PANELS
Domus-Aura

DOOR PHONE SYSTEMS
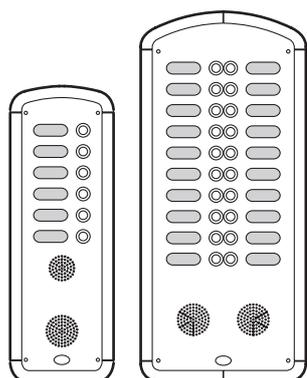
VIDEO DOOR PHONE SYSTEMS
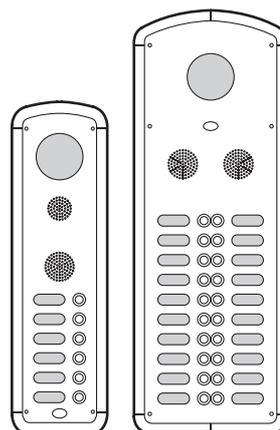
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Section   Pag.

DOMUS AURA ARTISTIC PANEL

DOMUS AURA ARTISTIC PANEL

ELECTRICAL AND MECHANICAL SPECIFICATIONS - CONFIGURATION - PANELS

DOMUS AURA ARTISTIC PANEL

Domus Aura artistic panel combines elegant design and top quality materials. The front plate is made of "super mirror" finish stainless steel. The frames, buttons and name tags and made of ion-treated brass (PVD) to prevent oxidation and make the device weatherproof. Two versions are available: one row (from 1 to 6 buttons) and two rows (from 4 to 20 buttons).
The panels in this range can be used in door phone and video door phone systems; they are suitable for retrofitting existing systems.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

Faceplate protrusion from wall:	**9 mm**
Flush-mounting depth	
(1 or 2 button video door phone configuration):	**56mm**
Flush-mounting depth (other configurations):	**55mm**
Front treatment:	**"super mirror" stainless steel**
Frame and button treatment:	**ion-plated brass**
Urmet trademark:	**on front plate**
Total pushbutton stroke:	**>4 mm**
Pushbutton free stroke:	**>2,4 mm**
Isolation voltage between contacts	
(1 or 2 button video door phone configuration):	**63Vac**
Isolation voltage between contacts (other configurations):	**500Vac**
Max. break current:	**2 Aac**
Name tag lighting:	**green LED diodes**
Temporary name tags:	**Plexiglas**
Max. conductor cross-section for	
button and lighting terminals:	**1.5 mm²**
Corrosion:	**As per DIN 5342/64**
Test duration:	**16 hours**
Temperature:	**35°C**

WARNING: do not use brass cleaners! Polish with a soft dry cloth.

CONFIGURATION

Domus Aura artistic panel may be used:
- to make new 4+n wire (with traditional or electronic call) and 1+1 wire door phone systems;
- to make new coax and 5 wire video door phone systems;
- to retrofit existing door phone systems fitting 625 aluminium or 625-A artistic panels;
- to retrofit coax video door phone systems fitting Kombi panels with 1 or 2 call buttons.

All versions are complete with:
- Flush-mounting box with green LED diode name tag lights
- Brass and temporary name tags
- Tamperproof screws and screwdriver.

PANELS

All Domus Aura panels are provided with door unit set-up. The following models are available:

Door phone panels with one row of buttons:

With 1 call button (*)	**Ref. 1110/101**
With 3 call buttons (*)	**Ref. 1110/102**
With 3 call buttons	**Ref. 1110/103**
With 4 call buttons	**Ref. 1110/104**
With 5 call buttons	**Ref. 1110/105**
With 6 call buttons	**Ref. 1110/106**

Door phone panels with two rows of buttons:

With 4 call buttons	**Ref. 1110/204**
With 6 call buttons	**Ref. 1110/206**
With 8 call buttons	**Ref. 1110/208**
With 10 call buttons	**Ref. 1110/210**
With 12 call buttons	**Ref. 1110/212**
With 14 call buttons	**Ref. 1110/214**
With 16 call buttons	**Ref. 1110/216**
With 18 call buttons	**Ref. 1110/218**
With 20 call buttons	**Ref. 1110/220**

Video door phone panels with one row of buttons:

With 1 call button (**)	**Ref. 1710/101**
With 2 call buttons (**)	**Ref. 1710/102**
With 3 call buttons	**Ref. 1710/103**
With 4 call buttons	**Ref. 1710/104**
With 5 call buttons	**Ref. 1710/105**
With 6 call buttons	**Ref. 1710/106**

Video door phone panels with two rows of buttons:

With 4 call buttons	**Ref. 1710/204**
With 6 call buttons	**Ref. 1710/206**
With 8 call buttons	**Ref. 1710/208**
With 10 call buttons	**Ref. 1710/210**
With 12 call buttons	**Ref. 1710/212**
With 14 call buttons	**Ref. 1710/214**
With 16 call buttons	**Ref. 1710/216**
With 18 call buttons	**Ref. 1710/218**
With 20 call buttons	**Ref. 1710/220**

Possible configurations: (*) "4+n" wire door phone systems only; (**) coax video door phone systems only.

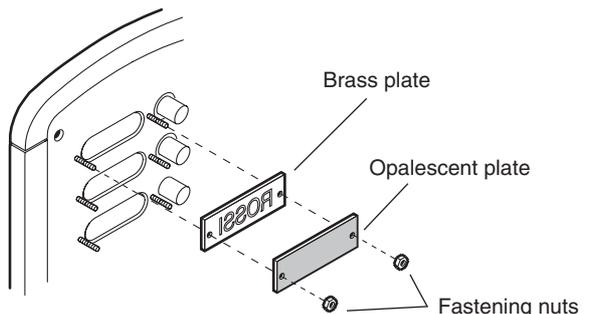## NAME PLATE ASSEMBLY

Domus Aura artistic panels are provided with two types of name tags: cardboard tags for temporary installation and brass tags for permanent installation. Fit the tags as shown below:

**Temporary name plate assembly**

Glass — Temporary name plate — Opalescent plate — Fastening nuts
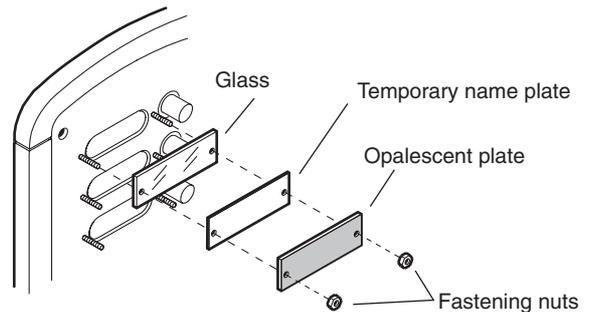
Permanent tag fitting procedure

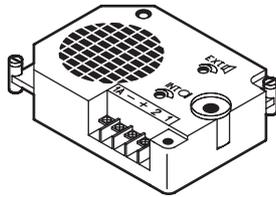Brass plate — Opalescent plate — Fastening nuts

DOMUS AURA ARTISTIC PANEL

Security screws assembly

At the end of the installation procedure, fix the front of the panel to the flush-mounting box using the tamper-proof screws and the special screwdriver.

