Installati0n and user manual

UNITEL

ADI-623-11/16

AXEMA
Passagekontroll AB

How to use the door intercom.

When a visitor comes to the entrance, he press the button with your name on.

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 pressing the button again.

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 ADI-623-11 & ADI-623-16

1. INTRODUCTION

Axcall ADI-623-11 and ADI-623-16 are door intercoms to be connected to the public telephone net or a PABX. 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 possibility to use call numbers and codes can be time controlled by an external timer.

If the intercom is going to be used with a PABX, it has to have an **analogue two-wire connection**. To be able to use the opening function the PABX also must use **Dual Tone Multi-Frequency** signalling (DTMF) to the door intercom.
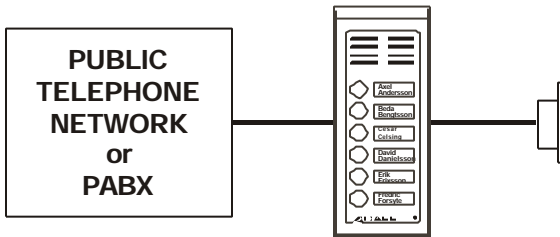
ADI-623-16

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 telephone line 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.
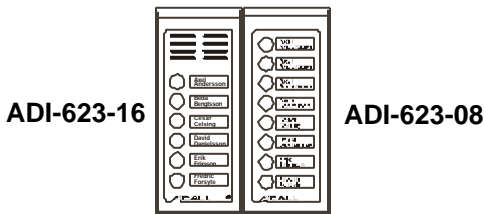
ADI-623-16   **ADI-623-08**

You can expand the "direct number buttons" by connecting one or more ADI-623-08 (max 64 buttons). If you have a ADI-623-11, a separate button connected to terminal PL1:6 could even activate memory address 101 to get you in touch with the reception. This button will work in parallel with the one on the front panel.

**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 presets 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.

**IMPORTANT! The programming is different on ADI-623-11 and ADI-623-16 choose the right alternative see point 3.1 and. 3.2.**

3.1. PROGRAMMING OF TELEPHONE NUMBERS ADI-623-11

ADI-623-11 has a memory for storing of a telephone number. This is stored at address 101, and could be 1 to 14 digits The number should be combined with a function that stores it as a telephone number. The function is the digit **2**.

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

< 0 > - No time control
< 1 > - Disabled if PL2:15 PL2:16 is **open**.
< 2 > - 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 number** which is **101**, and you hear a double beep.
- Enter a **number** with optional number of digits (max. 14).
- Press **#**, and you hear a double beep.
- Enter **2**, and you hear a double beep.
- Enter a **disable function** (0-2), and you hear two short and one long. The number is now stored in the memory and the unit returns to programming mode.
- Press *. The unit returns to working mode.

Example 1: Program a telephone number (722 40 00), which should not be time-controlled (0).

- Enter your **password.**
- Press **# 101 7224000# 2 0**
- Press ***.** The unit returns to working mode.

3.1. PROGRAMMING OF TELEPHONE NUMBERS ADI-623-16

ADI-623-16 has a memory for storing of telephone numbers. These are stored at fixed addresses 103 to 108, and could be 1 to 14 digits The number should be combined with a function that stores it as a telephone number. The function is the digit **2**.

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

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

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Programming is done in the following way:

- Enter your **password**. You will hear a beep every second.
- Press **#** and the **address for the first number** which is **103**, and you hear a
  double beep.
- Enter a **number** with optional number of digits (max. 14).
- Press **#**, and you hear a double beep.
- Enter **2**, and you hear a double beep.
- Enter a **disable function** (0-2), and you hear two short and one long. The
  number is now stored in the memory and the unit returns to programming
  mode.
- Press *. The unit returns to working mode.

Example 1: Program a telephone number (722 40 00), which should not be time-controlled (0).

- Enter your **password.**
- Press **# 103 7224000# 2 0**
- Press *****. The unit returns to working mode.

