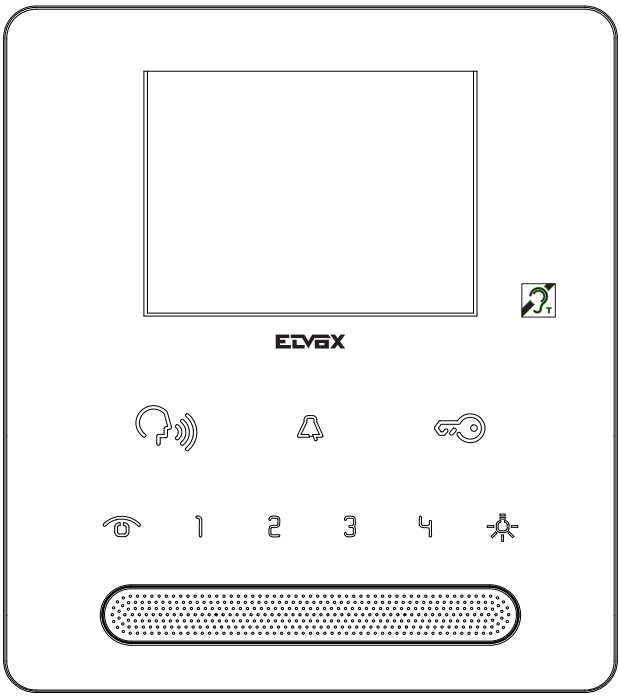
Installer guide



7539
Tab series speakerphone monitor

TAB

CONTENTS

Description....2
Technical characteristics....2
Installation....2
Functions of the buttons....4
Preliminary procedures....4
Manual ID configuration....4
Master ID and secondary ID correspondence table....5
Configuring configurable buttons....6
Configuring chimes....6
Operation....7
Impaired hearing operation....8
SaveProg software....9
Wiring diagrams and variants....10
Warnings for the installer and standards....11

Description

Speakerphone monitor with 3.5” colour LCD screen for Due Fili Plus systems. It has a capacitive keypad with buttons for **answering calls, unlocking, self-starting, auxiliary services, adjustments to volume, brightness and contrast.** It is possible to differentiate the call chimes. The visual signals are for “door/gate open,” “missed calls,” “user away” and “chime muting.”

Article **7539** features a hearing aid function.

Technical characteristics

Surface-wall mount or box installation (can be fitted to the wall with plugs or a rectangular type 503 or circular 60 or 70 mm flush-mounting box).

- 3.5” LCD display.
- Capacitive touch keypad with backlit symbols.
- Power supply for terminals 1, 2 (28 Vdc).
- Absorption:
  - on standby: 10mA
  - maximum conversation current: 160mA
  - peak current limited to call time: 160mA
- Ambient class: Class A1 (indoor use)
- Operating temperature: 0° to 40°C
- Operating ambient humidity 10 - 80% (non-condensing)
- Electronic chimes with different tunes (10).
- Input for landing call.
- Dimensions: 131x150x26.5 mm
- DIP switch for line impedance termination.

Installation

1. Secure the plate to the wall with plugs or on a box type 503 or a circular mounting box size 60mm (Fig.3 and 4).
2. Wire the terminal block which is integral with the mounting plate (Fig. 1 and 5).
3. Terminate the video signal (Fig. 6)
4. Install the indoor station on the plate (Fig. 7)
5. You can prevent the indoor station from getting unhooked as shown in Figure 8 with the anti-theft screw housed in the mounting plate (see Fig. 5).

Note: Fig. 2 shows the recommended installation distances, unless otherwise specified by current regulations.

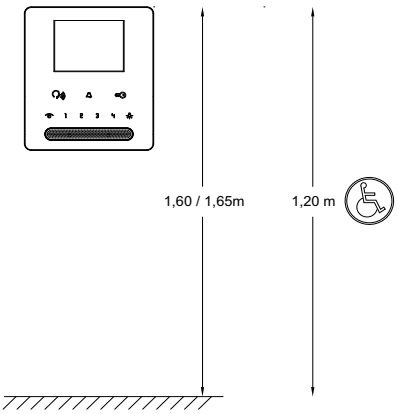


Fig. 2

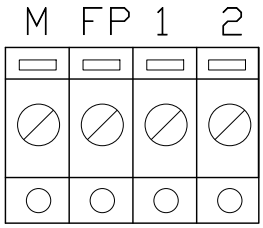


Fig. 1

Connection terminal block:

1, 2 = Bus terminals
FP = Input for landing call button (referring to terminal M).
M = Earth reference.

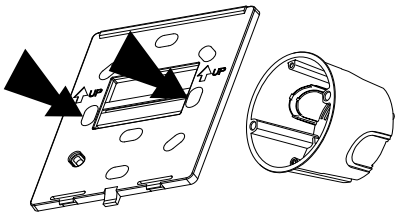


Fig. 3

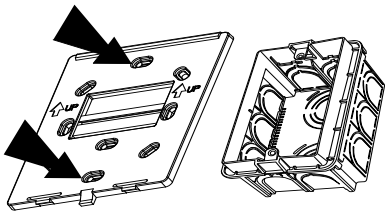


Fig. 4

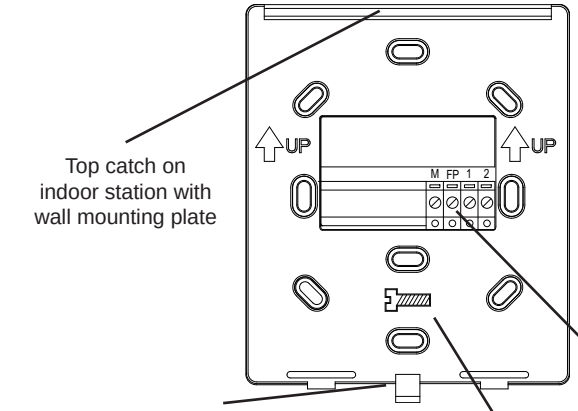


Fig. 5

Select DIP switch to terminate the video signal

C) when a BUS cable with a characteristic impedance of 50 ohms enters terminals 1, 2 and the riser stops in the indoor station

B) when a BUS cable with a characteristic impedance of 100 ohms enters terminals 1, 2 and the riser stops in the indoor station

A) if the BUS cable enters terminals 1, 2 and continues to another indoor station

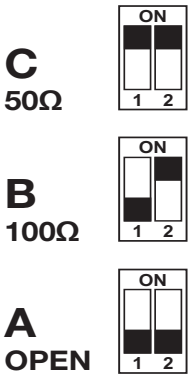


Fig. 6

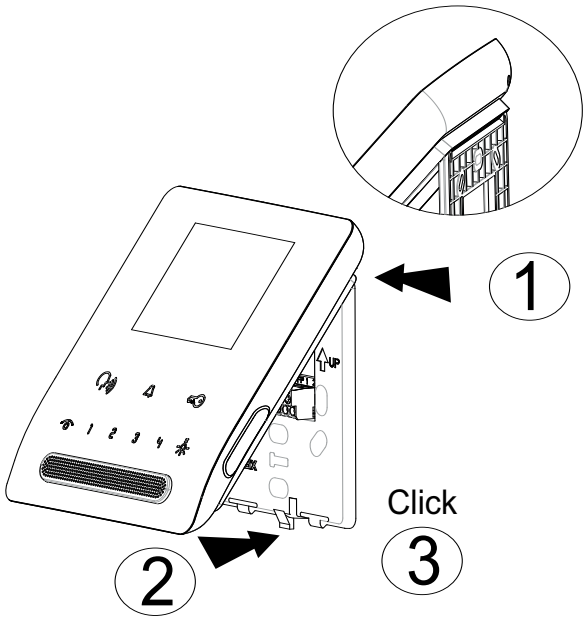


Fig. 7

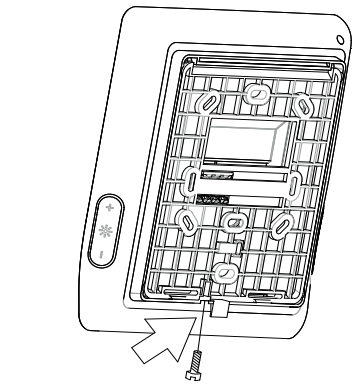
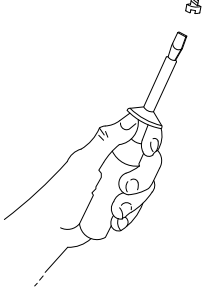


Fig. 8



Inserting screw for anti-theft device

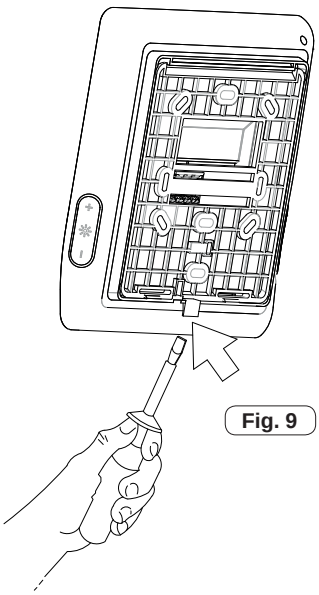


Fig. 9

To unhook the indoor station from the mounting plate, gently pry with a tool as shown in Figure 9.

FUNCTION OF THE BUTTONS

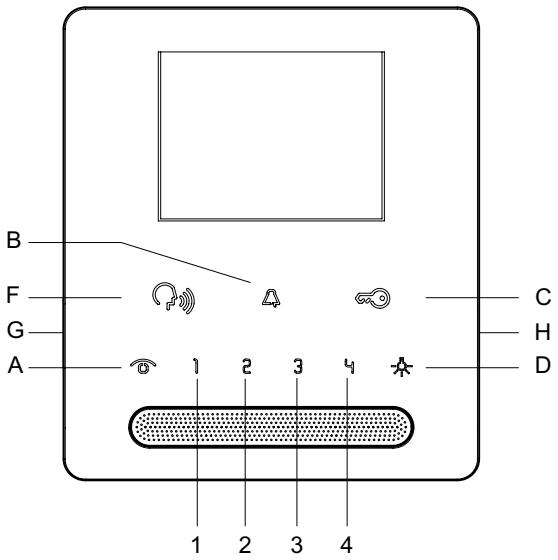


Fig. 10

A = Self-start
B = Chime muting or user away
C = Unlocking or door open LED
D = Aux1 (stair light)
F = Talk/listen
G = volume / contrast
H = Brightness
1 = Aux 2
2 = Spare
3 = Function F1
4 = Function F2

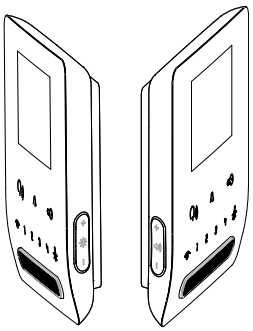


Fig. 11

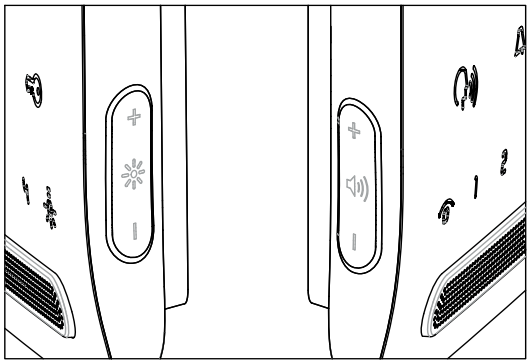


Fig. 11

Chime volume, brightness, contrast and voice unit adjustment

PRELIMINARY PROCEDURES

Note: The BASIC configurations can be assigned manually in BASIC mode (as described below) or ADVANCED mode with the SaveProg software complete with interface, installed on a PC. **All CONFIGURATION operations must be performed with the indoor station on standby**.

