

# NEWS 2009

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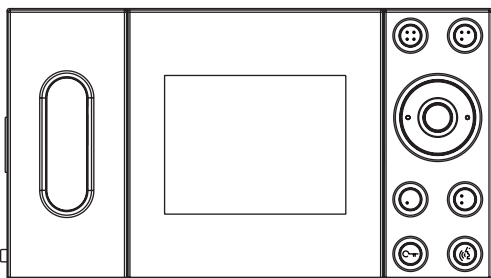


# IMAGO HANDS-FREE COLOUR TFT 4" VIDEO DOOR PHONE Ref. 1707/1

## SPECIFICATIONS TECHNICAL SPECIFICATIONS

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### IMAGO HANDS-FREE COLOUR TFT 4" VIDEO DOOR PHONE Ref. 1707/1



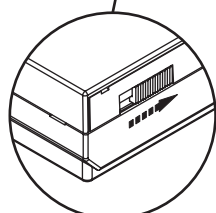
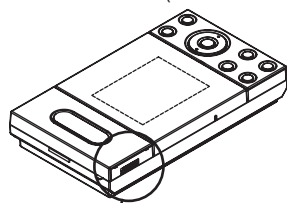
The Imago video door phone has been designed by architect Trabucco and is provided with a dedicated call loudspeaker and 3-level call tone volume adjustment (high-low-mute).

Imago is equipped with additional buttons for additional services and with an OSD display that allows adjustment of colour, brightness and contrast directly from the display, using a joystick on the video door phone. During the installation it is possible to choose the video door phone operating mode: Hands-free or Button pressed. In the first case, after receiving a call, press the Audio on button to start conversation, and press again the same button to stop it; in the second case, keep the Audio ON button pressed during all the conversation time.

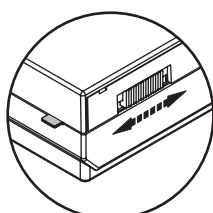
### SPECIFICATIONS

The main characteristics of the video door phone are:

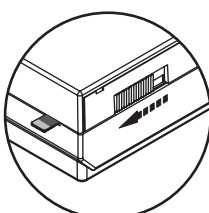
- Flat 4" LCD colour module.
- Call tone volume adjustment and call tone exclusion function (Mute). In Mute mode (call excluded) is visible a mechanical red signal.



**MAX.**



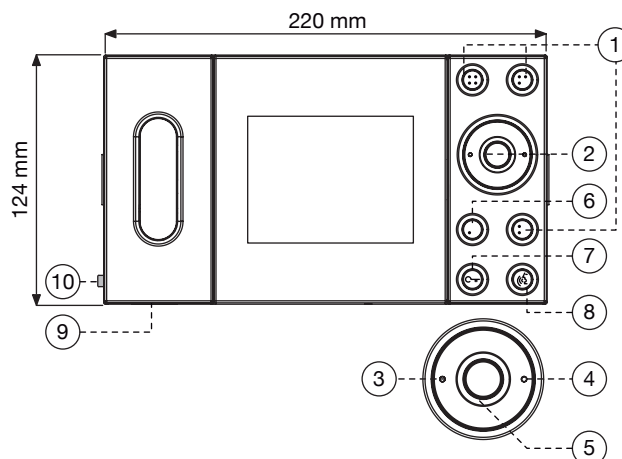
**MIN.**



**MUTE**



When volume is set to "MUTE" the video door phone will not ring but the video module will light up.



- AUXILIARY BUTTONS:** these can be used for specific functions according to the system.
- JOYSTICK:** this is used to adjust the video parameters.
- The left joystick button is used to decrease video parameters.
- The right joystick button is used to increase video parameters.
- SELECT:** This button is used to select the video parameter to be adjusted.
- AUTO-ON BUTTON**
- DOOR OPENER BUTTON:** This turns green when the video door phone is on. It turns red to indicate that the door is open and blinks red to indicate that the automatic door opening function is on.
- AUDIO BUTTON:** This turns green when the video door phone is on. The button will turn amber when the audio button is pressed.
- CALL VOLUME/MUTE CONTROL**
- MUTE INDICATOR:** A tab protrudes from the left-hand side of the video door phone when the volume is muted.

### TECHNICAL SPECIFICATIONS


Power voltage:	16 ÷ 26Vcc
Working:	max 0,36A
PAL version:	Vertical frequency: 50Hz ± 5Hz
	Horizontal frequency: 15625 ± 100Hz
Video signal:	1Vpp ± 10%
Kinescope:	4" TFT (with OSD)
Video impedance:	>10KW
Resolution:	960 (H) x 234 (V) dot
Receiving capsule:	45Ω speaker
OSD Menu Control:	<b>Brightness, Contrast and Colour</b>
Max. call volume:	≥ 85dB
Transmitting capsule:	electret microphone
Button voltage:	24Veff. max
Button current:	0,5Aeff
Operating temperature range:	-5° ÷ +50°C
Max. humidity:	90% UR

**BRACKETS FOR IMAGO VIDEO DOOR PHONE**

The Imago video door phone is supplied without bracket that must be purchased separately.

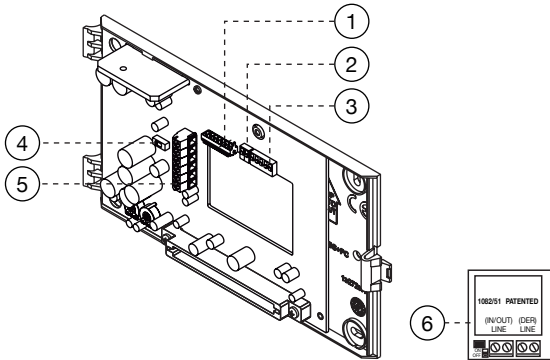
Kit Ref. 1707/701 including the following devices:

- System 2GO! bracket Ref. 1707/82
- One-user distributor Ref. 1082/51

 The one-user distributor must be installed only for video door phones connected in extension configuration. The distributor is not required with connections in in-out configuration.