Plastic washer

Tool

Security screw
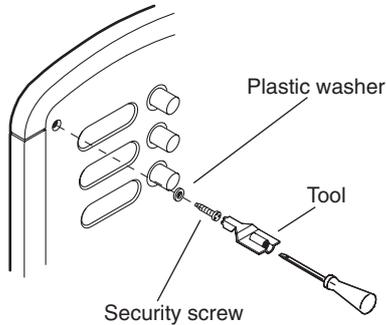
DOOR UNITS FOR 4+N WIRE SYSTEMS

Door unit Ref. 5150/500

The amplified door unit Ref. 5150/500 is normally used in Domus Aura artistic panels for making "4+n" wire door phone systems and coax video door phones with more than two call buttons.

DESCRIPTION OF TERMINALS

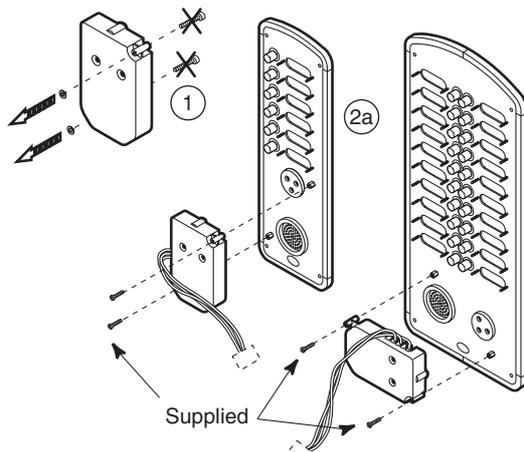|		
⊘	1 A	Electronic voice out (from speaker to door phone)
⊘	-	Door unit power negative
⊘	+	Door unit power positive
⊘	1	Traditional voice out (from speaker to door phone)
⊘	2	Voice in (from microphone to door phone)

Note: *use terminal "1A" in systems with Mod. 1131, 1132 and 1133 (Atlantico) door phones and terminal "1" for Mod. 1130 door phones.*

FITTING THE DOOR UNIT
Proceed as follows to fit the door unit Ref. 5150/500:
1. Remove the screws from the door unit.
2. Fasten the device to the plate as shown in figures 2a and 2b using the screws provided with the panel.
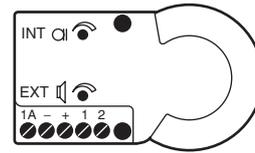
Fitting in door phone panels with 1 and 2 rows of buttons

Supplied

Fitting in video door phone panels with 1 and 2 rows of buttons

2b

Supplied

Door Unit Ref. 824/500

INT
EXT
1A   -   +   1   2
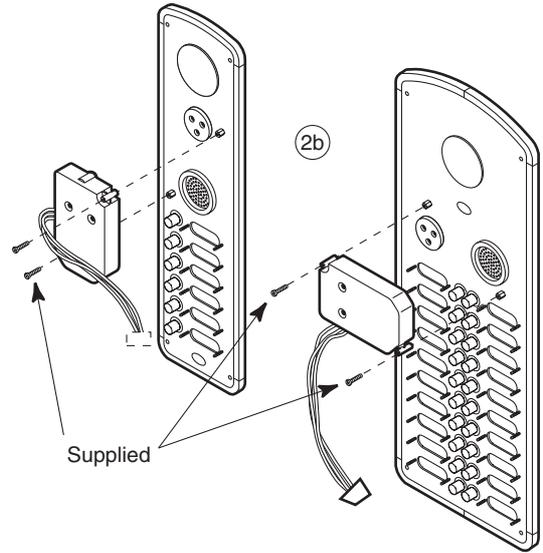
The amplified door unit Ref. 824/500 must be used in coax video door phone panels with 1 and 2 call buttons (Ref. 1710/101 and Ref. 1710/102).
This characteristics of this device are similar to those of the Ref. 5150/500; this device is more compact and suitable for application in smaller spaces.

DESCRIPTION OF TERMINALS

⊘	1 A	Electronic voice out (from speaker to door phone)
⊘	-	Door unit power negative
⊘	+	Door unit power positive
⊘	1	Traditional voice out (from speaker to door phone)
⊘	2	Voice in (from microphone to door phone)

Note: *use terminal "1A" in systems with Mod. 1131, 1132 and 1133 (Atlantico) door phones and terminal "1" for Mod. 1130 door phones.*
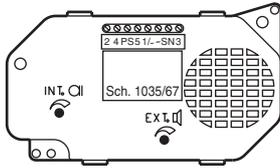
FITTING THE DOOR UNIT
Apply the door unit in the housing on the front of the panel using the screws provided for fastening.

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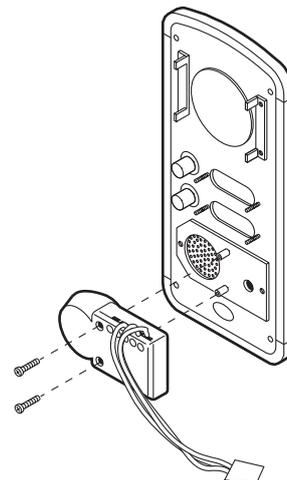
DOOR UNITS FOR "1+1" WIRE SYSTEMS

Door unit Ref. 1035/67

Fit door unit Ref. 1035/67 in the panel for speak-and-listen service in "1+1" wire door phone systems and 5 wire video door phone systems.

Note: *This type of door unit may be installed only in panels with more than 2 buttons.*

DESCRIPTION OF TERMINALS

|		
⊘	2	Electrical lock control
⊘	4	Voice (conversation privacy device power)
⊘	PS	Tone generator output
⊘	5	(Electrical lock emergency relay control)
⊘	1/~	Door unit power earth
⊘	~	Door unit power
⊘	SN	Video power on for video door phone systems
⊘	3	Call buzzer (for 1130 door phones)

FITTING THE DOOR UNIT
Fit the door unit in the housing according to the panel model as shown in the following figures.
Fasten the door unit with the screws provided.

Fitting in door phone panels with 1 and 2 rows of buttons

Supplied

Fitting in video door phone panels with 1 and 2 rows of buttons

Supplied
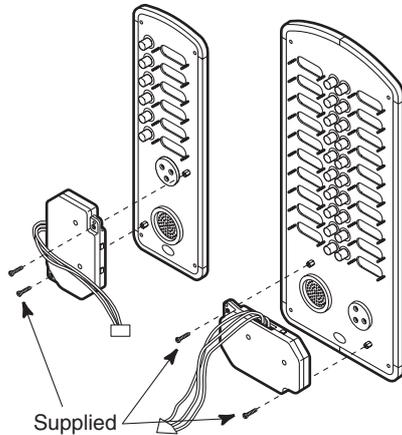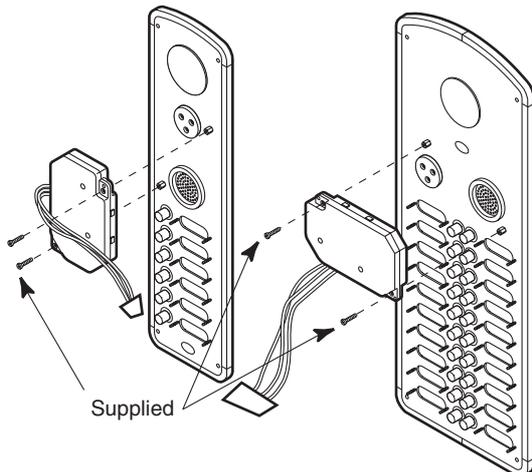
AMPLIFICATION ADJUSTMENT

All loudspeaking units use two separate integrated circuits for amplification towards the outside and towards the inside and an electret microphone as transmitter unit.
Amplification in the two directions can be adjusted by means of two potentiometers accessible when the panel is open.
Transmission levels are calibrated at the factory. For this reason, they should only be adjusted when absolutely necessary (e.g. to eliminate Larsen feedback). In these cases, turn the volume adjustment potentiometer outwards to avoid worsening acoustic balance.
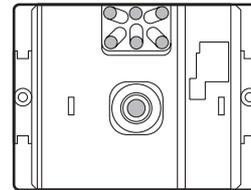
In order to adjust the external volume:
- turn the potentiometer **EXT**. ◁) clockwise to increase volume, counterclockwise to decrease it.

In order to adjust the internal volume:
- turn the potentiometer **INT**. ◯) clockwise to increase volume, counterclockwise to decrease it.

ADJUSTABLE CCD TV CAMERA UNIT FOR ARTISTIC BRASS PUSH BUTTON PANELS Ref. 1810/70


Easy to insert and extract from the front of the panel, the camera unit comprises the following components:
- fixed focus camera with built-in optics and shutter;
- possibility of adjusting camera lens vertically and horizontally;
- set of infrared LEDs for illuminating the subject;
- extractable connection terminal board.

TECHNICAL SPECIFICATIONS

Power voltage:	**18 Vcc Max.**
Maximum uptake:	**300 mA Max.**
Image sensor:	**CCD 1/3"**
Lens:	**standard**
Shutter:	**standard**
Focus:	**fixed**
Minimum light for acceptable pictures:	**0,2 Lux min.**
	5 Lux recommended
Coax video output:	**1Vpp composite**
Operating temperature range:	**from -10 to 50°C**

## CAMERA UNIT Ref. 1810/70 ASSEMBLY IN ARTISTIC VIDEO DOOR PHONE PANEL FRONT
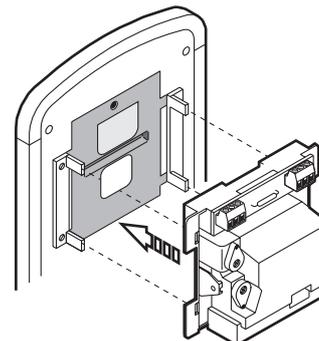
- Remove the extractable terminal strips from the TV camera unit module and connect these to the respective conductors coming from the system

DOMUS AURA ARTISTIC PANEL

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CAMERA ADAPTER Ref. 1742/13A FOR 5 WIRE SYSTEMS

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DOMUS AURA ARTISTIC PANEL

PANELS

- Insert the door unit module in the dedicated housings.
- Insert the terminal strips in the respective housings of the of the TV camera unit and fasten the front panel to the embedding box.

DESCRIPTION OF TERMINALS

⊘	+TC	Camera power positive
⊘	R1	Camera power negative
⊘	V5	Video signal earth
⊘	V3	Video signal

IMAGING ANGLES

HORIZONTAL

VERTICAL
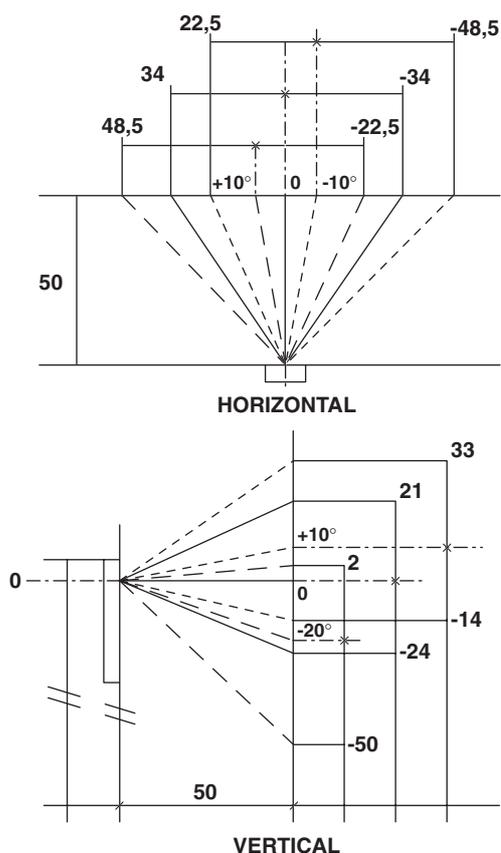
Measurements in centimetres

CAMERA LENS DIRECTION ADJUSTMENT

With this TV camera unit, it is possible to adjust the direction of the TV camera lens inside it using the specific adjustment screws A and B in order to overcome any installation flaws.
The adjustment along the vertical axis in relation to the position set is 10 ° up and 20 ° down.
Adjustment along the horizontal axis in relation the position set is 10 ° in both directions (left -right).

**Orientation along the vertical axis**
Turning screw A:
- in a clockwise direction (to the right) moves the pick-up field towards the top of the screen;
- in a counterclockwise direction (to the left) moves the pick-up field towards the bottom of the screen.

**Orientation along the horizontal axis**
Turning screw B:
- in a clockwise direction (to the right) moves the pick-up field towards the left the screen;
- in a counterclockwise direction (to the left) moves the pick-up field towards the right of the screen.
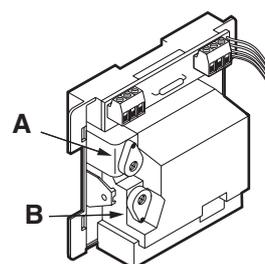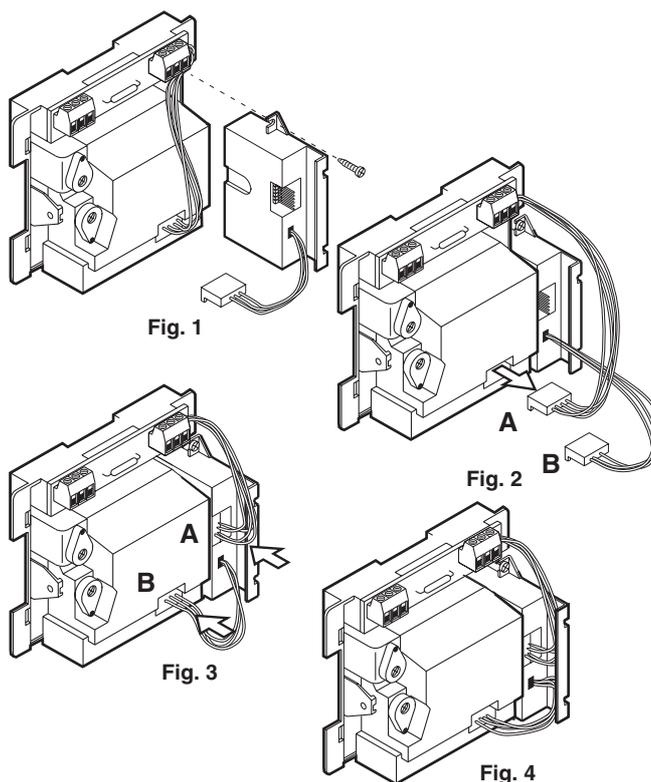

CAMERA ADAPTER Ref. 1742/13A FOR 5 WIRE SYSTEMS

The device is used in 5 wire and Bibus digital video door phone systems and to retrofit Kombi systems (825).
It transforms the composite video signal from the camera into two different video signals (A and B).
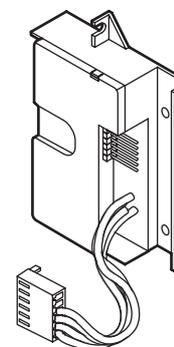

ADAPTER INSTALLATION

1. Insert the adapter device to the side of the TV camera unit and secure it with the screw provided (Fig. 1).
2. Remove connector **A** from the TV camera module (Fig. 2)
3. Insert connector **A** in the coupling of the device and connector **B** in the coupling of the TV camera (Fig. 3).
4. Position the conductors inside the groove of the device (Fig. 4).

Fig. 1

Fig. 2

Fig. 3

Fig. 4

DOMUS AURA ARTISTIC PANEL

CONVERSATION PRIVACY DEVICE FOR "1+1" WIRE SYSTEMS Ref. 1110/74
CONVERSATION PRIVACY DEVICE FOR "4+n" WIRE SYSTEMS Ref. 5330/60

CONVERSATION PRIVACY DEVICE FOR "1+1" WIRE SYSTEMS Ref. 1110/74
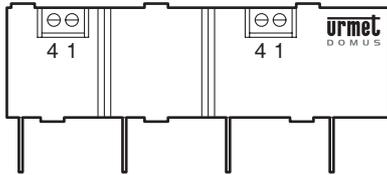
The conversation privacy boards Ref. 1110/74 must be joined inside in Domus Aura panels in 1+1 door phone systems and 5 wire video door phone systems.
These boards separate the call and voice circuits employing the same wire.

Each conversation privacy board is provided for 4 buttons.
It can also be used for 2 and 3 button configurations: break the printed circuit in the pre-cut area in this case.

NOTE: *The device may only be installed in panels with more than 2 buttons.*

CONVERSATION PRIVACY DEVICE INSERTION

1. Remove the name tag lighting circuits after removing the screws fastening them to the plastic supports.
2. Fasten the device terminals to the buttons terminals on the flush-mounting box.
3. Connect the wires to the terminals boards.
4. Re-arrange the name tag lighting circuits on the supports and complete system connections.
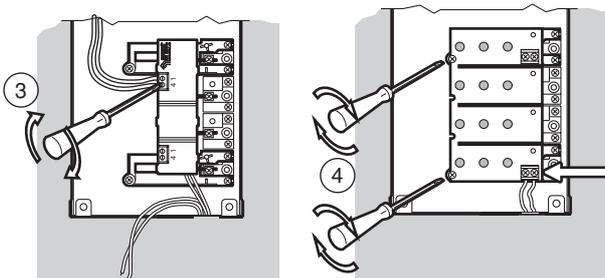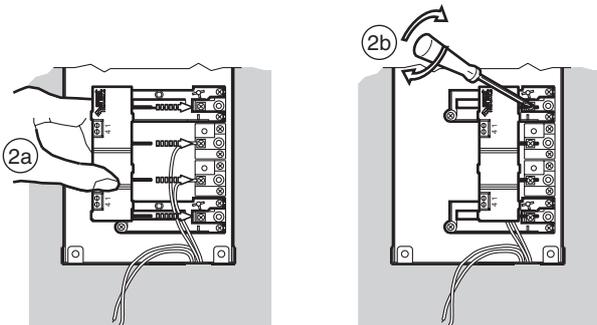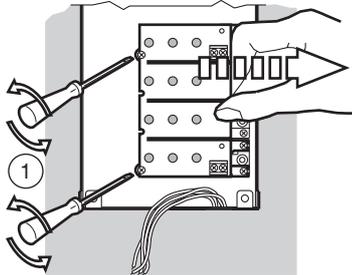
## CONVERSATION PRIVACY DEVICE FOR "4+n" WIRE SYSTEMS Ref. 5330/60
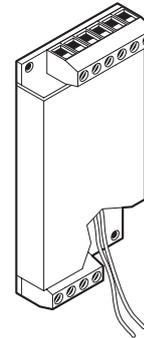
This device is used for conversation privacy function in 4+n door phone systems and coax video door phone systems, only.
Fit device Ref. 1131/5 in each 1131 or 1132 door phone for the function; fit the video door phones on the specific conversation privacy bracket (Ref. 1202/95 for Winflat+ or Ref. 1704/95 for Sentry+).

The device shuts down privacy from previous calls and consequently ensures total privacy also if a door phone is forgotten off hook.

All devices are normally deactivated (no conversation is heard when the handset is picked up): only the device called by the panel may start a conversation with the caller; no other device can take or intercept the call.

The device must be fastened to the flush-mounting box with the strip of two-sided adhesive tape provided.


Two-side adhesive tape provided

Ref. 5330/60

DOMUS AURA ARTISTIC PANEL
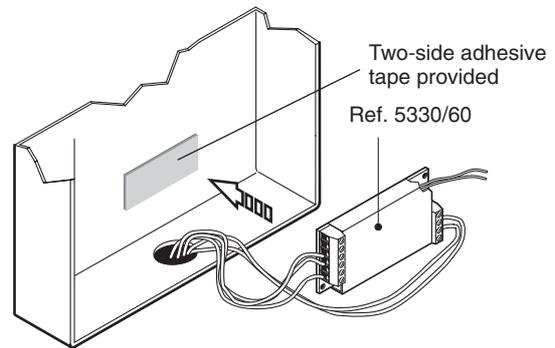
PANELS

DOMUS AURA PANEL INSTALLATION

- Arrange the hole (either on the side or bottom of the flush-mounting box) to let the wires through.
- Protect the front frame fastening holes with the adhesives provided.
- Fit the flush-mounting box in the wall as shown below.

HEIGHT FOR DOOR PHONE SYSTEMS

**HEIGHT FOR VIDEO DOOR PHONE SYSTEMS**

1,30m

1,60 ÷1,65m

max 3 mm.
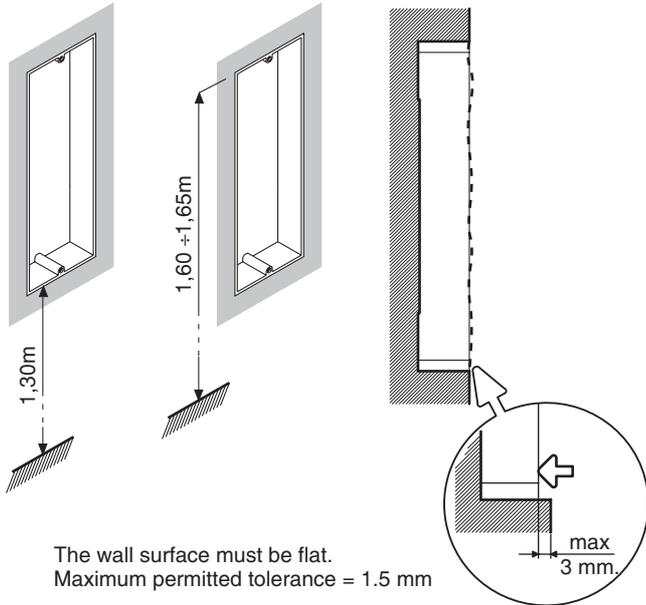
The wall surface must be flat.
Maximum permitted tolerance = 1.5 mm

- Connect the panel wiring according to the following procedure:
  1) Loosen printed circuit fastening screws.
  2) Remove printed circuit from supports.
  3) Connect wires to respective button terminals.
  4) Reposition printed circuit and fasten with the previously loosened screws.
  5) Connect power wires (~12) to printed circuit.
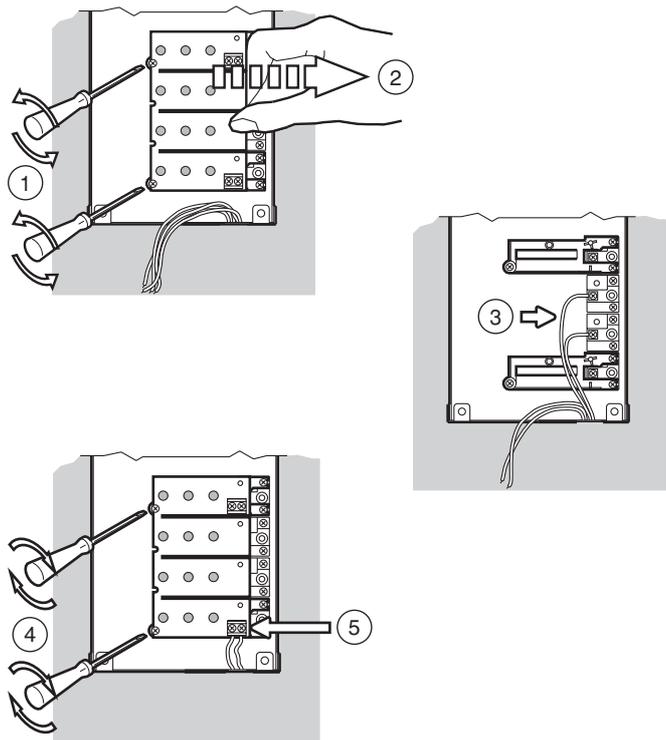
- Fasten the door unit and the camera (where relevant) to the front frame; make the electrical connections required.
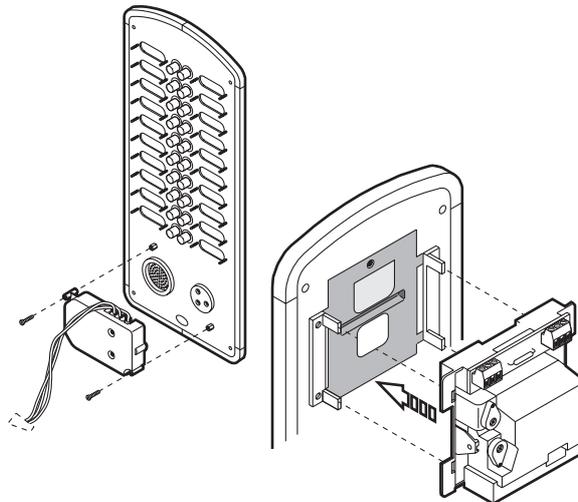
- Fasten the front to the embedding box with the security screws and washers provided.
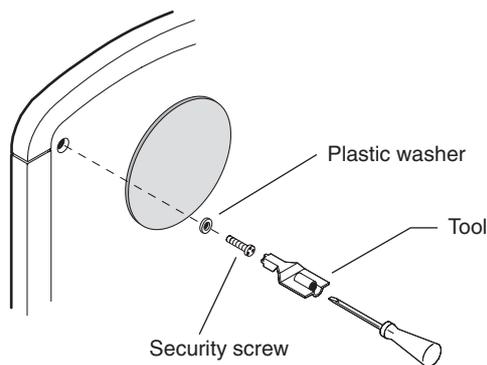
Plastic washer

Tool

Security screw

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DOMUS AURA ARTISTIC PANEL

DIMENSIONS

ARTISTIC DOOR PHONE PUSH-BUTTON PANEL

CODE	DESCRIPTION		Front dimensions (mm)		Embedding box dimensions (mm)		
	Artistic door phone push-button panel		L1	H1	L2	H2	P2
	Buttons	Risers					
1110/101	1	1	120	260	89	214	55
1110/102	2	1					
1110/103	3	1		306		256	
1110/104	4	1	135	334	110	284	55
1110/105	5	1		362		312	
1110/106	6	1		390		340	
1110/204	4	2		292		228	
1110/206	6	2					
1110/208	8	2		348		284	
1110/210	10	2					
1110/212	12	2	216	376	186	312	55
1110/214	14	2		404		340	
1110/216	16	2		432		368	
1110/218	18	2		460		396	
1110/220	20	2		488		424	
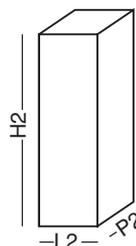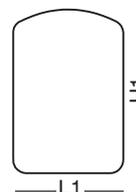
ARTISTIC VIDEO DOOR PHONE PUSH-BUTTON PANEL

CODE	DESCRIPTION		Front dimensions (mm)		Embedding box dimensions (mm)		
	Artistic video door phone push-button panel		L1	H1	L2	H2	P2
	Buttons	Risers					
1710/101	1	1	125	250	118	204	56
1710/102	2	1					
1710/103	3	1		390		340	
1710/104	4	1	135	418	110	368	55
1710/105	5	1		446		396	
1710/106	6	1		474		424	
1710/204	4	2		376		312	
1710/206	6	2		404		340	
1710/208	8	2		432		368	
1710/210	10	2		460		396	
1710/212	12	2	216	488	186	424	55
1710/214	14	2		516		452	
1710/216	16	2		544		480	
1710/218	18	2		572		508	
1710/220	20	2		600		536	
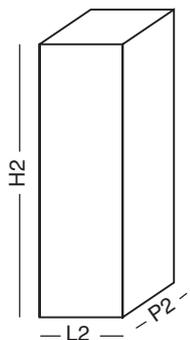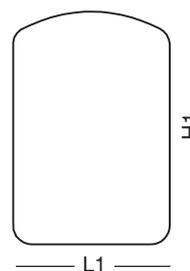
DOMUS AURA ARTISTIC PANEL
DOOR PHONE SYSTEMS

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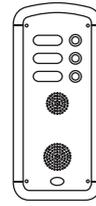**D O M U S**

EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES

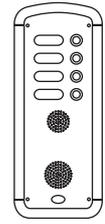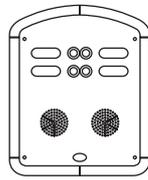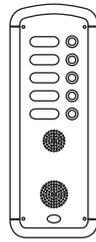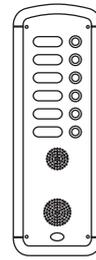|		**1**	**2**	**3**	**4**
	Panel with door unit set-up	1110/101	1110/102	1110/103	1110/104
4+n WIRE	Door unit	5150/500	5150/500	5150/500	5150/500
1+1 WIRE	Door unit	Not possible	Not possible	1035/67	1035/67
	Conversation privacy device	Not possible	Not possible	1110/74	1110/74

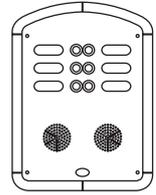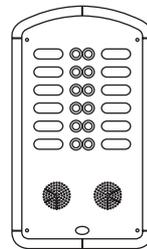|		**4**	**5**	**6**	**6**
	Panel with door unit set-up	1110/204	1110/105	1110/106	1110/206
4+n WIRE	Door unit	5150/500	5150/500	5150/500	5150/500
1+1 WIRE	Door unit	1035/67	1035/67	1035/67	1035/67
	Conversation privacy device	1110/74	2 x 1110/74	2 x 1110/74	2 x 1110/74
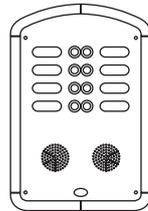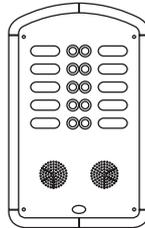
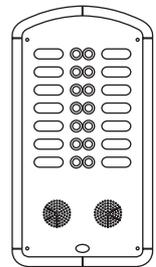|		**8**	**10**	**12**	**14**
	Panel with door unit set-up	1110/208	1110/210	1110/212	1110/214
4+n WIRE	Door unit	5150/500	5150/500	5150/500	5150/500
1+1 WIRE	Door unit	1035/67	1035/67	1035/67	1035/67
	Conversation privacy device	2 x 1110/74	3 x 1110/74	3 x 1110/74	4 x 1110/74
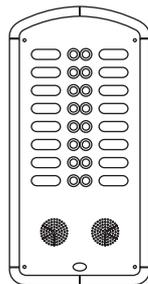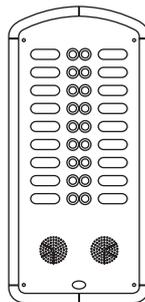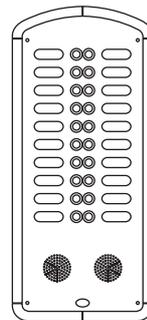
		16	**18**	**20**
	Panel with door unit set-up	1110/216	1110/218	1110/220
4+n WIRE	Door unit	5150/500	5150/500	5150/500
1+1 WIRE	Door unit	1035/67	1035/67	1035/67
	Conversation privacy device	4 x 1110/74	5 x 1110/74	5 x 1110/74

DOMUS AURA ARTISTIC PANEL
VIDEO DOOR PHONE SYSTEMS

Domus-Aura

EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES
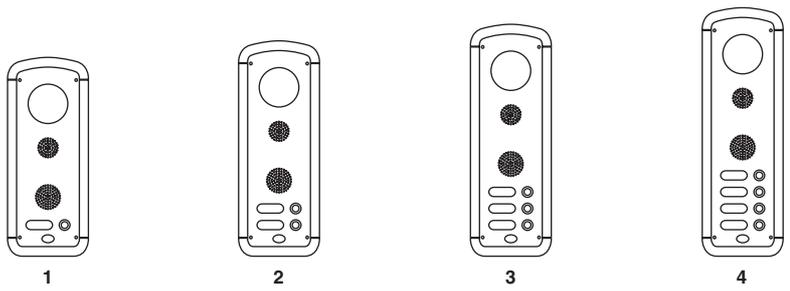
		1	**2**	**3**	**4**
	Panel with door unit set-up	1710/101	1710/102	1710/103	1710/104
	Camera unit	1810/70	1810/70	1810/70	1810/70
WIRE COAX SYSTEM	Door Unit	824/500	824/500	824/500	824/500
5 WIRE	Video signal adapter	Not possible	Not possible	1742/13A	1742/13A
	Door Unit	Not possible	Not possible	1035/67	1035/67
	Conversation privacy device	Not possible	Not possible	1110/74	1110/74
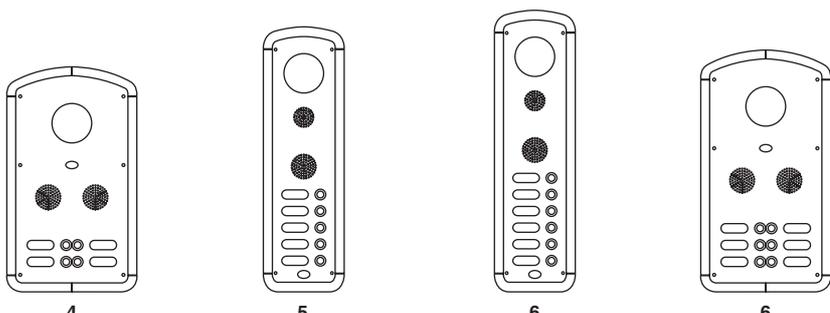
|		**4**	**5**	**6**	**6**
	Panel with door unit set-up	1710/204	1710/105	1710/106	1710/206
	Camera unit	1810/70	1810/70	1810/70	1810/70
WIRE COAX SYSTEM	Door Unit	824/500	824/500	5150/500	5150/500
5 WIRE	Video signal adapter	1742/13A	1742/13A	1742/13A	1742/13A
	Door Unit	1035/67	1035/67	1035/67	1035/67
	Conversation privacy device	1110/74	2 x 1110/74	2 x 1110/74	2 x 1110/74
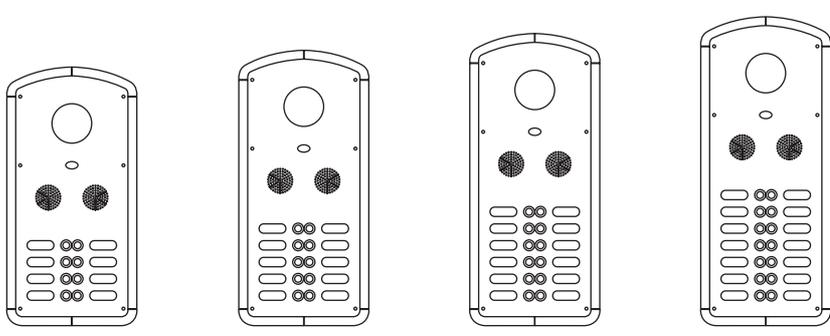
		8	**10**	**12**	**14**
	Panel with door unit set-up	1710/208	1710/210	1710/212	1710/214
	Camera unit	1810/70	1810/70	1810/70	1810/70
WIRE COAX SYSTEM	Door Unit	824/500	824/500	5150/500	5150/500
5 WIRE	Video signal adapter	1742/13A	1742/13A	1742/13A	1742/13A
	Door Unit	1035/67	1035/67	1035/67	1035/67
	Conversation privacy device	2 x 1110/74	3 x 1110/74	3 x 1110/74	4 x 1110/74

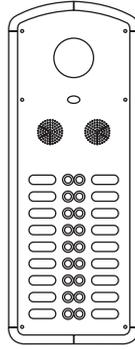# DOMUS AURA ARTISTIC PANEL
VIDEO DOOR PHONE SYSTEMS

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DOMUS

EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES
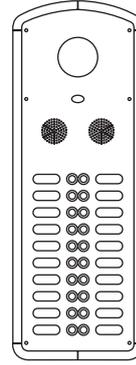
		16	**18**	**20**
	Panel with door unit set-up	1710/216	1710/218	1710/220
	Camera unit	1810/70	1810/70	1810/70
WIRE COAX SYSTEM	Door Unit	824/500	824/500	5150/500
5 WIRE	Video signal adapter	1742/13A	1742/13A	1742/13A
	Door Unit	1035/67	1035/67	5 x 1035/67
	Conversation privacy device	4 x 1110/74	5 x 1110/74	1110/74

RETROFITTING ALUMINIUM PANELS Mod. 625 AND ARTISTIC PANELS Mod. 625/A

The Domus-Aura door phone 1-2 rows front can be fi tted in systems with aluminium push-button panels Mod. 625 or artistic push-button panels Mod. 625-A using the same products in the system.
The following table shows the correspondence between various panels given the same number of buttons and rows..
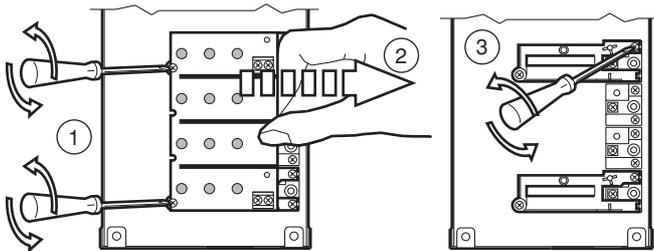
		Push-button panel		
Risers	Buttons	Domus Aura	625	Artistiche Mod. 625A
1	1	1110/101	7708/1	7881/1
	2	1110/102	7708/2	7881/2
	3	1110/103	7701/3	7881/3
	4	1110/104	7701/4	7881/4
	5	1110/105	7701/5	7881/5
	6	1110/106	7701/6	7881/6
2	4	1110/204	7702/4	7882/4
	6	1110/206	7702/6	7882/6
	8	1110/208	7702/8	7882/8
	10	1110/210	7702/10	7882/10
	12	1110/212	7702/12	7882/12
	14	1110/214	7702/14	7882/14
	16	1110/216	7702/16	7882/16
	18	1110/218	7702/18	7882/18
	20	1110/220	7702/20	7882/20

☐ replacement is possible only in 4+n systems without conversation privacy.

INSTALLATION

1 ROW PANEL FLUSH-MOUNTING BOX

1) Remove the bulb holders from the walled embedding box after disconnect the wires from the terminals.
2) Remove the button light printed circuit from the flush-mounting box provided with the Domus Aura panel as shown in the drawings and fasten in the walled flush-mounting box..
3) Connect the wires from the system to the call button terminals.
4) Fasten the light printed circuit to the supports as shown in the drawings and connect power wires.

2 ROW PANEL FLUSH-MOUNTING BOX

1) Remove the plate and buttons from the walled embedding box after disconnecting the wires from the terminals as shown in the drawing.
2) Replace with that in the embedding box provided with the push-button panel.
3) Connect the call button terminals and the light printed circuit.
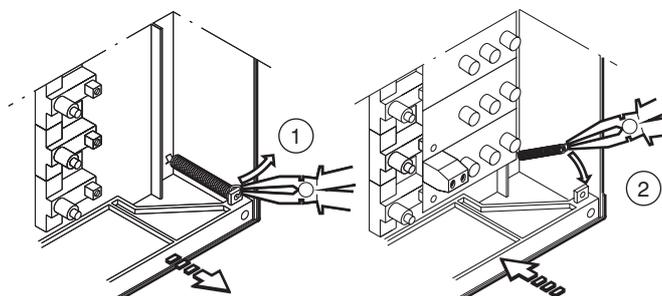
DOOR UNIT

1) Remove the door unit walled embedding box without disconnecting the terminal wires.
2) Remove the two door unit fastening columns from the walled flush-mounting box with the help of a tool.
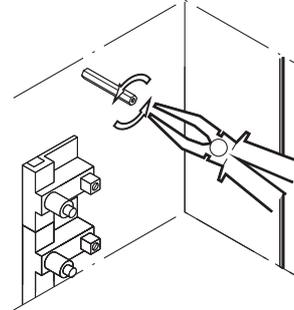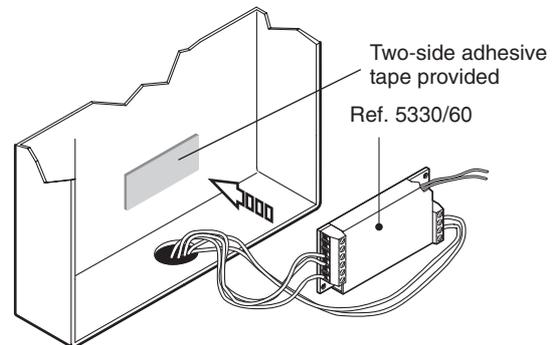

DOMUS-AURA DOOR PHONE PUSH-BUTTON PANEL FRONT

Proceed as follows after inserting the name plates:
1) Fasten the door unit to the front as shown in the drawing, using the screws provided with the push-button panel.
2) Fasten the front to the embedding box with the security screws and washers provided (see figure).

Plastic washer
Tool
Supplied
Security screw
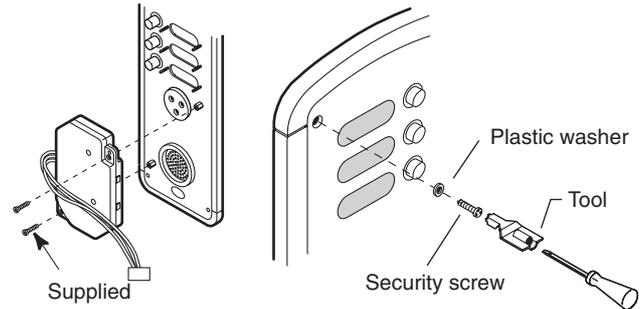
RETROFITTING ON 4+N DOOR PHONE SYSTEMS WITH PRIVACY FUNCTION

For retrofitting 4+n door phone systems with conversation privacy Ref. 5330/60, fasten the device to the box using the strip of two-sided adhesive tape provided.

Two-side adhesive tape provided
Ref. 5330/60

DOMUS AURA ARTISTIC PANEL *(vertical left margin)*

PANELS *(vertical left margin)*

## RETROFITTING COAX 2 MODULE KOMBI VIDEO PANELS

The Domus Aura 1-2 button panel front (ref. 1710/101-/102) can be fitted in coax systems with Kombi panels of equal capacity using the products present in the system.
Proceed as follows.

INSTALLATION

EMBEDDING BOX

1) Remove the button light printed circuit support from the embedding box provided with the push-button panel.
2) Drill a hole (diameter 2 mm as shown in the drawings, if not present) in the previously walled embedding box and fasten the button light printed circuit with the screw previously used in the embedding box provided.
3) Fasten the printed circuit to the support as shown in the drawing and connect to the system.
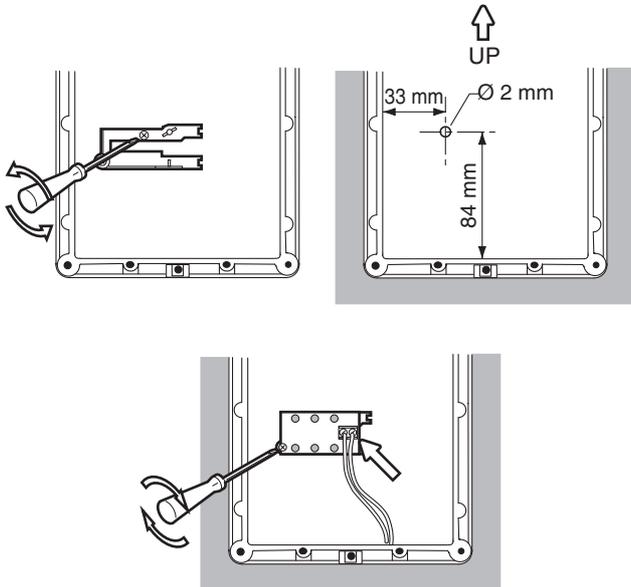
DOOR UNIT

1) Loosen the screws fastening the door unit to the button module to allow removal without disconnecting the wires from the terminals.

CAMERA UNIT MODULE

1) Loosen the camera unit module from the Kombi module holder frame.
2) Remove the camera unit module aluminium front.
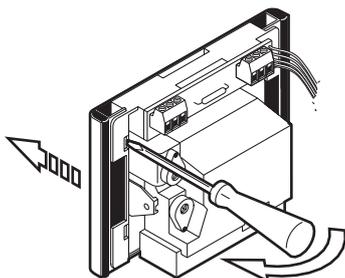
DOMUS-AURA VIDEO PUSH-BUTTON PANEL FRONT

Proceed as follows after inserting the name plates:
1) Fasten the door unit to the front as shown in the drawing.
2) Connect the call wires to the respective buttons.
3) Insert the door unit module in the dedicated housings.
4) Fasten the front to the embedding box with the security screws and washers provided.

Plastic washer

Tool

Security screw