The indoor stations, after being installed as shown in the previous chapters, must be configured by assigning the ID code. The ID code is unique for each appliance.

MANUAL ID CODE CONFIGURATIONS

The Basic indoor station configurations are as follows:
- Configuration of the *ID code.*
- Or configuration of the *secondary ID code*, to be done when an indoor station needs to be associated with a *Master* indoor station.
- Configuration of the *programmable buttons* or changing the default settings of additional buttons, for auxiliary services or intercommunicating calls.

Configuration of the *ID code*

The identification code is programmed with a configured MASTER entrance panel.
An indoor station with no ID code configuration beeps three times when the button is pressed

1) Press and hold down the button.
2) Press the button too and keep them pressed until the button starts blinking.
3) Release the buttons.
4) Press the button within 5s and keep it pressed until you hear a warning tone on the indoor station and the communication is activated between the indoor station and the external electronic unit. If more than 5s passes without the button being pressed, steps 1, 2 and 3 must be repeated.
5) Release the button.
6) With a timeout of 30s associate the ID code from the external electronic unit:

- if using an alphanumeric entrance panel, enter the primary ID code and confirm with the button.
- if using an entrance panel with buttons, press the button you want to use for calling the indoor station.

NOTE: If the system already contains an indoor station with the same associated identification code, the entrance panel emits a low tone and the process must be repeated from the start in order to assign a different code.

Configuring the secondary ID code in automatic mode

The *secondary* identification code is configured when the same call has to activate multiple indoor stations at the same time (max 4 composed of 1 Master and 3 secondary ones). You need to define a *Master* indoor station which can be associated with up to 3 indoor stations with a *secondary* ID. At most 50 *Master* ID codes can be configured in this mode.

1) Press and hold down the button of the *Master* indoor station.
2) Press the button too and keep them pressed until the button starts blinking.
3) Release the buttons.
4) Press the and buttons simultaneously and keep them pressed until you hear a warning tone on the indoor station and the communication is activated between the indoor station and the external electronic unit. If more than 5s passes without the and buttons being pressed, steps 1, 2 and 3 must be repeated.
5) Release the and buttons.
6) With a timeout of 30s associate the ID code of the *Master* from the external electronic unit:
- if using an alphanumeric entrance panel, enter the Master ID code and confirm with the button.
- if using an entrance panel with buttons, press the button you want to use for calling the indoor station.

MASTER ID AND SECONDARY ID CORRESPONDENCE TABLE

ID Group master	Secondary ID		
	1	2	3
1	51	52	53
2	54	55	56
3	57	58	59
4	60	61	62
5	63	64	65
6	66	67	68
7	69	70	71
8	72	73	74
9	75	76	77
10	78	79	80
11	81	82	83
12	84	85	86
13	87	88	89
14	90	91	92
15	93	94	95
16	96	97	98
17	99	100	101
18	102	103	104
19	105	106	107
20	108	109	110
21	111	112	113
22	114	115	116
23	117	118	119
24	120	121	122
25	123	124	125

ID Group master	Secondary ID		
	1	2	3
26	126	127	128
27	129	130	131
28	132	133	134
29	135	136	137
30	138	139	140
31	141	142	143
32	144	145	146
33	147	148	149
34	150	151	152
35	153	154	155
36	156	157	158
37	159	160	161
38	162	163	164
39	165	166	167
40	168	169	170
41	171	172	173
42	174	175	176
43	177	178	179
44	180	181	182
45	183	184	185
46	186	187	188
47	189	190	191
48	192	193	194
49	195	196	197
50	198	199	200

Table 1

Note: The SaveProg software can be used to program activation of the chimes of all the monitors and switching on the monitor of only the master unit.

Note: To delete from a group, the configuration deletion procedure described in the “Default data restore procedure” section must be performed.

CONFIGURING BUTTONS IN MANUAL MODE

Note: The configurations that can be implemented manually are: intercom, self-starting specific entrance panel, restoring default data and configurations.

Button configuration procedure for intercommunicating calls

1) Press and hold down the button of the indoor station to program (*calling*).
2) Press also the button of the indoor station to program (calling) and hold it down until the button starts blinking.
3) Release the buttons.
4) Press and hold down the calling button to be programmed (**1 / 2 / 3 / 4** /).
5) Wait for the indoor station to emit a continuous chime.
6) Release the button you wish to program for the calling indoor station.
7) Press a button on the indoor station to call (**/F1/F2/**).
8) An audible warning on the calling indoor station confirms that the procedure has correctly completed.

Configuring the self-start button for a specific electronic unit

1) Press and hold down the button
2) Press the button too and keep them pressed until the button starts blinking.
3) Release the button.
4) Press and hold down the button to be configured (**1 / 2 / 3 / 4** /).
5) Wait for the indoor station to emit an audible warning.
6) Release the button.
7) Call the indoor station from the panel you want to perform direct self-starting:
- On button entrance panels, press the button corresponding to the indoor station on which the button is being configured.
- On alphanumeric panels, enter the ID corresponding to the indoor station on which the button is being configured and press the button on the panel to confirm.
8) At the end of the procedure described above, the indoor station emits a signal to confirm that the operation has been successful and it is called by the entrance panel.

Procedure for restoring default data for each individual button (1 / 2 / 3 / 4 /)

1) Press and hold down the button
2) Press the button too and keep it pressed until the button starts blinking.
3) Release the buttons.
4) Press and hold down the button to be restored to the default configuration (**1 / 2 / 3 / 4** /) until the indoor station beeps..
5) Release the button and press the button again, the indoor station emits a signal to confirm that the operation has been successful.

Note: This procedure allows you to manually reconfigure the buttons except for the and buttons which require the SaveProg software

Default data restore procedure

1) Press and hold down the button
2) Press the button too and keep them pressed until the button starts blinking.
3) Release the buttons.
4) Press and hold down the button .
5) When an audible warning is emitted (during the sound) release the button and briefly press the button .
The indoor station configurations have now been deleted. Make sure that the configurations have been successful deleted by pressing the button. .
The indoor station should emit an audible warning (3 beeps).

CONFIGURATIONS (TO BE DONE WITH THE INDOOR STATION ON STAND-BY)

Selecting call tunes

You can select the chimes from among **10 call tunes**
Button **1** selects the ENTRANCE PANEL CALL tune.
Button **2** selects the INTERCOM CALL tune.
Button **3** selects the LANDING CALL tune (with specific electronic module).

1) Press and hold down the button (for 2 s) until the button starts blinking accompanied by an audible warning.
2) Press button 1 or 2 or 3, the indoor station will start playing the last tune in memory.
3) Repeatedly press button 1 or 2 or 3 to select the kind of tune you want.
4) Press the button to save the tune or wait 15s. At the end of configuration, the blinking button goes out.

ADJUSTMENTS

Chime volume adjustment

The chime volume can be set to **10 levels**.
Press the **-** button to decrease the volume of the tune, the **+** button to increase the volume of the tune (see Fig. 11).

1) Press and hold down the button (for 2 s) until button starts blinking accompanied by an audible warning.
2) Press the + or - button (on the left side of the indoor station) to play and adjust the chime volume.
3) Repeatedly press the + or - button to select the volume you want.
4) Press the button to save the tune or wait 15s. At the end of configuration, the button stops blinking.

Brightness adjustment
Adjustment is possible during communications and self-starting, press the **-** and **+** button on the right-hand side to adjust the brightness.

Contrast adjustment (volume button)
Adjustment is possible during self-starting (without activating the voice unit). Press the **-** or **+** button on the left-hand side to adjust the contrast

External call voice unit volume adjustment (10 levels with indoor station in a conversation)
Use the + and - buttons on the left-hand side to adjust the desired level. It is adjusted during a conversation.

Internal call voice unit volume adjustment (10 levels with indoor station in a conversation)
Use the + and - buttons on the left-hand side to adjust the desired level. It is adjusted during a conversation.

Muting the chime (User Away function)
To mute the chimes, press the button and hold it down (approximately 2s). Deactivation is confirmed with a “low-pitched” tone and the button lighting up with a steady light. Chime reactivation is signalled by a “high-pitched” tone and the button going out. With the user away, the indoor station is able to keep up to 4 missed calls in memory by blinking the button. Saving to memory consists of one flash per missed call. The signalling takes place with flashes every 10s. When the chime is restored the counter is reset. This function can be activated with the indoor station at reset.

OPERATION

Caution: For the indoor station to work, the ID code must have already been configured. To check this, press a button on the monitor (but not the buttons and the volume and brightness buttons): if an ID has been assigned to the monitor, one beep will sound, if no ID has been assigned or it has been deleted, 3 beeps will sound.

Answering a call
Press the button . To end the conversation, press the button again .

FP/M Landing calls (see “FP/M connection variant” wiring diagrams)
The duration of the chime cycle depends on how long the button is pressed, for a maximum time of 10s.

Making an intercommunicating call
To make a call to another indoor unit, one or more buttons must have been programmed (see “Button configuration” section).
Press the programmed button for the extension to call. During the call, the indoor station emits a tone in order to signal that the call is being made.
If the indoor station is already engaged with another call, a tone will be heard on the indoor station making the call to indicate that the user receiving the call is busy. When the called party answers, the communication is automatically activated. To end the conversation, press the button .
The maximum length of a conversation is 5 minutes.

Temporarily muting the chime
When you receive a call, you can temporarily mute the chime by pressing the button .

Lock command
Press the button to send a lock opening command (by default, the last entrance panel to make a call).

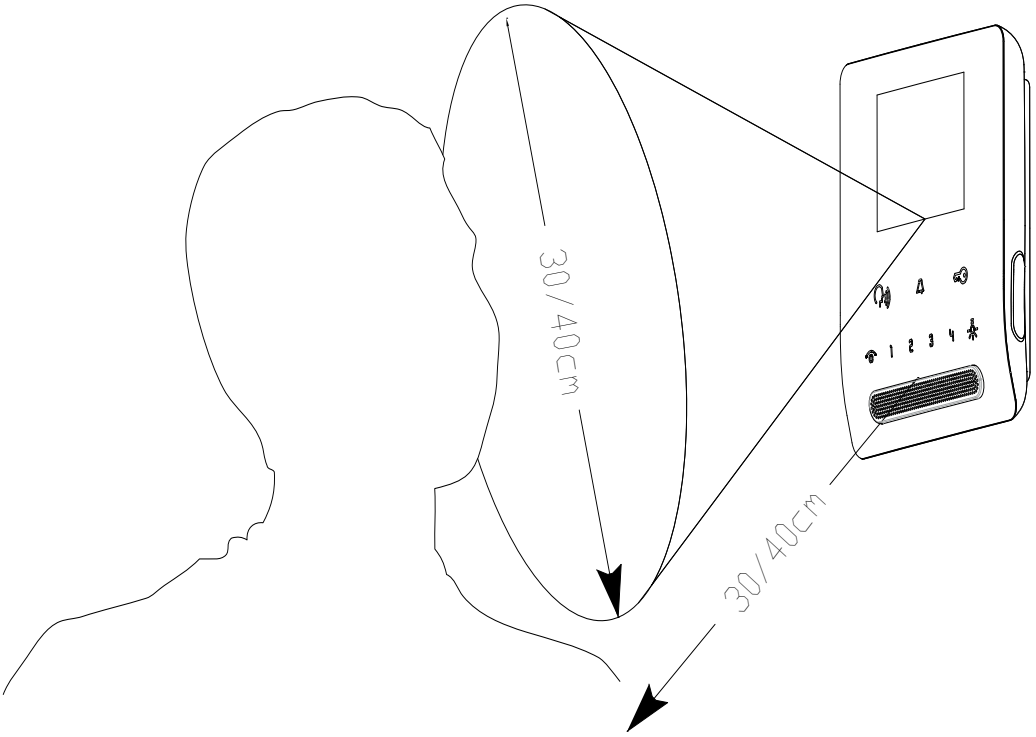
Self-start
- Self-start with dedicated button

To self-start to the master panel, briefly press the button . Only incoming video and audio are activated. To activate the voice unit towards the outside and communicate with the entrance panel, press the button . To end the conversation, press the button again . If any communication is already in progress, a busy tone will be heard at the indoor station making the call.

Calling a concierge switchboard
To make a call to a concierge switchboard (if installed in the system), press the button and, with a timeout of 5s, send the call by pressing the button. During the timeout the button flashes.

Impaired hearing function

Art. 7529 has an internal coil which allows hearing aid wearers to use the device. However, for correct operation of the hearing aid refer to its instruction manual. Any metal objects or electronic equipment nearby may compromise the quality of the sound received by the hearing aid.



SIGNALS

- Blinks with each call received by the indoor station (with a different frequency between internal and external calls).
- Blinks also in the case of saving missed calls with the “user away” configuration.
- Blinks during configuration.

- Steady light, voice unit on

- Blinks during the timeout for sending a call to the concierge switchboard.
- Steady light if an opening has been left open (when the specific connection has been made by the installer).
- Blinks in the configuration phase.

Note: All the buttons are backlit, they light up when touched.

MAINTENANCE

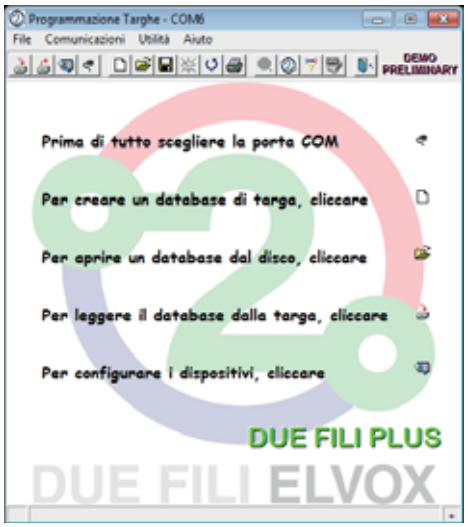
Clean using a soft cloth. Do not pour water onto the appliance and do not use any type of chemical product. Press and after 2s the video door entry unit will beep and all the LEDs will blink for 5s. The 5s timeout is renewed every time a button is touched. After the 5s timeout the video door entry unit will emit another warning beep.

WARNINGS FOR THE USER

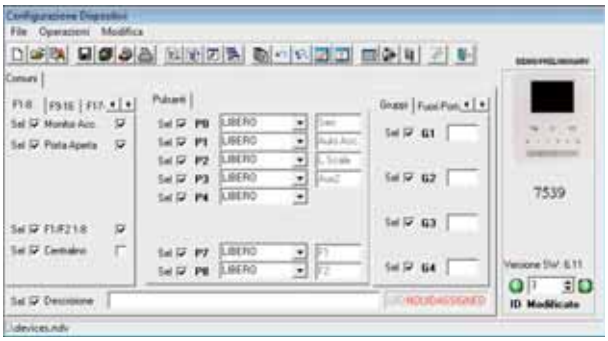
Do not open or tamper with the appliance. In the event of trouble, call in specialized personnel

Configuring with SAVEPROG Software

SaveProg is PC software designed for advanced configuration of Due Fili Plus Systems.



Clicking the icon opens the "**Device configuration**" window.



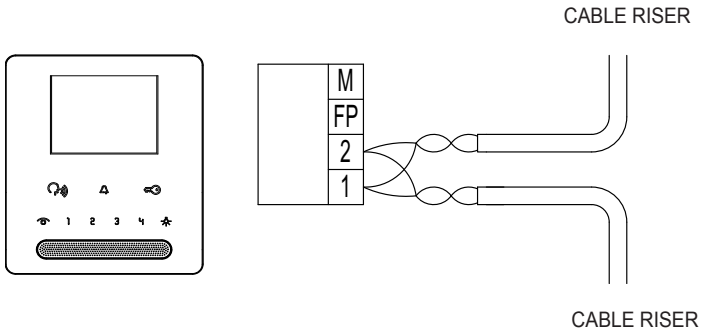
It is possible to change button configurations, create groups, select chime tune types, adjust chime volume and enable or disable functions.
On completing the desired settings:

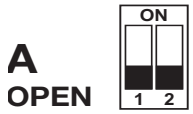
- transfer the program to the device by clicking on the icon.

At this point the device will have been reprogrammed.

Connecting the indoor station art. 7539 in the in/out configuration (REF. SI696).

In/out wiring diagram

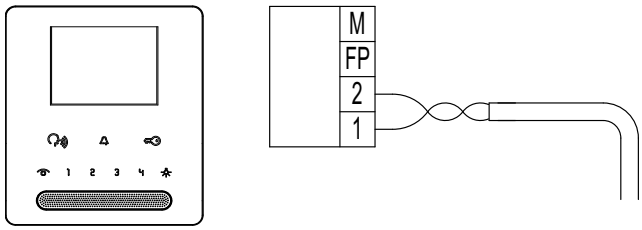


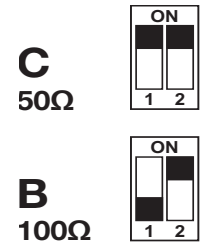


Termination to apply

Connecting the indoor station art. 7539 in the terminal configuration (REF. SI696).

Wiring diagram with cable terminating in the indoor station

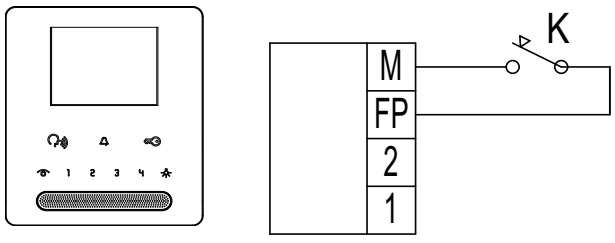




Termination to be applied depending on the characteristic impedance of the cable

Variant for connecting the landing button REF. SI696).

Connecting the FP/M terminal



INSTALLATION RULES

Installation should be carried out observing current installation regulations for electrical systems in the country where the products are installed.

CONFORMITY

BT directive
EMC directive
Standards EN 50486, EN 60118-4.

USER INFORMATION IN COMPLIANCE WITH EUROPEAN DIRECTIVE 2002/96 (RAEE)

In order to avoid damage to the environment and human health as well as any administrative sanctions, any appliance marked with this symbol must be disposed of separately from municipal waste, that is it must be reconsigned to the dealer upon purchase of a new one. Appliances marked with the crossed out wheelie bin symbol must be collected in accordance with the instructions issued by the local authorities responsible for waste disposal.

http://www.freertos.org/

ELVOX
VIMAR group
Viale Vicenza, 14 - 36063 Marostica VI - Italy
Tel. +39 0424 488 600 - Fax (Italia) +39 0424 488 188
Numero Verde 800-862307
Fax (Export) +39 0424 488 709
www.vimar.com

49400581A0.MIEN RL00 1312
ELVOX - Marostica - Italy