The bracket fits connection terminals, programming dip switches and line terminal switch.

A yellow LED is provided for checking correct reception of the video signal. The LED comes on if reception is not optimal.



- ① Yellow indicator LED
- ② Apartment internal code dip switch (INT)
- ③ User code dip switch (CODE)
- ④ Line terminal switch
- ⑤ Terminal board
- ⑥ One-user distributor

**BRACKET TERMINAL BOARD**

LINE IN	} Non-polarised bus line
LINE IN	
LINE OUT	} Not polarized Bus line for line output connection
LINEOUT	
S+	Supplementary ringer connection positive
S-	Supplementary ringer connection negative
CP	} Floor call button
CP	

**TECHNICAL SPECIFICATIONS Ref. 1707/701**

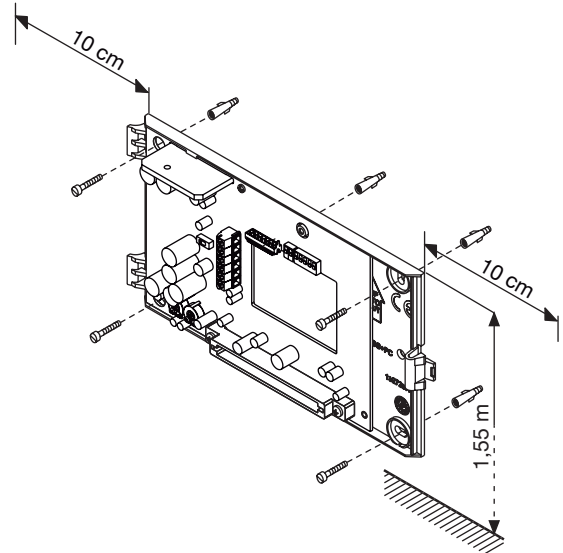
Max. bracket draw with monitor on:	<b>550mA</b>
Max. bracket draw in standby:	<b>11mA</b>
Working one-user distributor:	<b>8 ÷ 12mA</b>

**DEFAULT PROGRAMMING**

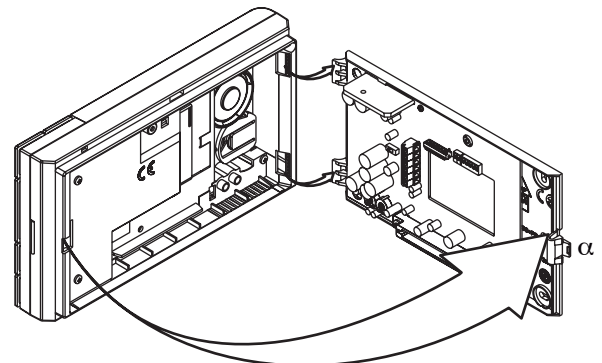
User code:	<b>31</b>
Indoor station code:	<b>0</b>
Line termination:	<b>ON</b>

**INSTALLATION**

- Fasten the bracket to the wall with screws and bolts respecting the side dimensions.



- Connect the non-polarised Bus line wire to the LINE IN terminals.
- To use the floor call or supplementary ringer function, connect the respective wires.
- Fit the video door phones on the brackets after checking that the bracket yellow LEDs are off.
- Remove the cardboard protection.
- Fasten the video door phone as shown in the figure.
- To replace the video door phone, press the hook  $\alpha$  and turn it clockwise.





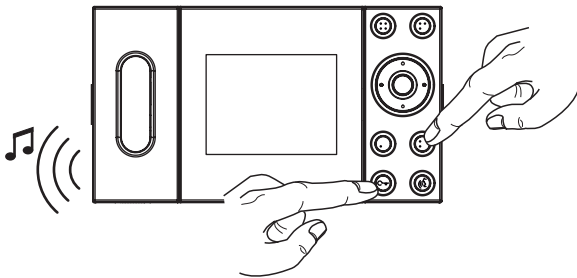
## TONE SELECTION

Five tones can be selected on 2GO! system indoor stations. The tones can be programmed also by the end user by following the simple sequence below.

### DOOR PHONE CALL TONE

Five tones can be selected on 2GO! system indoor stations. The tones can be programmed also by the end user by following the simple sequence below:

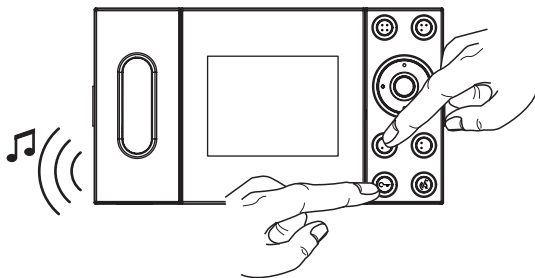
1. Hold the door opener button pressed. Press and release the button. The indoor station will play a tone.
2. Hold the door opener button pressed and press the button again to change the tone.
3. Release the door opener button when you have chosen the tone you want. The tone is now programmed.



### FLOOR CALL TONE

Five floor call tones can be selected on 2GO! system indoor stations. The tones can be programmed also by the end user by following the simple sequence below:

1. Hold the door opener button pressed. Press and release the button . The indoor station will play a tone.
2. Hold the door opener button pressed and press the button again to change the tone.
3. Release the door opener button when you have chosen the tone you want. The tone is now programmed.



## PROGRAMMING DATA DELETION (RESTORE DEFAULT SETTINGS)

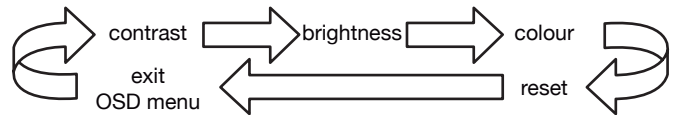
Proceed as follows to delete all optional programming data:

1. Holding button pressed, press button . The video door phone will beep twice to indicate that it is in programming mode. Button will start blinking red.
2. Press and at the same time for 3 seconds until you hear the deletion tone.
3. Press the apartment station button . The video door phone will beep when you exit programming. Button will go out.

## CONTRAST, BRIGHTNESS, COLOUR ADJUSTMENT

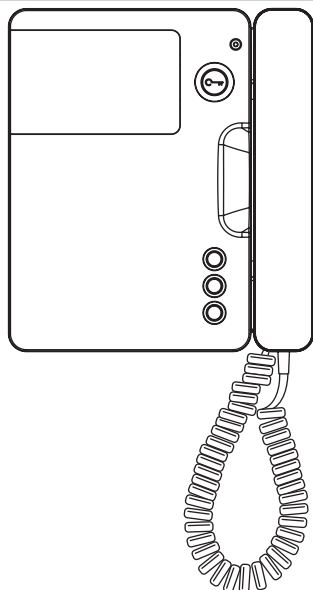
These video parameters can be adjusted only when the video door phone is on, after receiving a call or selecting the auto-on function.

- Use the joystick button (2) to access the setting menu.
- Press the right button (4) to increase and the left button (3) to decrease.
- Press the **SELECT** (5) to go to the next parameter in the following sequence:



The **RESET** is used to return all parameters to the initial condition. Press either the right or the left button of the joystick to reset the parameters. Press the middle button to exit the setting menu. The changes will not be stored if the video door phone goes out before exiting setting mode.

**SIGNO BLACK/WHITE VIDEO DOOR PHONE  
Ref. 1740/1**



The Signo video door phone, designed by architect Citterio, is provided with 1 button for door lock release backlit with a blue led, 3 buttons for additional services, call tone volume adjustment with function "Mute".

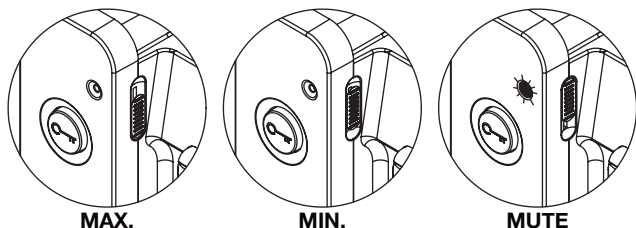
It is equipped with a special handset that allows deaf people, provided with a suitable earphone, to hear who is speaking from the push button panel.

The video door phone is easy to install, because no masonry is necessary and all connections can be done on the bracket to which it will be fastened.

**SPECIFICATIONS**

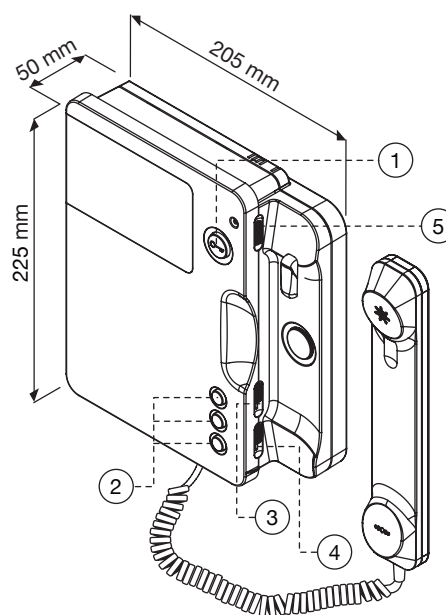
The main characteristics of the video door phone are:

- Flat 4" black and white video module.
- Call tone volume adjustment and call exclusion function (Mute). The Mute function is signalled by a red indicator on the front side.



When volume is set to "MUTE" the video door phone will not ring but the video module will light up.

- The door lock release button is backlit by led when the video module is on.
- Service buttons (●, ●, ●, ●), for example for the activation of additional electric locks, stairs lights, video door phone auto-on, etc.
- Adjustable brightness and contrast.



- ① Door opener button
- ② Auxiliary buttons
- ③ Contrast adjustment control
- ④ Brightness adjustment control
- ⑤ Call volume control and adjustment

**TECHNICAL SPECIFICATIONS**

Power voltage:		<b>16 ± 18,5Vcc</b>
Working:	Uptake:	<b>max 0,35A</b>
	Stand-by:	<b>0A</b>
Working power:		<b>max 6,5W</b>
CCIR version:	Vertical frequency:	<b>50Hz ± 2Hz</b>
	Horizontal frequency:	<b>15625 ± 300Hz</b>
Video signal:		<b>1Vpp 75Ω nominal</b>
		<b>1Vpp -6dB minimum</b>
Kinescope:		<b>4" flat 13mm neck</b>
Phosphorous:		<b>P45</b>
Screen size:		<b>81 x 59mm</b>
Geometric distortion:		<b>vert. 5% max.</b>
		<b>horiz. 5% max.</b>
		<b>barrel 10% max.</b>
Brightness:		<b>170cd/m<sup>2</sup> max. setting</b>
X-rays:		<b>none</b>
Switch-on delay:		<b>4sec. Max</b>
Transmitting capsule:		<b>electret microphone</b>
Receiving capsule:		<b>45Ω speaker</b>
Buttons contacts range:		<b>0,5A @ 18Vdc</b>
Operating temperature range:		<b>-5° ÷ +50°C</b>
Max. humidity:		<b>90% UR</b>

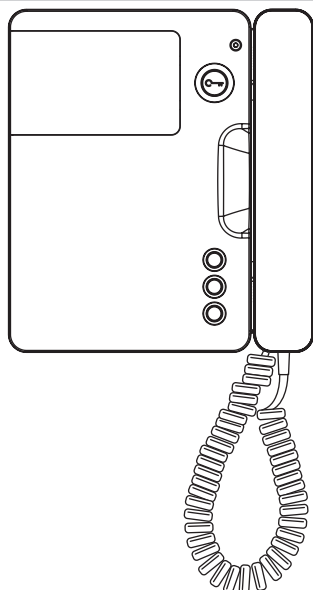


# SIGNO COLOUR VIDEO DOOR PHONE Ref. 1740/40

## SPECIFICATIONS TECHNICAL SPECIFICATIONS

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### SIGNO COLOUR VIDEO DOOR PHONE Ref. 1740/40



The Signo video door phone, designed by architect Citterio, is a colour apartment station that, as for the black/white version, is provided with a door lock release button backlit with blue led, 3 buttons for additional services, call tone volume adjustment with "Mute" function.

It is equipped with a special handset that allows deaf people, provided with a suitable earphone, to hear who is speaking from the push button panel.

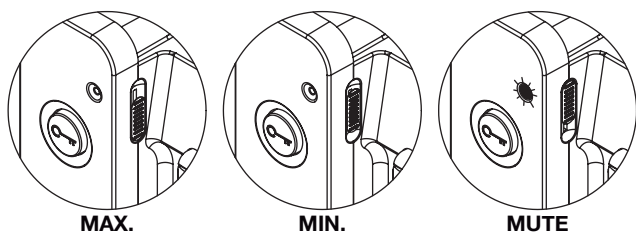
The video door phone is easy to install, because no masonry is necessary and all connections can be done on the bracket to which it will be fastened.

### SPECIFICATIONS

The main characteristics of the video door phone are:

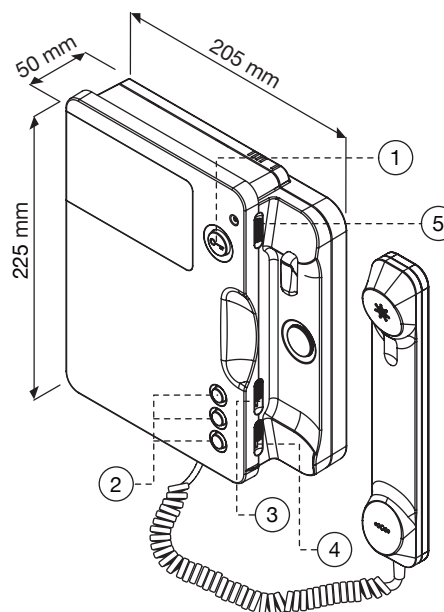
4" LCD colour flat video module.

- Call tone volume adjustment and call exclusion function (Mute). The Mute function is signalled by a red indicator on the front side.



When volume is set to "MUTE" the video door phone will not ring but the video module will light up.

- The door lock release button is backlit by led when the video module is on.
- Additional buttons (●, ●●, ●●●) for special decoder activation, auto power-on, Intercom calling and advanced programming.
- Image brightness and colour adjustment.



- 1 Door opener button
- 2 Auxiliary buttons
- 3 Colour adjustment control
- 4 Brightness adjustment control
- 5 Call volume control and adjustment

### TECHNICAL SPECIFICATIONS

Power voltage:		16 ÷ 18,5Vcc
Working	Uptake:	max 0,35°A
	Stand-by:	0A
Working power:		max 6,5W
CCIR version	Vertical frequency:	50Hz ± 2Hz
	Horizontal frequency:	15625 ± 300Hz
Video signal:		1Vpp 75 Ω nominal
		1Vpp -6 dB minimum
LCD:		4" backlit
Screen size:		81 x 59mm
Resolution:		380H x 250V pixel
Colour system:		PAL
Switch-on delay:		4sec. Max
Transmitting capsule:		electret microphone
Receiving capsule:		45Ω speaker
Buttons contacts range:		0,5A @ 18Vdc
Operating temperature range:		-5° ÷ +50° C
Max. humidity:		90% UR

**SIGNO BRACKET AND ONE-USER DISTRIBUTOR KIT Ref. 1740/701**

The Signo video door phone is supplied without bracket that must be purchased separately.

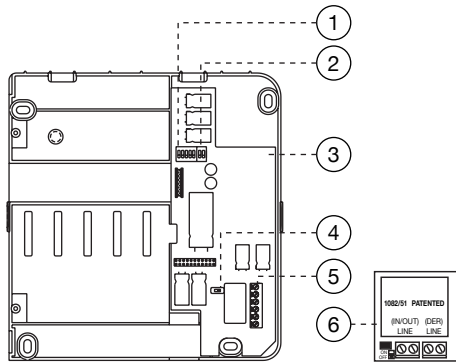
Kit Ref. 1740/701 including the following devices:

- System 2GO! bracket Ref. 1740/82
- One-user distributor Ref. 1082/51

*The one-user distributor must be installed only for video door phones connected in extension configuration. The distributor is not required with connections in in-out configuration.*

The bracket fits connection terminals, programming dip switches and line terminal switch.

A yellow LED is provided for checking correct reception of the video signal. The LED comes on if reception is not optimal.

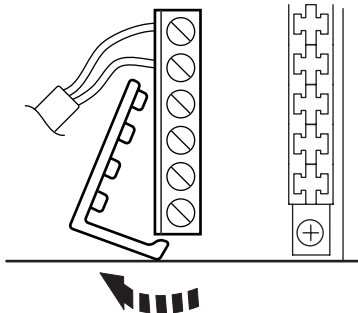


- ① User code dip switch (CODE)
- ② Apartment internal code dip switch (INT)
- ③ Yellow indicator LED
- ④ Line terminal switch
- ⑤ Terminal board
- ⑥ One-user distributor

**BRACKET TERMINAL BOARD**

- LINE } Non-polarised bus line
- LINE }
- S+ Supplementary ringer connection positive
- S- Supplementary ringer connection negative
- CP } Floor call button
- CP }

To use the floor call or supplementary ringer function, remove the dedicated terminal protection and connect the respective wires.



**TECHNICAL SPECIFICATIONS Ref. 1740/701**

- Max. bracket draw with monitor on: 550mA
- Max. bracket draw in standby: 11mA
- Working one-user distributor: 8 ÷ 12mA

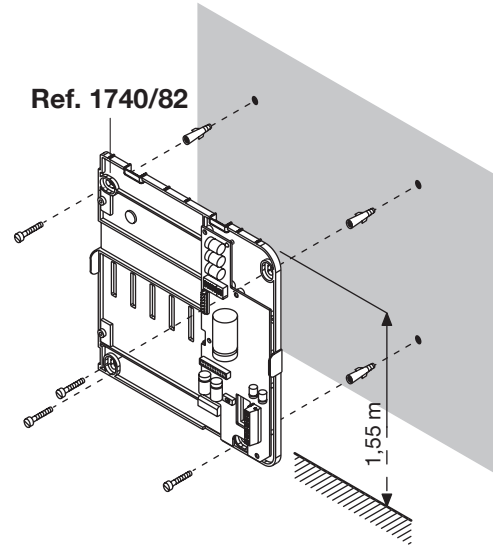
**DEFAULT PROGRAMMING**

- User code: 31
- Indoor station code: 0
- Line termination: ON

**INSTALLATION**

Proceed as follows to install the Signo video door phone and the respective bracket:

1. Arrange the duct so that it ends in correspondence with the input hole on the bracket.
2. Fasten the bracket to the wall at the height from the floor shown by means of the four screws.



3. Remove the card board protection.
4. Connect the wires to the specific terminals.
5. Configure the dip switches as shown in the "System installation and activation" section.

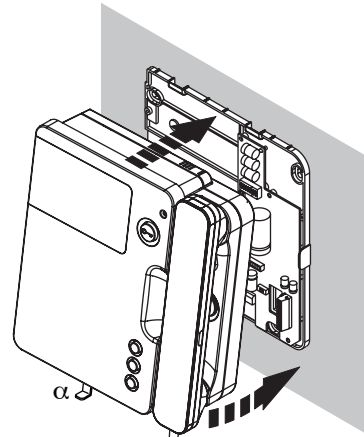
*Complete system installation and power the system up before fastening the video door phone to the bracket. Check that the yellow LED on the brackets is off. Otherwise proceed as follows:*

- Check correct setting of line terminal.
- Check programmed settings of apartment stations and brackets.
- Split the system up to isolate the part which generates video signal transmission and reception problems.

6. Extract the retainer hook  $\alpha$  and pulling the hook downwards.
7. Fasten the video door phone to the bracket as shown in the figure.

*The switch can be either in position "A" or in position "B" on video door phones.*

8. Fasten the video door phone by pushing the retainer hook  $\alpha$  upwards.





# SIGNO VIDEO DOOR PHONE



## TONE SELECTION ACCESSORIES FOR SIGNO VIDEO DOOR PHONES

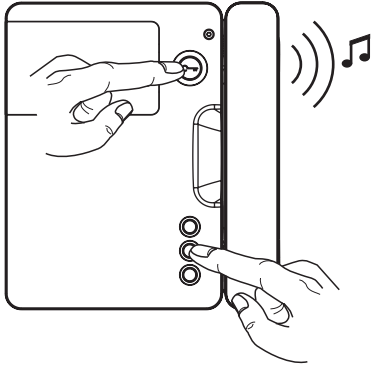
SIGNO VIDEO DOOR PHONE

### TONE SELECTION

Five tones can be selected on 2GO! system indoor stations. The tones can be programmed also by the end user by following the simple sequence below.

#### DOOR PHONE CALL TONE

- Hold the door opener button pressed. Press and release the button ●. The indoor station will play a tone.



- Hold the door opener button pressed and press the button ● again to change the tone.
- Release the door opener button when you have chosen the tone you want. The tone is now programmed.

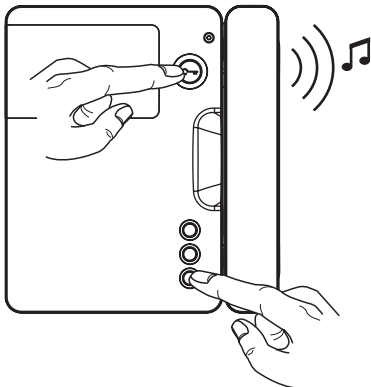
The selected tone will be the same for all door phone calls. The source of the call can however be distinguished by timing the tone:

Call origin	Time
Call from main door unit	3s ON
Call from secondary door unit	0,4s ON-0,2s OFF for 5 times
Intercom call	0,5s ON-0,5s OFF for 5 times

#### FLOOR CALL TONE

Five floor call tones can be selected on 2GO! system indoor stations. The tones can be programmed also by the end user by following the simple sequence below.

- Hold the door opener button pressed. Press and release the button ●. The indoor station will play a tone.



- Hold the door opener button pressed and press the button ● again to change the tone.
- Release the door opener button when you have chosen the tone you want. The tone is now programmed.

### PROGRAMMING DATA DELETION

Proceed as follows to delete all optional programming data:

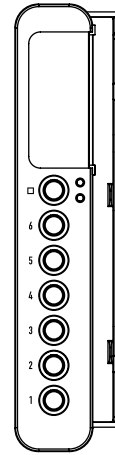
- Hold the door opener button pressed and pick up the handset.
- Press ● and ● at the same time for 3 seconds until you hear the deletion tone.
- Release buttons ● and ● and hang up.

### ACCESSORIES FOR SIGNO VIDEO DOOR PHONES

#### ADD-ON Ref. 1083/96

A special add-on module Ref. 1083/96 can be purchased separately and combined with basic monitors in intercom systems where up to 6 buttons, 2 LEDs and a switch are required.

#### FUNCTION



#### AUTOMATIC DOOR OPENER FUNCTION

This function can be switched on and off by means of the dedicated button □ on the Ref. 1083/96 add-on. The green LED will light up when the function is on. A door opener command is transmitted when a call from a door unit is received. Program this function on one of the indoor stations only if there are several indoor stations in parallel.

#### MASTER DOOR UNIT OPEN DOOR FUNCTION

The indoor stations can monitor the physical state of the Master door by connecting a sensor to the SP/GND terminals. The red LED on the Ref. 1083/96 will light up when the door is open.

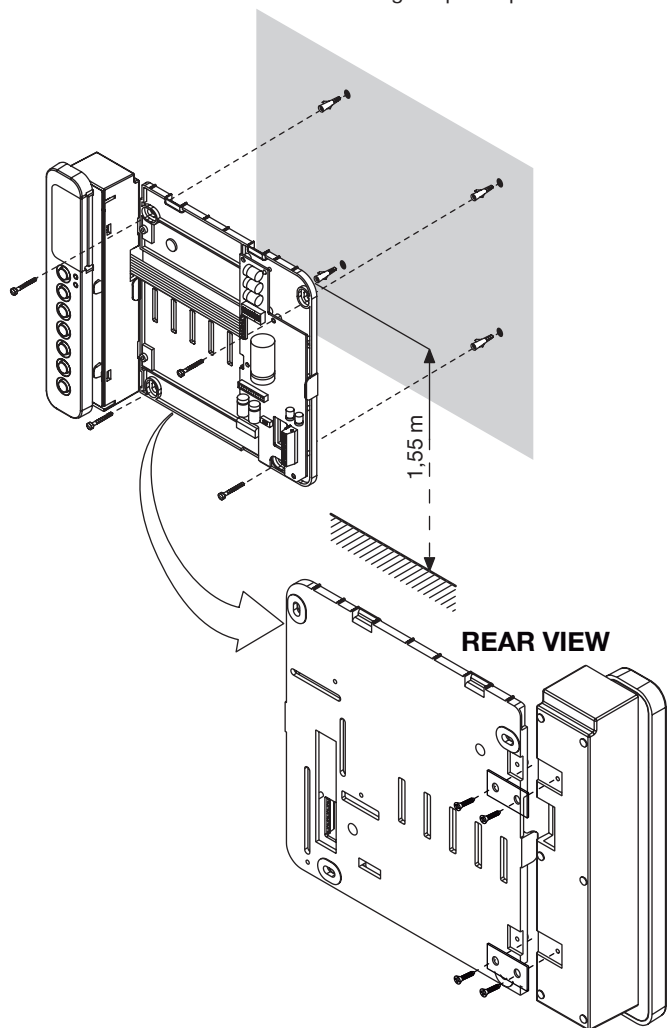
#### INTERCOM CALL FORWARDING

This function is similar to the basic function illustrated for the buttons. Six buttons can be programmed for managing the same number of calls.

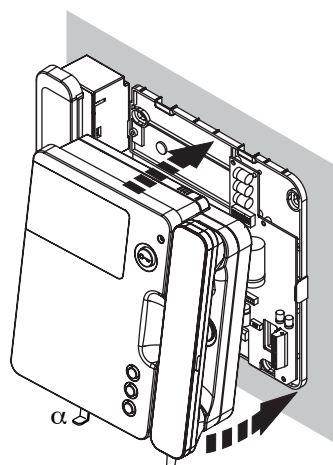


**INSTALLATION**

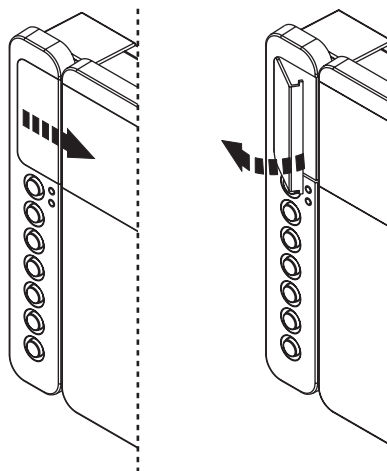
- Fasten the add-on to the bracket using the plates provided.



- Connect the flat wire provided to the video door phone bracket.
- Fasten the monitor to the bracket after connecting: extract fastening hook  $\alpha$  to fasten the monitor; fasten it to the bracket and block it by pushing the hook  $\alpha$  inwards.



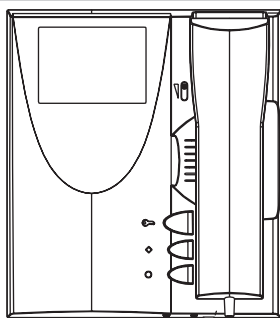
- Remove the clear plastic cover to access the name tags





## ARCO BLACK/WHITE VIDEO DOOR PHONE Ref. 1715/1

SPECIFICATIONS  
TECHNICAL SPECIFICATIONS

ARCO BLACK/WHITE VIDEO DOOR PHONE  
Ref. 1715/1

Besides its modern style, Arco is equipped with the best technology for image displaying, offering the best quality/price ratio. This video door phone can be used in any new architectural context and also to replace the previous models Artico and Sentry+. Arco can be surface mounted, avoiding masonry works for the flush mounting box and is provided with a 4" flat screen that reduces the wall level stick-out.



The video door phone Ref. 1715/17 is set up to a speaker capable interfacing with hearing aids by means of the "T" function.

## SPECIFICATIONS

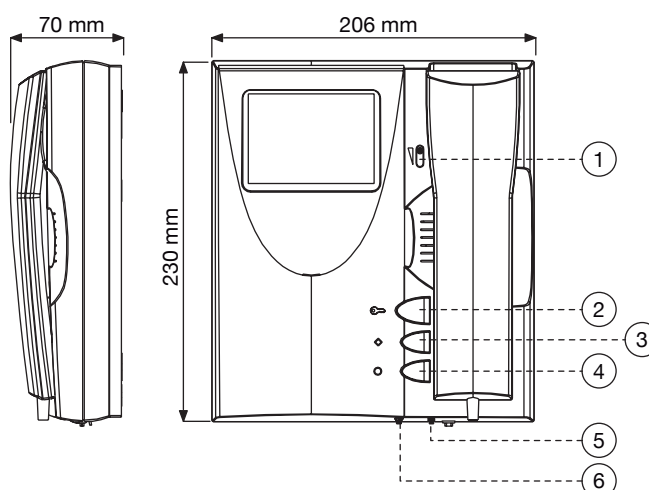
The main characteristics of the video door phone are:

- Flat 4" black and white video module.
- Call tone volume adjustment and call exclusion function (Mute). The Mute function is signalled by a red indicator on the front side.



When volume is set to "MUTE" the video door phone will not ring but the video module will light up.

- Door opener button dedicated.
- Additional buttons (◊, ○) for programming, auto power-on, special decoder activation for secondary electrical locks, staircase lights, etc.).
- Adjustable brightness and contrast.



- 1 Call volume control and adjustment
- 2 Door opener button
- 3 Auxiliary button: used for special functions
- 4 Auxiliary button: used for special functions
- 5 Brightness adjustment control
- 6 Contrast adjustment control

## TECHNICAL SPECIFICATIONS


Power voltage:	16 ÷ 18Vcc	
Working:	max 0,6A	
Working power:	max 10W	
CCIR version	Uptake:	
	Vertical frequency:	50Hz ± 2Hz
	Horizontal frequency:	15625 ± 300Hz
Video signal:		1Vpp 75Ω nominal
		1Vpp -6dB minimum
		4" flat 20mm neck
		P45
Kinescope:		vert. 5% max
Phosphorous:		horiz. 5% max
Geometric distortion:		barrel 10% max
		>100cd/m <sup>2</sup> max. setting
Brightness:		none
X-rays:		7 sec. max
Switch-on delay:		electret microphone
Transmitting capsule:		45Ω speaker
Receiving capsule:		24Veff. max
Button voltage:		1,2Aeff
Button current:		-5° ÷ +50°C
Operating temperature range:		90% UR
Max. humidity:		

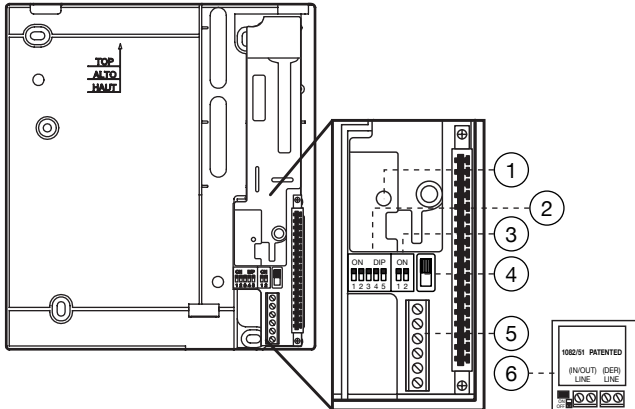
**ARCO BRACKET AND ONE-USER DISTRIBUTOR KIT Ref. 1705/701**

The Arco video door phone is supplied without bracket that must be purchased separately.

Kit Ref. 1705/701 including the following devices:

- System 2GO! bracket **Ref. 1705/82**
- One-user distributor **Ref. 1082/51**

 The one-user distributor must be installed only for video door phones connected in extension configuration. The distributor is not required with connections in in-out configuration.



- ① Yellow indicator LED
- ② User code dip switch (CODE)
- ③ Apartment internal code dip switch (INT)
- ④ Line terminal switch
- ⑤ Terminal board
- ⑥ One-user distributor

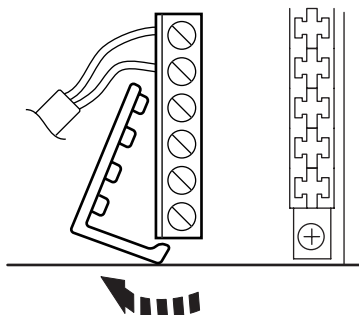
The bracket for Arco video door phones allows the following features:

- Easy installation and wiring.
- Conversation privacy among users.
- 5 types of dual-tone ringers (the installer can choose different tones for the door phone call or for the floor call).
- Not polarized video input.

**BRACKET TERMINAL BOARD**

- LINE } Non-polarised bus line
- S+ } Supplementary ringer connection positive
- S- } Supplementary ringer connection negative
- CP } Floor call button

To use the floor call or supplementary ringer function, remove the dedicated terminal protection and connect the respective wires.



**TECHNICAL SPECIFICATIONS Ref. 1705/701**

Max. bracket draw with monitor on:	<b>800mA</b>
Max. bracket draw in standby:	<b>11mA</b>
Working one-user distributor:	<b>8 ÷ 12mA</b>

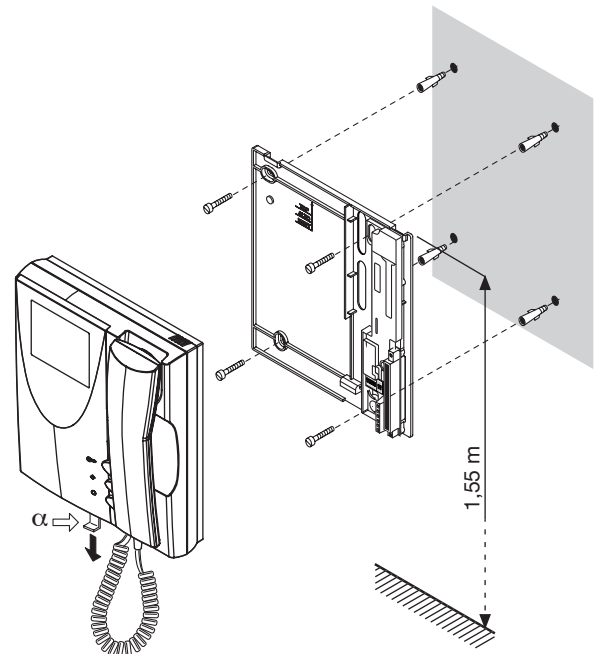
**DEFAULT PROGRAMMING**

User code:	<b>31</b>
Indoor station code:	<b>0</b>
Line termination:	<b>ON</b>


**INSTALLATION**

Proceed as follows to install the Arco Ref. 1715/1 video door phone and the respective bracket:

1. Arrange the duct so that it ends in correspondence with the input hole on the bracket.
2. Fasten the bracket to the wall at the height from the floor shown by means of the four screws.




3. Connect the wires to the specific terminals.
4. Configure the dip switches as shown in the "System installation and activation" section.

 Complete system installation and power the system up before fastening the video door phone to the bracket. Check that the yellow LED on the brackets is off. Otherwise proceed as follows:

- Check correct setting of line terminal.
- Check programmed settings of apartment stations and brackets.
- Split the system up to isolate the part which generates video signal transmission and reception problems.

5. Extract the retainer hook  $\alpha$  and pulling the hook downwards.
6. Fasten the video door phone to the bracket as shown in the figure.

 The switch can be either in position "A" or in position "B" on video door phones.

7. Fasten the video door phone by pushing the retainer hook  $\alpha$  upwards.

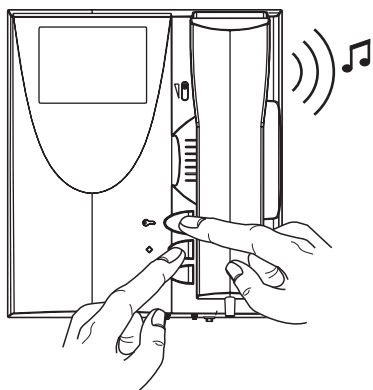


## TONE SELECTION

Five tones can be selected on 2GO! system indoor stations. The tones can be programmed also by the end user by following the simple sequence below.

### DOOR PHONE CALL TONE

1. Hold the door opener button pressed. Press and release the button  $\diamond$ . The indoor station will play a tone.
2. Hold the door opener button pressed and press the button  $\diamond$  again to change the tone.
3. Release the door opener button when you have chosen the tone you want. The tone is now programmed.

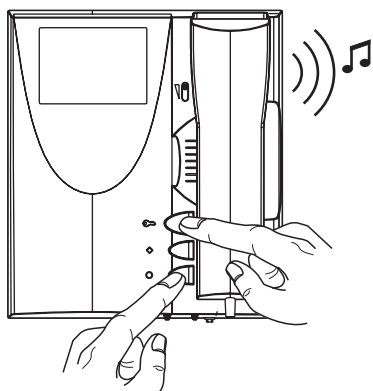


The selected tone will be the same for all door phone calls. The source of the call can however be distinguished by timing the tone:

Call origin	Time
Call from main door unit	3s ON
Call from secondary door unit	0,4s ON-0,2s OFF for 5 times
Intercom call	0,5s ON-0,5s OFF for 5 times

### FLOOR CALL TONE

1. Hold the door opener button pressed. Press and release the button  $\circ$ . The indoor station will play a tone.
2. Hold the door opener button pressed and press the button  $\circ$  again to change the tone.
3. Release the door opener button when you have chosen the tone you want. The tone is now programmed.



The floor call timing is fixed (3 seconds).

## PROGRAMMING DATA DELETION

Proceed as follows to delete all optional programming data:

1. Hold the door opener button pressed and pick up the handset.
2. Press  $\diamond$  and  $\circ$  on the video door phone at the same time for 3 seconds until you hear the deletion tone.
3. Release buttons and hang up.