4. CANCEL TELEPHONE NUMBERS

If you want to cancel number at address 104, do the following:

- Enter your **password**.
- Press **# 104 # #.** 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.

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.**

The second function digit **must be 1**.

Example 2: Program so that open door with five does not work (3).

- Enter your **password**.
- Press **# 39 3 1**
- Press *. The unit returns to working mode.

After initialisation "open with five" is set to **always** work and second digit **should** be set to (1). You may reset this default set-up by programming **# 39 #.**

If you program #39x0, it means that unit doesn't work.

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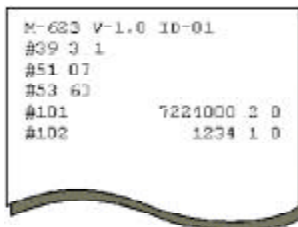
- Enter your **password**.
- Press **# 44** and you hear a double beep.
- Enter a 2-digit number (01-99) and you hear two short one long.
- Press *. The unit returns to working mode.

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:


```
M-623 V-1.0 ID-01
#39 3 1
#51 07
#53 60
#101        7221000 2 0
#102           1234 1 0
```

The printout shows that this is a ADI-623 software version 1.0 with the unit-ID 01. The second line indicates that the "open with five"-function is disabled (3) and second digit should be (1). 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 the button on a ADI-623-11, the number 722 40 00 is called and that this function not could be time controlled.

9. TECHNICAL DATA

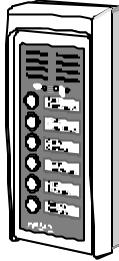|		
Power supply:	12 - 24VDC	
	12 .- 18VAC	
Power consumption:	25mA	(idle)
	110mA	(max)
Max load of relay contacts:	30VDC 2A	

Printer output 1200 baud

Installed by Company: ....

Name: ....

Telephone: ....

Password: ....

10. ADDITIONAL PROGRAMMING

Besides what's earlier mentioned in this manual, there are two functions that could be reprogrammed. The short beep that comes every 5:th second can be disabled, and the line test during calling can also be disabled.

The first function, disable the beep is up to the user to decide whether it's disturbing or not. Line test need to be disabled in some cases, e.g. if the power on the line is to low (below app. 20V = red LED flashes), or in the case the PABX detects the break as an impulse 0:a (dead or fault connection).

Following settings is possible:

0 = **Disabled** beep and **Enabled** line test.
1 = **Enabled** beep and **Enabled** line test. (default at 199200).
2 = **Disabled** beep and **Disabled** line test.
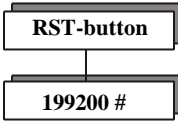3 = **Enabled** beep and **Disabled** line test.

For setting:
- Disconnect the power.
- Connect the programming keypad.
- Press and hold the button on programming keypad corresponding to the set-
  ting you want.
- Connect the power, when holding the button.
- Release the button and the setting is stored in memory.
- Disconnect the programming keypad.
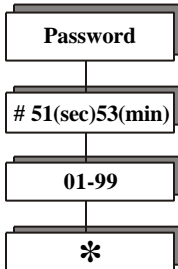
Note! At reset 199200 function (1) is set.
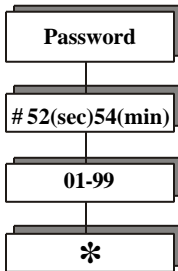
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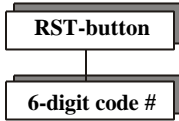# SHORT FORM PROGRAMMING GUIDE FOR ADI623-11/16

CLEAR MEMORY

| RST-button |

| 199200 # |

PASSWORD

| RST-button |

| 6-digit code # |

TELEPHONE NUMBER

Enter

| Password |

| *) # 101,103-108 |

| 1-14 digits # |

| Function
Press 2 |

| Disable function
0 Active
1 Disable if open
2 Disable if closed |

| ✱ |

Delete

| Password |

| *) # 101,103-108 |

| # # |

| ✱ |

OPENING TIME

| Password |

| # 51(sec)53(min) |

| 01-99 |

| ✱ |

SPECIAL-FUNCTION

| Password |

| # 39 |

| Disable five
0 Active
1 Disable if open
2 Disable if closed
3 Always disabled |

| Limit number l.
0-9 |

| ✱ |

PRINTOUT

| Password |

| # 82 |

TIME OF CALL

| Password |

| # 52(sec)54(min) |

| 01-99 |

| ✱ |

UNIT- ID

| Password |

| # 44 |

| 01-99 |

| ✱ |
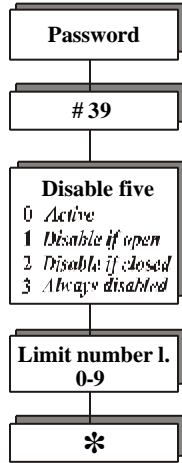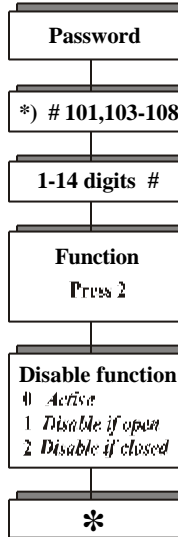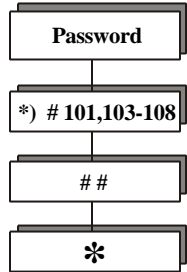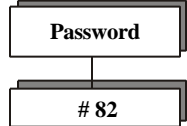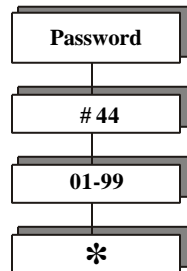
*) ADI623-11 Button 1 = Number. 101.

ADI623-16 Button 1 = Number. 103.

CONNECTION OF ADI623-11/16

Power supply

Electric lock

Disable Intercom answering

Normally in position AC

Telephone line

Direct button for adress nr 1.

DC AC   ON OFF

Tamper

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Voltage jumper

24V 12V

Disable code/ direct button

Exit button

15 16 17 18 19 20 21 22 23 24

TxD GND RxD Busy

Connection of DI-608

RST

K1

Door switch

Speaker volume

Modular contact

Green

Black

Yellow

Red

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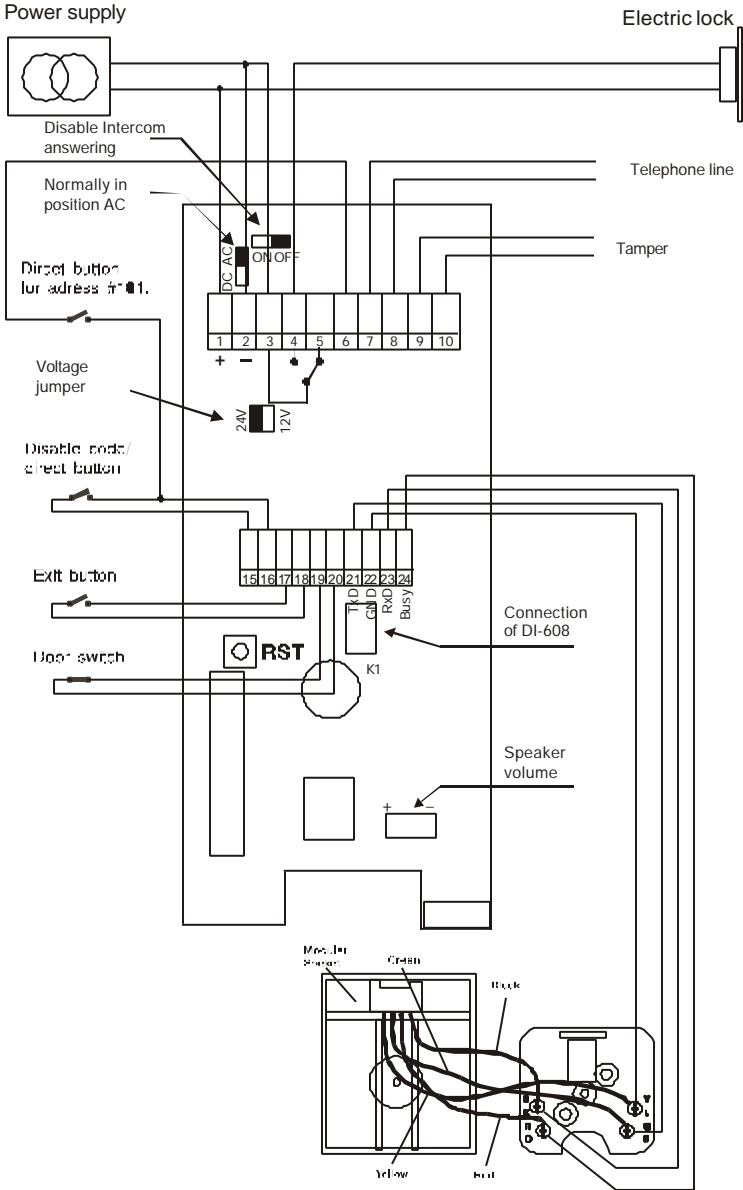
CONNECTION OF DIRECT BUTTONS WITH ADI-623-08

As mentioned in the introduction you can connect one or more ADI-623-08 to a ADI623-11 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 ADI623-11. 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 ADI623-11 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.
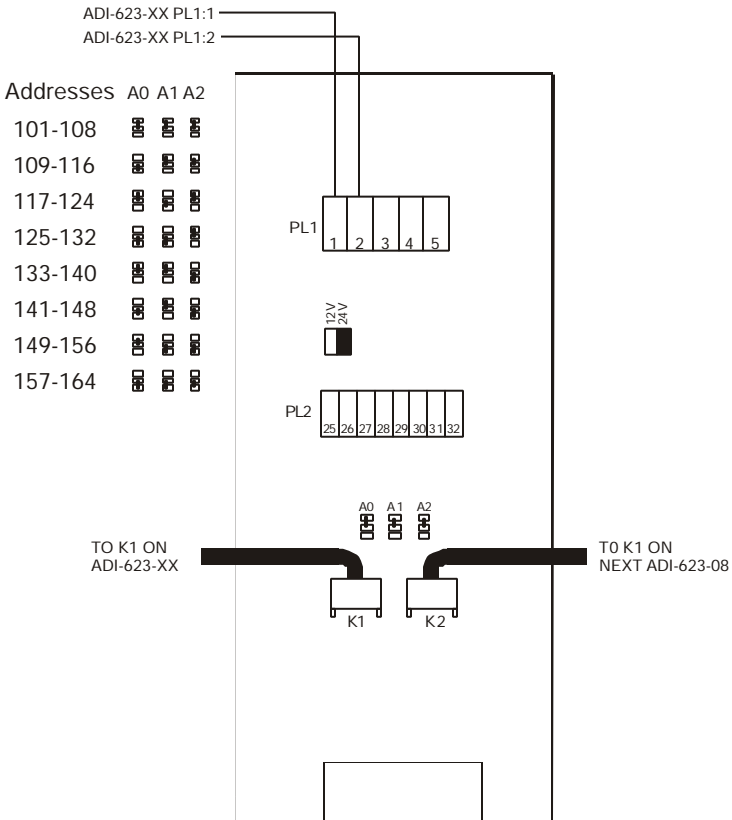
Note: Before you connect or disconnect a ADI-623-08 you <u>must</u> disconnect the power.

LIST OF NUMBERS/CODES IN ADI-623-11/16

DOOR NAME	

ADDRESS	NUMBER	NAME	DATE

Example:

#101	304#22	Charles Brown	99 01 23

= The button on ADI-623-11 calls Charles Brown on number 304 if PL2:15,16 is open.

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Installed by:

Telephone: