

Installation and user manual



UNITEL

DI-623-21L

How to use the door intercom.

When a visitor comes to the entrance, he dials # and your telephone number (or presses the button with your name, if a ADI-623-08 is connected).

Answer you telephone. During the call you will hear a beep every 5:th second to indicate that the call comes from the entrance. You now have ____sec. to talk to the visitor. If you want to open the door for the visitor press the five-button and hang up. 15 sec. before you are disconnected, you get a warning signal. If you want to extend the connection with ____sec. Press the 2 button.

At the entrance you can always break the call by using the * button.

The possibility to open the door with the 5-button is enabled during the following times:

If you don't want to let the visitor into the building, press zero and hang up.

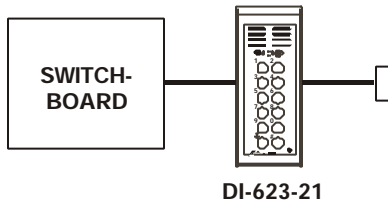
Fill in and copy this form and distribute it to whom it may concern.

AXCALL DI-623-21L

1. INTRODUCTION

Axcall DI-623-21L is a door intercom to be connected to a company's internal switchboard. This makes it possible to get in contact with all telephones from the entrance. A person can talk to the visitor at the entrance and also open the door. The door intercom also has a codelock function, which can be used by none-visitors. The possibility to use call numbers and codes can be time controlled by an external timer.

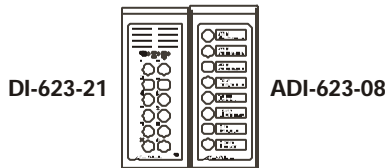
To use DI-623-21L the switchboard has to have an **analogue two-wire connection**. To be able to use the opening function the switchboard also must use **Dual Tone Multi-Frequency** signalling (DTMF) to the door intercom.



The green LED on the front panel indicates “door open” and the yellow indicates “key pressed”. The red LED lights constant when you are connected to the switchboard and flashes when the line is occupied by another telephone connected to the same line. When red LED is flashing also see Point 10 side. 8.

To open the door you enter a valid code.

To call on a person you dial # and the telephone number. To prevent improper use, the length of the number is limited to a programmable number of digits.



You can also have a “direct number button” by connecting one or more ADI-623-08 (max 64 buttons). In this case you have to program the telephone number in the memory. Button 1 activates the number in memory address 101, button 2 address 102 etc. The number that can be dialled with a “direct button” has a fixed limit of 14 digits.

A separate button connected to terminal PL1:6 could even activate memory address 101 to get you in touch with the reception.

Note! If the red LED starts flashing when you make a call, you have forgotten to connect the telephone line or the line is occupied.

It's also possible to make a call to the entrance. Dial the number and the intercom answers automatically and you can talk to the visitor. This function is disabled by putting the jumper in OFF-position (see page 10). As delivered the jumper is normally in OFF-position.

Note: If more intercoms are connected to the same telephone line, the jumper **must** be in OFF-position.

2. INITIALISATION AND PASSWORD

After installation the unit has to be initialised with a special code. This code pre-sets printer parameters, clears the memory *including the password* sets the opening time to 7 sec. and sets the time of call to 60 sec. The code is 199200.

INITIALISATION AND MEMORY RESET

- Open the door unit.
- Press and release **RST**-button on the circuit board and wait for four short beep.
- Enter **199200**.
- Press #. 6 short signals are heard. Note: *The memory is cleared!*

To be able to program the unit and to get information out from it you do need a password. This password is a six-digit code.

SET PASSWORD

- Press and release **RST**-button on the circuit board and wait for four short beep.
- Enter a **6-digit code**.
- Press # and you hear two short and one long. Your password is set.
- Press * and close the door unit.

The following codes are not permitted: 00 00 00, 19 92 00 - 19 92 99 You can neither use a password which contains a telephone number you are going to use.

3. PROGRAMMING OF TELEPHONE NUMBERS* AND CODES

*** Only if direct buttons (ADI-623-08) or PL1:6 are to be used**

DI-623-21L has the possibility to store 99 codes and/or telephone numbers. These are stored at fixed addresses, 101 to 199, and could be 1 to 14 digits. You should make a log of what is stored at which address. Each code could be combined with one of two functions:

- < 1 > - Controls **Relay 1 monostable**.
- < 2 > - Stores as **telephone number**.

You can also program the code/ direct buttons so they are possible to disable by an external timer. The disable functions are:

- < 0 > - **No time control**
- < 1 > - **Code disabled if PL2:15 PL2:16 is open.**
- < 2 > - **Code disabled if PL2:15 PL2:16 is closed.**

Programming is done in the following way:

- Enter your **password**. You will hear a beep every second.
- Press # and the **address for the fist code/number** which is **101**, and you hear a double beep.
- Enter a **code/number** with optional number of digits (max. 14).
- Press #, and you hear a double beep.
- Enter a **function** (1-2), and you hear a double beep.
- Enter a **disable function** (0-2), and you hear two short and one long. The code is now stored in the memory and the unit returns to programming mode.
- Press *. The unit returns to working mode.

Example 1: Program a 3-digit telephone number (209), which should not be time-controlled (0).

- Enter your **password**.
- Press # **101 209# 2 0**
- Press *. The unit returns to working mode.

Example 2: Program a code (# 154) with 4 digits (5678) which should be disabled if PL2:15 PL2:16 is closed. (2).

- Enter your **password**.
- Press **# 154 5678# 1 2**
- Press *. The unit returns to working mode.

If you enter more codes you only have to press * when the programming is finished, and not after each code. * also works as "break" during programming.

The programmed codes/numbers and their functions could be checked with **printout # 82**.

Note: If a code/number is included in the six digit password, e.g. if your password is 123456, and an 1234 is a door code, the door will open on 1234 and the code lock will enter programming mode after 6 digits.

4. CANCEL CODES/TELEPHONE NUMBERS

If you want to cancel number or a code e.g. code 1, do the following:

- Enter your **password**.
- Press **# 101 # #**. The code is erased and the code lock returns to programming mode.
- Press *. The unit returns to working mode.

5. PROGRAMMING OF TIME OF RELAY AND CALL

Enter opening in seconds (*default value 7 sec.*).

- Enter your **password**. You will hear a beep every second.
 - Press **# 51** double beep < **01-99**> and you hear two short and one long.
 - Press *. The unit returns to working mode.
- Ex: # 51 07 = 7 seconds**

Enter opening in minutes.

- Press **# 52** instead of **# 51**.

Enter time of call in seconds (*default value 60 sec.*).

- Enter your **password**. You will hear a beep every second.
- Press # **53** double beep < **01-99**> and you hear two short and one long.
- Press *. The unit returns to working mode.

Ex: # 53 60 = 60 seconds

Enter time of call in minutes.

- Press # **54** instead of # **53**.

6. PROGRAMMING OF SPECIAL FUNCTION

As mentioned in the introduction you may open the door from your telephone. This is done by pressing 5 on the keypad. By programming #39 and the first of two function digits, you can chose if and when this function is activated. (*#39 is set to 04 by default or by reset*).

The first function digit which controls the “open with 5”-function is:

- < **0** > - **Always activated**
- < **1** > - **Disabled** if PL2:15 PL2:16 is **open**.
- < **2** > - **Disabled** if PL2:15 PL2:16 is **closed**.
- < **3** > - **Always disabled**.

To prevent a person to call a number outside the company, you can limit the length of the number that can be dialled from the keypad. Numbers that are programmed in the memory are not influenced. The limit is set by programming a second digit after #39. This digit can be between **0** and **9**.

Example 3: Program so that open door with five always work (0) and that the length of the telephone number is maximum 3 digits (3).

- Enter your **password**.
- Press # **39 0 3**
- Press *. The unit returns to working mode.

After initialisation “open with five” is set to **always** work and the length of number is set to 4 digits. You may reset this default set-up by programming # **39** #. If you program #39x0, it means that you only can use programmed direct buttons.

7. PROGRAMMING OF UNIT-ID

If you have more than one door unit the printer outputs can be connected in parallel to one printer or PC. To be able to know to which unit the printout belongs, you must give all units a unique number. This is done in the following way:

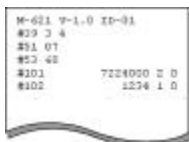
- Enter your **password**.
- Press # **44** and you hear a double beep.
- Enter a 2-digit number (01-99) and you hear two short one long.
- Press *. The unit returns to working mode.

8. PRINTOUT

Printout of codes, telephone numbers and functions is done with # **82**.

- Enter your **password**.
- Press # **82**, system data, codes/numbers, there addresses and functions are printed out.

Example of printout:



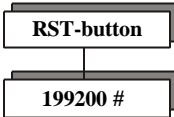
The printout shows that this is a DI-623-21L software version 1.0 with the unit-ID 01. The second line indicates that the “open with five”-function is disabled and that the length of the calling number is 4 digits. Line 3 shows that the opening time is 7 sec. and line 4 that the time of call is 60 sec. Line 5 shows that if you if you close PL1:6 and PL2:16, or if you press button one on a connected ADI-623-08 the number 722 40 00 is called and that this function not could be time controlled. Finally line 6 indicates that 1234 is an access code that could not be time controlled.

9. TECHNICAL DATA

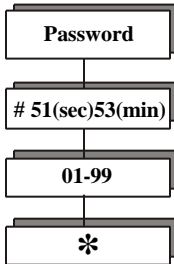
Power supply:	12 - 24VDC 12.- 18VAC
Power consumption:	25mA (idle) 100mA (max)
Max load of relay contacts:	30VDC 2A
Printer output	1200 baud

SHORT FORM PROGRAMMING GUIDE FOR DI-623-21L

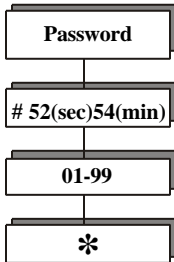
CLEAR MEMORY



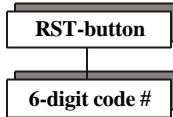
OPENING TIME



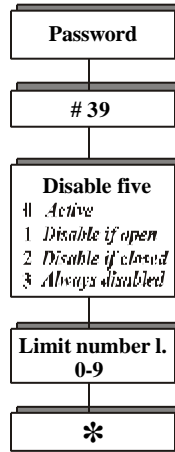
TIME OF CALL



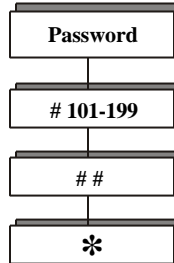
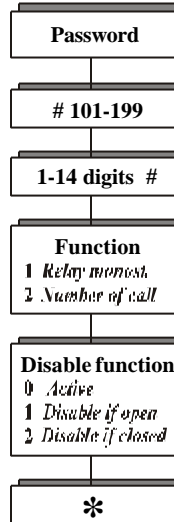
PASSWORD



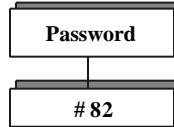
SPECIAL-FUNCTION



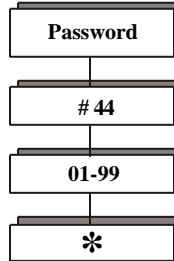
TELEPHONE NUMBER*/CODES
only if DI-608 or PL1:6 is used
Enter Delete



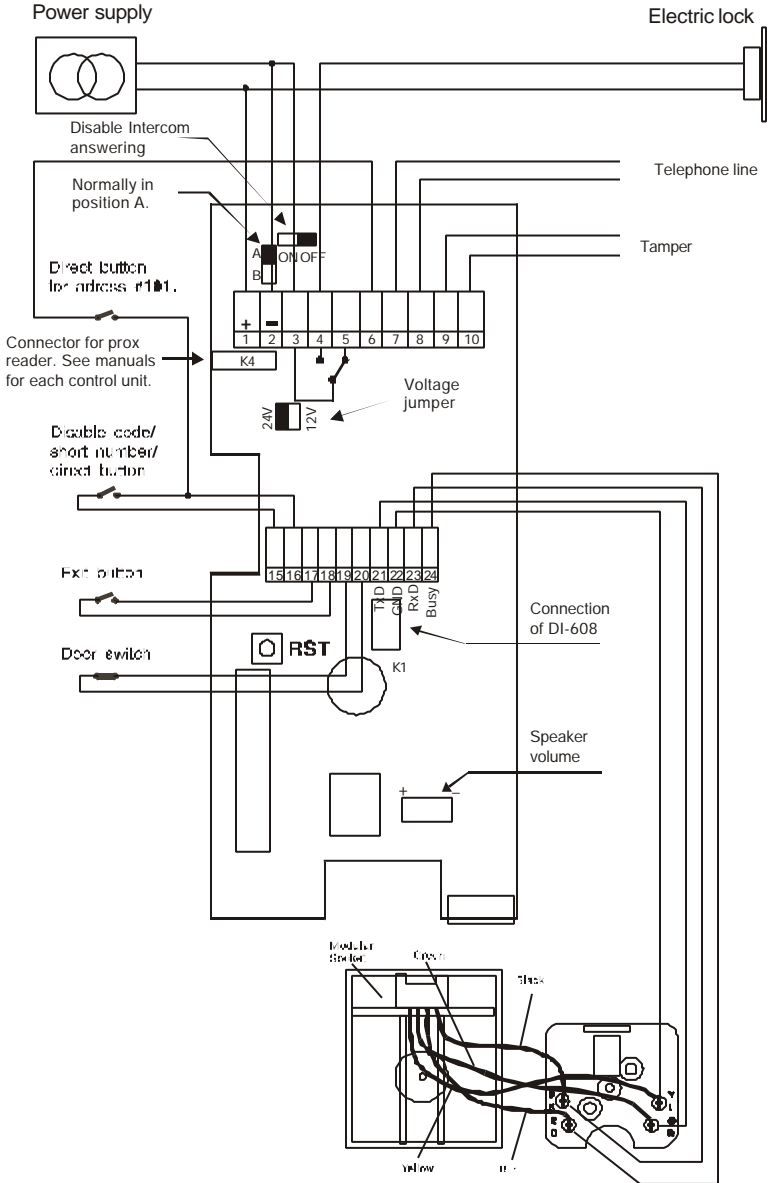
PRINTOUT



UNIT- ID

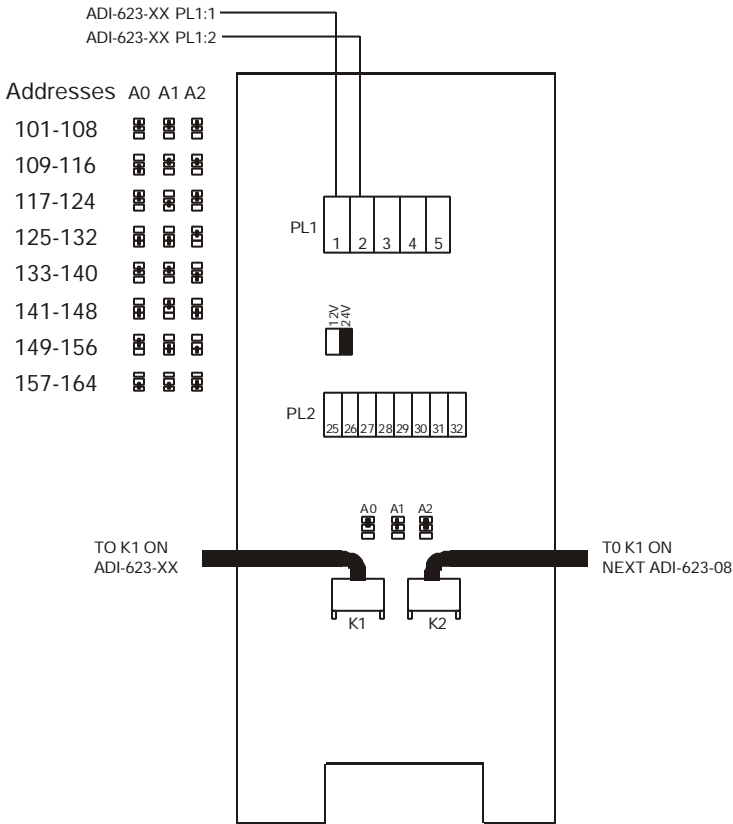


CONNECTION OF DI-623-21L



CONNECTION OF DIRECT BUTTONS WITH ADI-623-08

As mentioned in the introduction you can connect one or more ADI-623-08 to a DI-623-21L to be able to use more direct buttons. The connection is made with the cable that comes with the ADI-623-08. To light the name labels you also have to connect power on PL1:1 & 2. ADI-623-08 has 8 buttons that each activates an address in DI-623-21L. To be able to access different groups of addresses in ADI-623-08 you have to make an hardware addressing. This is done with the jumpers A0-A2. As delivered the jumper A0-A2 is set as below (Default). This corresponds to addresses 109 to 116 in DI-623-21L You can see a list of addresses and jumpers in the diagram below. To change an address you just put A0-A2 so that the right address is achieved.



Note: Before you connect or disconnect a ADI-623-08 you must disconnect the power.

Installed by:

Telephone: