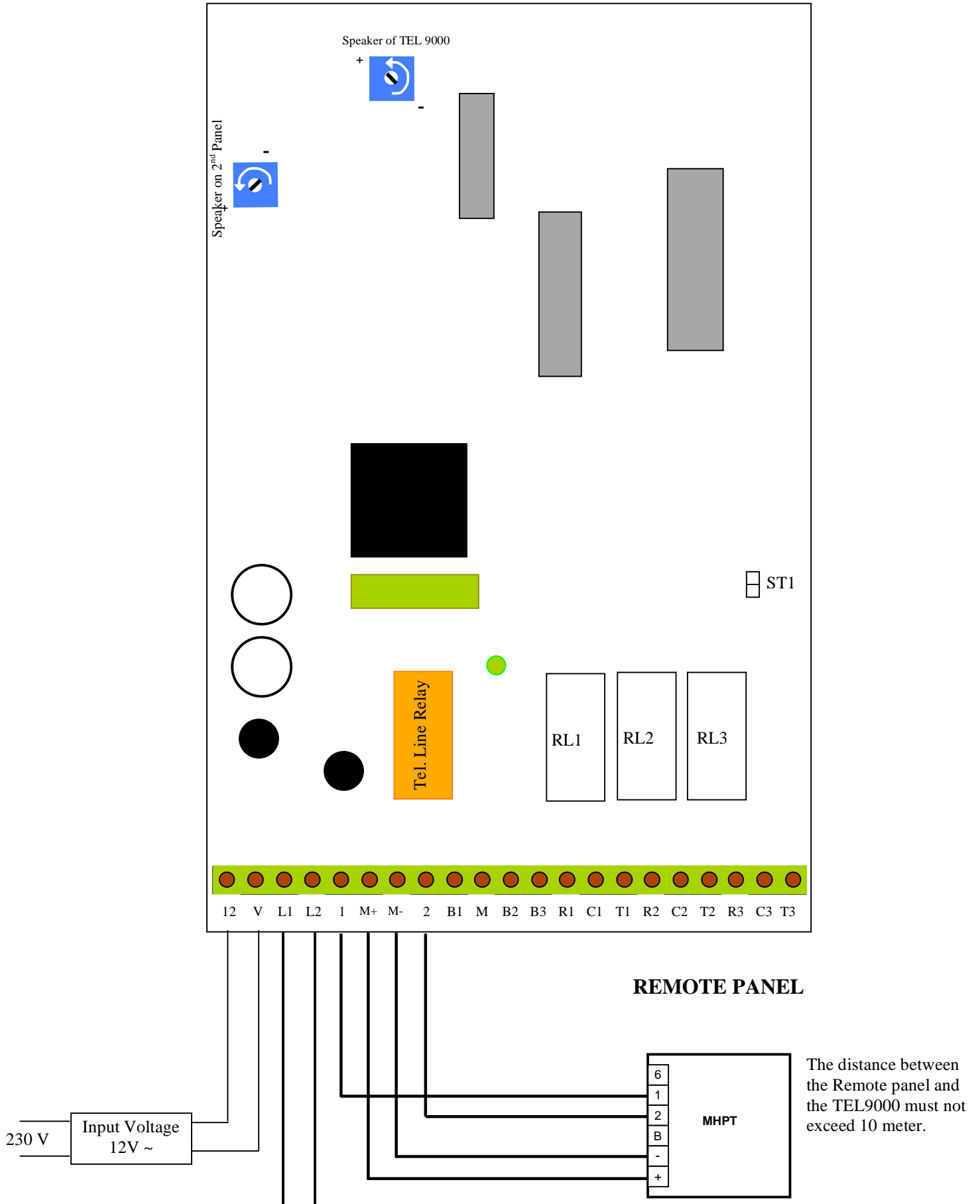


## TEL9000 WIRING DIAGRAM





WIRING DIAGRAM WITH A REMOTE PANEL





### TERMINAL BLOCK ON THE TEL 9000

|          |                                |                     |
|----------|--------------------------------|---------------------|
| 12       | Input Voltage 12V AC or 18V DC |                     |
| V        | Input Voltage 12V AC or 18V DC |                     |
| L1       | Input telephone line           |                     |
| L2       | Input telephone line           |                     |
| 1        | MHPT microphone speaker        |                     |
| M+       | MPHT input voltage 12V         |                     |
| M-       | MHPT input voltage 0V          |                     |
| 2        | MHPT microphone speaker        |                     |
| B1       | Request-To-Exit door 1         |                     |
| M        | Common                         |                     |
| B2       | Request-To-Exit door 2         |                     |
| B3       | Input fast dialing button      |                     |
| R1       | Relay 1 N/C contact            | Door relay output   |
| C1       | Relay 1 common                 |                     |
| T1       | Relay 1 N/O contact            |                     |
| R2       | Relay 2 N/C contact            | Device relay output |
| C2       | Relay 2 common                 |                     |
| T2       | Relay 2 N/O contact            |                     |
| R3       | Relay 3 N/C contact            | Door relay output   |
| C3       | Relay 3 common                 |                     |
| T3       | Relay 3 N/O contact            |                     |
| V1 V2 V3 | Varistors                      |                     |

**Relay 1:** Door relay output. The relay is activated from the request to exit push button B1, from the telephone unit when the call is made from the TEL 9000 or by using a Pin code

**Relay 2:** This relay is activated when the conversation starts between one of the panel entry (TEL9000 or Remote panel) and the telephone unit. A camera can be connected to this relay.

**Relays 3:** Door relay 3. The relay is activated from the request to exit push button B2 or from the telephone unit when the call is made from the remote panel.

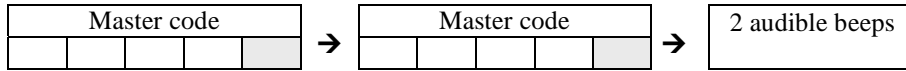
**B3:** **Fast dialing Key as push button.** It is possible to program an extension telephone number for the day shift and a second number for the night. Programming from \*3

To adjust the volume of the speaker, use the potentiometers.



## USER PIN CODE LIST

- To enter in programming mode:



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| Door Release Time |  |  |  |  |
| * 1               |  |  |  |  |

|                    |  |  |  |  |
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| Communication time |  |  |  |  |
| *2                 |  |  |  |  |

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|-------------------|--|--|--|--|
| Door Release Time |  |  |  |  |
| * 1               |  |  |  |  |

|                    |         |       |
|--------------------|---------|-------|
| Operator:          |         | Date: |
| Building:          |         |       |
| N°:                | Street: |       |
| City:              |         |       |
| Other information: |         |       |



## EXTENSION TELEPHONE NUMBER LIST

2, 3 or 4-digit number

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