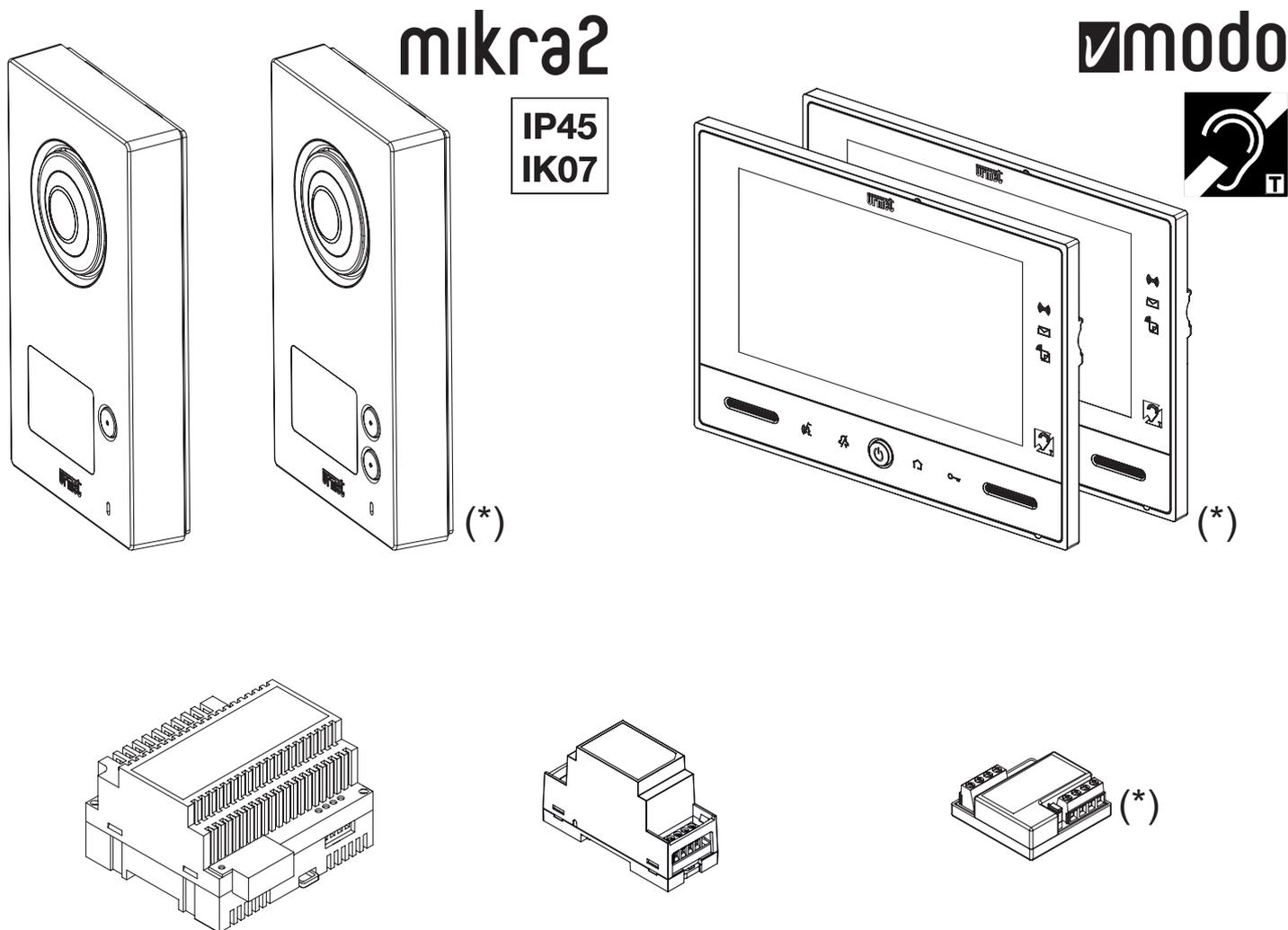


**KIT VIDEOCITOFONICO A 2 FILI MONO E BIFAMILIARE 7" VIVAVOCE A COLORI  
 ONE- AND TWO-HOUSEHOLD KIT WITH PANEL AND COLOUR 7" HANDS-FREE MONITOR  
 KIT VIDEO 2 FILS MONO/BI-FAMILLE 7" MAINS-LIBRES COULEUR  
 KIT VIDEOINTERFÓNICO DE 2 HILOS MONO Y BIFAMILIAR 7" MANOS LIBRES COLOR  
 2-DRAHT-VIDEOSPRECHANLAGE-KIT FÜR EIN- UND ZWEIFAMILIENHÄUSER  
 MIT FREISPRECHEINRICHTUNG UND 7"-FARB-BILDSCHIRM  
 KIT TWEEDRAADSE, HANDENVRIJE KLEUREN-VIDEO-INTERCOM VOOR EEN EN  
 TWEE WONINGEN MET 7" DISPLAY**

**Sch. / Ref. 1723/71 - 1723/72(\*)**



**LIBRETTO INSTALLAZIONE  
 INSTALLATION HANDBOOK  
 MANUEL D'INSTALLATION  
 MANUAL DE INSTALACIÓN  
 INSTALLATIONSANLEITUNG  
 INSTALLATIEHANDLEIDING**

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# 1 GENERAL DESCRIPTION

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The NOTE2 video door phone system is easy to install. Only two non-polarised wires are needed to interconnect all system devices.

Modularity mean being able to implement various supplementary functions, in addition to the basic video door phone functions, offering solutions suited to all needs.

The features of the video door phone system are:

## System

- One-household kit ref. 1723/71:
  - Allows the use of two video door phones without any supplementary power supply.
  - Can manage up to four door phones (one Master and three Slaves) called in parallel, with in-out connection.
- Two-household kit ref. 1723/72:
  - Allows the use of two video door phones without any supplementary power supply, one per apartment.
  - Can manage up to eight door phones (two Masters and six Slaves) called in parallel, with column video distributor and floor in-out connection.
- Connection of all devices using only two non-polarised wires.
- Connection of the power supply in any point of the system between control panel and video door phone.
- Possibility of managing up to two automatically switching calling stations.
- Possibility of extending the length of the buses by means of additional device.
- Device configuration by means of jumpers and dip-switches.
- Connection to system by means of removable terminal boards.

## Panel

- Vandal-proof panel Mod. MIKRA2 with weatherproof zama front and one or more buttons.
- Installation on wall (standard), possibility of flush-mounted installation with dedicated kit.
- Wide-angle colour camera on panel with lighting of the subject by means of LED.
- Backlit white name holder tag.
- Pedestrian gate lock activation via capacitance discharge pulse and hold current, programmable activation time.
- Setup for connecting a hall button for locally operating the pedestrian gate electrical lock.
- Setup for connection of DOOR STATE or LETTERBOX function sensor.
- Activation of the pedestrian gate lock by approaching proximity keys provided to the panel.
- Garage gate lock control with dry relay.
- Call forward confirmation with auditory signalling and by switching name tag backlighting LEDs off.
- Camera LED switch-on during call with possibility of exclusion.
- Possibility of adjusting the panel speaker volume.
- Visual and auditory system state signals (DDA), function available with one-household panels only.
- Water-resistant integrated microphone.

## Apartment station

- Hands-free video door phone apartment stations Mod. VMODO with 7" LED colour and capacitive touchscreen.
- Installation on wall (standard), possibility of flush-mounted installation with dedicated kit.
- Multilingual user interface (IT, EN, FR, ES, DE, CS, NL, NO, PL, PT, SK, VLS).
- Hands-free or push-to-talk mode:
  - Hands-free: press the audio button once to start the conversation and once again to end it.
  - Push-to-talk: press the audio button to speak to the door unit, release the button to listen.
- Ring tones: Five standard plus one customisable by the user.
- Possibility of attributing various tones according to the origin of the call (from panel, intercom, floor call, alarm signal).
- Provided with:
  - Hearing-aid-compliant audio output device (ILA).
  - Two configurable relay outputs with dry contacts for activating auxiliary controls.
  - Backlit touch buttons with red or green LEDs.

- Possibility of directly connecting to the video door phone:
  - One local CCTV camera, ref. 1092/250A.
  - One floor call button (only on Master).
  - One external temperature sensor (ref. 1430/50).
  - One alarm contact (only on Master).
- Possibility of connecting a supplementary ringer or wireless call repeater to each video door phone (French market only).
- Possibility of changing the image viewing ratio from 4:3 to 16:9.
- Possibility of adjusting the audio (speaker volume) and video (brightness, contrast and colour).
- Adjustable calling volume with possibility of muting.
- Possibility of muting button pressing auditory feedback;
- External memory medium: microSD (function possible only if the video door phone is installed on wall).
- Calendar and clock functions with two hours backup time in case of network blackout.
- Possibility of replacing the video door phone button front with one of a different colour.
- Staircase light switch-on setup using relay.
- Home Automation (Yokis) applications.
- Detection and adjustment of temperature inside the home (thermostat function) with optional temperature sensor.
- Possibility of indicating presence of mail in the letterbox (LETTERBOX function, available only on Master video door phone with optional devices).
- Indication by means of LEDs of: video door phone on, call or conversation in progress, mute on, Yokis radio module on, entrance door open, automatic door opening active, alarm on function, alarm in progress, presence of mail in the letterbox (LETTERBOX function), presence of new audio messages (POST-IT function), presence of new recorded video messages.
- Possibility of browsing the events log of access and alarm functions.

### **Basic functions**

- Video door phone call from door unit;
- Pedestrian and secondary (garage) gate lock activation only following call or auto-on function.
- Audio/video auto-on function on panel.
- Intercom call between single video door phones in the same apartment.
- Group intercom call to all video door phones belonging to the same apartment.
- Group intercom call between video door phones of different apartments (function available with kit ref. 1723/72 only).

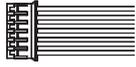
### **Additional functions**

- Possibility of connecting up to four CCTV cameras in the system with a dedicated device.
- Cyclic auto-on function in automatic mode, by any video door phone, on calling stations, on its local camera and on the CCTV cameras present in the system.
- The following functions are possible on Master video door phones only:
  - Activating a video door phone answering service capable of recording up to 32 video messages, each 10s long.
  - Sending a pre-recorded audio message to the caller (maximum time 20s).
  - Activating a video-only recording synchronised with the call (up to 32 records, each 20s long).
- Possibility of recording short audio messages (POST-IT) on any video door phone in the system (max. 32 messages, each 20s long).
- Possibility of activating the pedestrian gate lock automatically following a call.
- Possibility of recording and storing video also on microSD card.
- Possibility of muting the microphone.
- Possibility of viewing date and time, with the additional diary function.
- Alarm detection:
  - Signalling with LED and generation of acoustic tone on video door phone.
  - Repeating the auditory indication on a siren.
  - Activating a camera for shooting images with automatic recording of a video message.
- Activation of Yokis radio modules from any video door phone.
- Scheduling of Yokis radio module activations for one or more weekly events.

- Call and/or alarm divert to smartphone, with dedicated device.
- Possibility of updating system firmware using the microSD card.

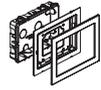
## 2 KIT COMPOSITION

Description		N	ID	
Panel (A)	Panel model MIKRA2 with 1 calling button (present only in kit ref. 1723/71)	1		A1
	Panel model MIKRA2 with 2 calling buttons (present only in kit ref. 1723/72)	1		A2
	Screws for fixing to wall (ø 3.5 x 32 mm)	4		A3
	Anchor bolts for fastening to wall (ø 5 mm)	4		A4
	Screwdriver insert (ø 2 mm)	1		A5
	Grey name tag (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		A6
	Transparent name tag (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		A7
	Spare Allen screw for closing the panel (M3 x 12 mm)	1		A8
	MIFARE master programming key	1		A9
	MIFARE transponder keys (qty. 5 in kit ref. 1723/71, qty. 10 in kit ref. 1723/72)	5/10		A10
	Chip tag (qty. 2 in kit ref. 1723/71, qty. 4 in kit ref. 1723/72)	2/4		A11
	Ferrite screen per chip tag (qty. 2 in kit ref. 1723/71, qty. 4 in kit ref. 1723/72)	2/4		A12
	Instruction booklet for chip tag (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		A13

Apartment station (B)	Video door phone Mod. VMODO Master (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		B1
	Bracket for fixing to wall (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		B2
	Screws for fixing to wall (ø 2.9 x 32 mm) (qty. 4 in kit ref. 1723/71, qty. 8 in kit ref. 1723/72)	4/8		B3
	Anchor bolts for fastening to wall (ø 5 mm) (qty. 4 in kit ref. 1723/71, qty. 8 in kit ref. 1723/72)	4/8		B4
	Screws for fixing to flush-mounting box Mod. 503 (M3.5 x 19 mm) (qty. 2 in kit ref. 1723/71, qty. 4 in kit ref. 1723/72)	2/4		B5
	Lever for removing front panel from video door phone (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1		B6
	Six-pin wire for connecting optional devices (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		B7
	Extractable terminal boards for connecting video door phone to system (qty. 2 in kit ref. 1723/71, qty. 4 in kit ref. 1723/72)	2/4		B8
	Two-pin wire for connecting an optional temperature sensor (qty. 1 in kit ref. 1723/71, qty. 2 in kit ref. 1723/72)	1/2		B9
Power supply unit (C)	System power supply unit	1		C1
	Audio video inductor	1		C2
(D)	Video distributor (only in kit ref. 1723/72)	1		D

### 3 ACCESSORY DEVICES

Description		Max. n. (maximum system configuration)	ID
Electric lock (12 Vac Max. 15 VA)	-	2 (one for each panel)	 OP1
Button for pedestrian gate electric lock	-	2 (one for each panel)	 OP2
Relay contacts for garage gate lock activation device (max. switching current 1 A @ 30 V)	-	2 (one for each panel)	 OP3
Open door sensor	Ref. 1033/701	2 (one for each panel)	 OP4 (*)
Supplementary ringer (max. 4 with kit ref. 1723/71, max. 8 with kit ref. 1723/72)	Ref. 9854/43	4/8 (one for each video door phone)	 OP5 (**)
Radio ringer (available for the French market only)	Code 43410	12 (3 for each video door phone)	 OP6
Supplementary video door phones Mod. VMODO 7" hands-free (max. 3 with kit ref. 1723/71, max. 6 with kit ref. 1723/72)	Ref. 1723/73	3/6	 OP7
Magnetic alarm sensor	Ref. 1033/701	2 (one for each Master video door phone)	 OP7a (#)
Presence sensor (NC in absence of signalling)	Ref. 1033/012 Ref. 1033/132	4 (two for each Master video door phone)	 OP8
Floor call button	-	2 (one for each Master video door phone)	 OP9
One-household secondary panel Mod. MIKRA2	Ref. 1723/11	1	 OP10
Two-household secondary panel Mod. MIKRA2	Ref. 1723/12	1	 OP11
Access control panel	Ref. 1723/46	2 (one for each panel)	 OP12
Flush-mounting kit for panel	Ref. 1723/50	2 (one for each panel)	 OP13
Relay box for 2 panels	Ref. 1723/51	1	 OP14
Table stand for video door phone 7" hands-free (max. 4 if with kit ref. 1723/71, max. 8 if with kit ref. 1723/72)	Ref. 1723/52	4/8	 OP15
Call sender device (max. 1 if with kit ref. 1723/71, max. 2 if with kit ref. 1723/72)	Ref. 1723/58	1/2	 OP15

Flush-mounting kit for video door phone 7" hands-free (max. 4 if with kit ref. 1723/71, max. 8 if with kit ref. 1723/72)	Ref. 1723/60	4/8		OP16
CCTV interface	Ref. 1723/69	1		OP17
BALUN passive one-channel video device	Ref. 1092/300A	4 (one for each camera connected to the CCTV interface)		
Mifare key kit	Ref. 1723/102	maximum 21 keys in the system		OP18
Compact AHD DAY & NIGHT camera with 3.6mm fixed lens (max. 4 if with kit ref. 1723/71, max. 8 if with kit ref. 1723/72)	Ref. 1092/250A	4/8 (one per video door phone)		OP19 (#)
BALUN passive one-channel video device	Ref. 1092/300A	4/8 (one for each camera ref. 1092/250A)		
Programmable output which can be activated: - after pressing the Home Automation button (default function: staircase lights) - following alarm event - by thermostat function.	-	-		OP20 (**)
Timed relay 2000W	Code 5454462	one per kit		
Relay with coil 230V~	Code 5454081	one per kit		
Two-channel transmitter for buttons Mod. E2BPP	Code 5454413	1 (only for kit ref. 1723/71)		OP21 (*)
Four-channel transmitter for buttons Mod. E4BPP	Code 5454427	2 (only for kit ref. 1723/72)		
Magnetic alarm sensor (qty. 2 with kit ref. 1723/71, qty. 4 with kit ref. 1723/72)	Ref. 1033/701	2/4		
Indoor temperature sensor (max. 4 if with kit ref. 1723/71, max. 8 if with kit ref. 1723/72)	Ref. 1430/50	4/8 (one for each video door phone)		OP22
Power supply unit for camera type ref. 1092/250A	Ref. 1092/800	4 (one for each camera in combination with CCTV interface ref. 1723/69)		OP23
Call sender device power supply	Ref. 1083/24	2 (one for each call sender device)		C3
Local transformer for 1723/73 (qty. 2 with kit ref. 1723/71, qty. 6 with kit ref. 1723/72)	Ref. 1723/22	2/6 (one for each Slave video door phone)		C4
Video distributor (present only in kit ref. 1723/72)	Ref. 1723/55	1		D

(\*) The two options are mutually exclusive.

(\*\*) For more information see paragraph 7.5 - RELAY FUNCTIONS AND CONFIGURATIONS

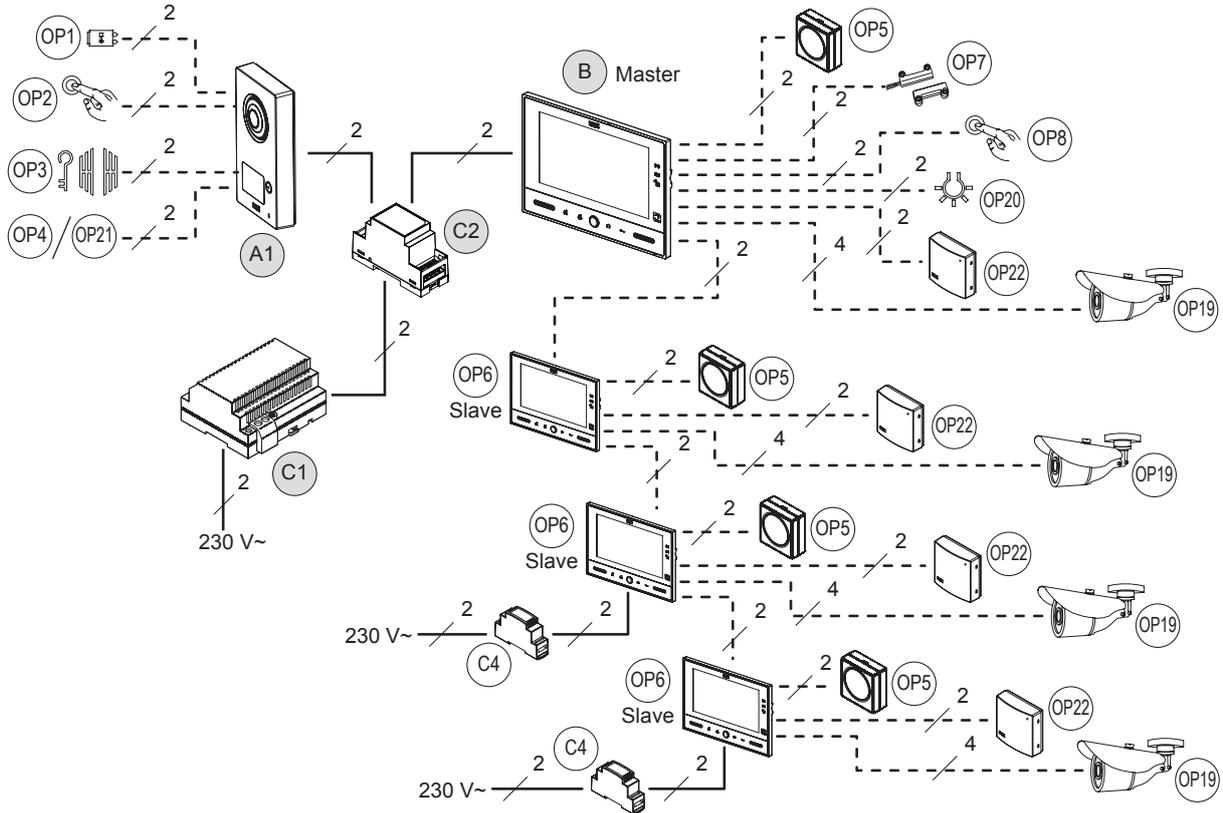
(#) The two options are mutually exclusive.

## 4 SPARE PARTS

Description		ID	
System power supply unit	Ref. 1723/20		C1
Audio video inductor	Ref. 1723/112		C2
Video distributor	Ref. 1723/55		D

## 5 CONNECTION BLOCK CHART

### 5.1 ONE-HOUSEHOLD SYSTEM

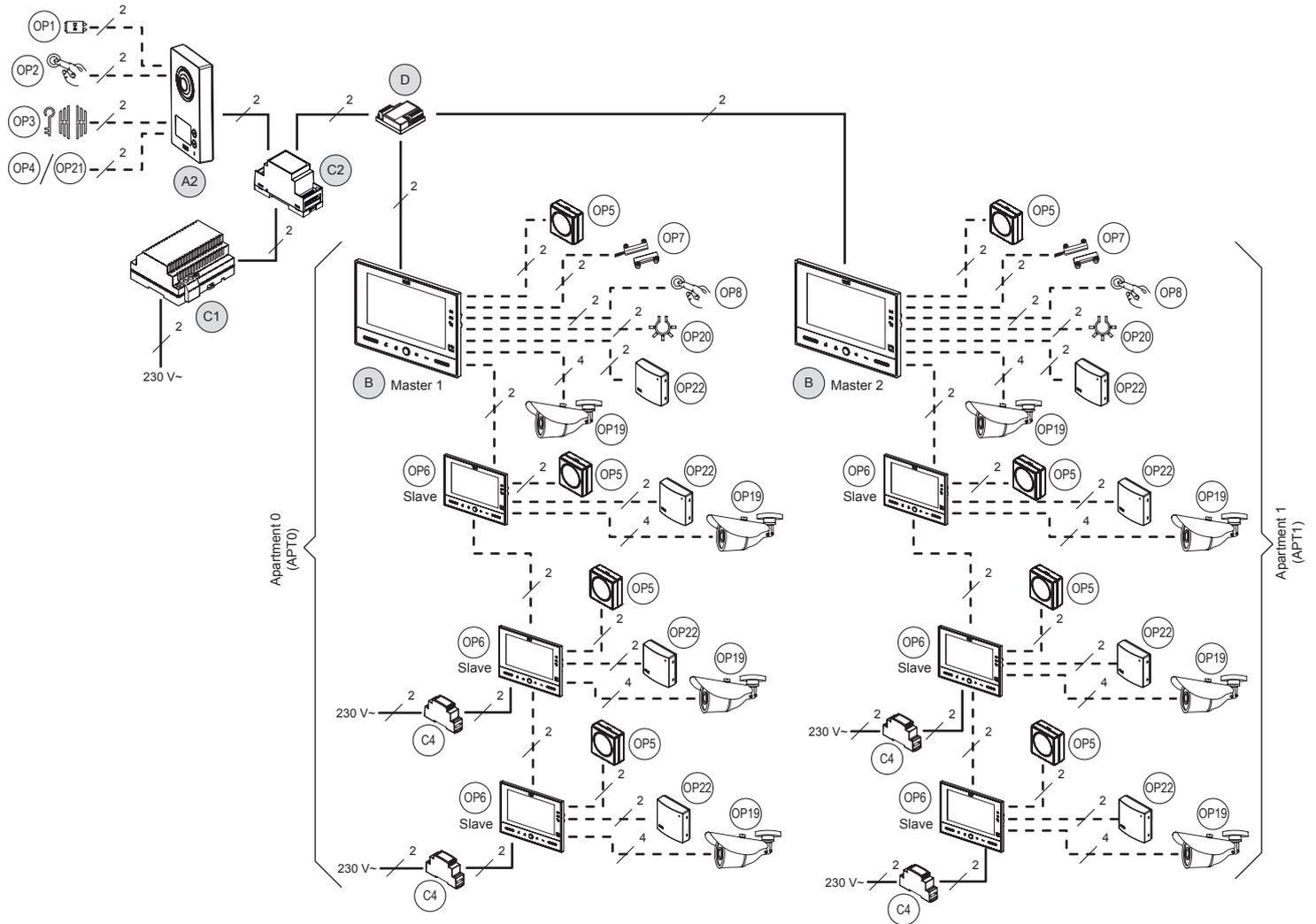


#### 5.1.1 Maximum distances between devices

Segment	Type of wire					
	SYT1-3P-AWG20 (Ø 0,8 mm)	Twisted telephone wire Ø 0.6 mm without sheath	CAT5	1,5 mm <sup>2</sup> single	2Voice	PTT278
A1 – C2	150 m	150 m	100 m	75 m	200 m	100 m
C1 – C2	0,5 m	0,5 m	0,5 m	0,5 m	0,5 m	0,5 m
C2 – most distant video door phone (OP6)	50 m	50 m	50 m	20 m	50 m	50 m
A – OP1	10 m	10 m	10 m	20 m	20 m	10 m
A – OP2	50 m	50 m	30 m	50 m	50 m	50 m
A – OP3	10 m	10 m	10 m	20 m	20 m	10 m
A – OP4	25 m	25 m	25 m	25 m	25 m	25 m
A – OP21	10 m	10 m	10 m	10 m	10 m	10 m
B – OP5	30 m	30 m	30 m	30 m	30 m	30 m
B – OP7	30 m	30 m	30 m	30 m	30 m	30 m
B – OP8	30 m	30 m	30 m	30 m	30 m	30 m
B – OP19	-	-	50 m	-	-	-
B – OP20	30 m	30 m	30 m	30 m	30 m	30 m
B – OP22	1 m	1 m	1 m	1 m	1 m	1 m
OP6 – C4	20 m	10 m	10 m	30 m	20 m	20 m
OP6 – OP5	30 m	30 m	30 m	30 m	30 m	30 m

 Wires with cross-section area of 0.5 mm<sup>2</sup> or larger must comply with IEC 60332-1-2; wires with cross-section area smaller than 0.5 mm<sup>2</sup> must comply with IEC 60332-2-2.

## 5.2 TWO-HOUSEHOLD SYSTEM



### 5.2.1 Maximum distances between devices

Segment	Type of wire					
	SYT1-3P-AWG20 (Ø 0,8 mm)	Twisted telephone wire Ø 0.6 mm without sheath	CAT5	1,5 mm <sup>2</sup> single	2Voice	PTT278
A2 – C2	150 m	150 m	100 m	75 m	200 m	100 m
C1 – C2	0,5 m	0,5 m	0,5 m	0,5 m	0,5 m	0,5 m
C2 – D	5 m	5 m	5 m	5 m	5 m	5 m
C2 – most distant video door phone (OP6)	50 m	50 m	50 m	20 m	50 m	50 m
A – OP1	10 m	10 m	10 m	20 m	20 m	10 m
A – OP2	50 m	50 m	30 m	50 m	50 m	50 m
A – OP3	10 m	10 m	10 m	20 m	20 m	10 m
A – OP4	25 m	25 m	25 m	25 m	25 m	25 m
A – OP21	10 m	10 m	10 m	10 m	10 m	10 m
B – OP5	30 m	30 m	30 m	30 m	30 m	30 m
B – OP7	30 m	30 m	30 m	30 m	30 m	30 m
B – OP8	30 m	30 m	30 m	30 m	30 m	30 m
B – OP19	-	-	50 m	-	-	-
B – OP20	30 m	30 m	30 m	30 m	30 m	30 m
B – OP22	1 m	1 m	1 m	1 m	1 m	1 m
OP6 – C4	20 m	10 m	10 m	30 m	20 m	20 m
OP6 – OP5	30 m	30 m	30 m	30 m	30 m	30 m

Wires with cross-section area of 0.5 mm<sup>2</sup> or larger must comply with IEC 60332-1-2; wires with cross-section area smaller than 0.5 mm<sup>2</sup> must comply with IEC 60332-2-2.

## 6 WARNINGS FOR INSTALLERS

---

Read the notes in this manual carefully. This manual contains important information on safe installation, use and maintenance.

- This devices in the kit must only be put to the use for which they were intended. All other use is improper. The manufacturer cannot be held responsible for damage deriving from improper, incorrect or unreasonable use.
- Each part was designed to be compliant with the standards in force.
- The system must be built in compliance with the regulations in force. All devices in the system must be exclusively used for the purpose for which they were designed.
- Remove the components from the packaging and check that they are intact.
- Keep the packaging (plastic bags, polystyrene, etc.) away from children. Packaging is potentially dangerous.
- Provide a suitable cut-off and protection master switch upstream from the devices, with contacts open by at least 3 mm.
- Make sure that the plate data corresponds to the power specifications before connecting the devices to the mains.
- Keep the ventilation or cooling openings and slots free.
- Disconnect the devices from the mains before cleaning or maintenance.
- Do not use spray products to clean the device.
- Disconnect power from the circuit breaker in the event of failure and/or malfunctioning of the products contained in the kit. Do not tamper with the devices.
- Exclusively contact a service centre authorised by the manufacturer for repairs.
- Provide suitable ventilation.
- Do not use power extension wires.
- Have the device checked and repaired by qualified personnel in the case of infiltration of fluid or objects inside the device.
- Exclusively use the spare parts supplied by the manufacturer for repairs.
- Installers must make sure that user's information is applied to the connected devices.
- Disrespect of these precautions can effect safety of the devices.
- Keep this manual with the device at all times.
- The lightning symbol in a equilateral triangle indicates the presence of dangerous voltage.

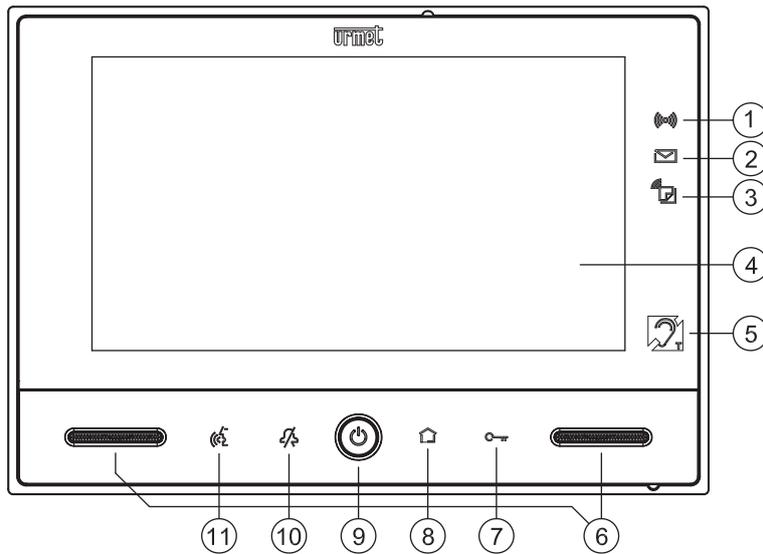


- Never open the devices unless expressly instructed to do so in this instruction manual.
- The exclamation mark symbol in an equilateral triangle indicates critical safety components. Always only use components supplied by the manufacturer.



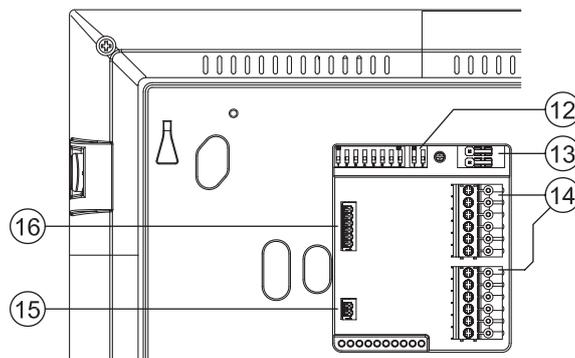
# 7 VIDEO DOOR PHONE INSTALLATION

## 7.1 DESCRIPTION OF COMPONENTS



### Front panel:

1. Alarm icon
2. Mail in letterbox indication icon (LETTERBOX function)
3. POST-IT audio message presence icon
4. 7" display
5. Icon indicating that the video door phone is hearing-aid compatible (ILA)
6. Speakers
7. Door opening button (touch)
8. Yokis command reception confirmation icon
9. ON/OFF button
10. MUTE button (touch)
11. Audio on button (touch)

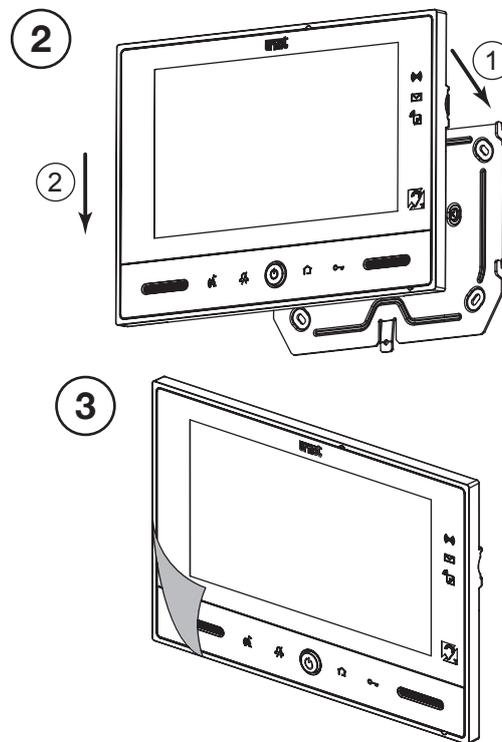
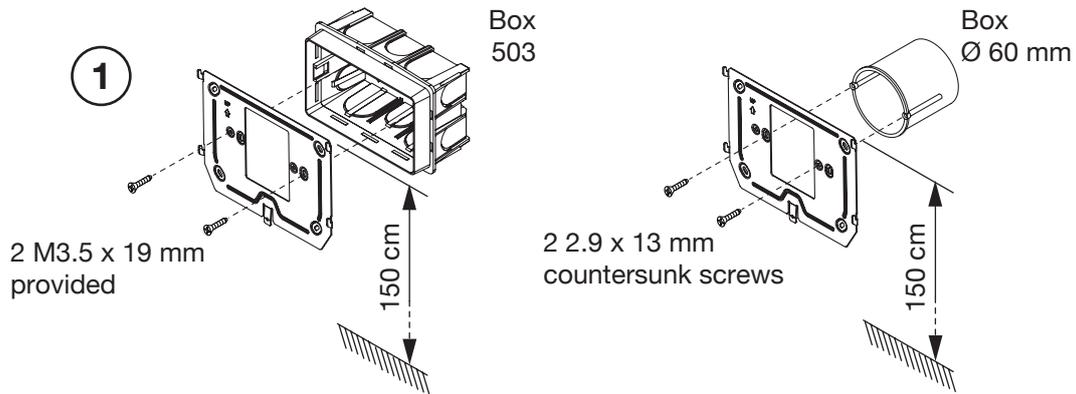


### Rear part:

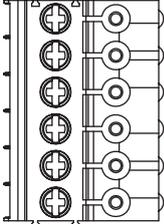
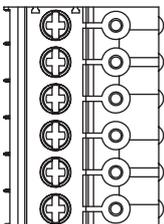
12. Configuration dip-switch:
13. Jumpers
14. Extractable six-pin terminal boards
15. Two-way connector for external thermostat
16. Six-pin connector for connecting external camera/relay 2 (OP20)

## 7.2 INSTALLATION METHOD

- Fix the bracket to the wall using a box 503 and the screws provided or a  $\varnothing$  60 mm box with suitable screws.
- Program the dip-switches and connect the system wires to the terminal boards.
- Couple the video door phone to the bracket at the four hooks on the sides.
- Remove the protective film from the display.

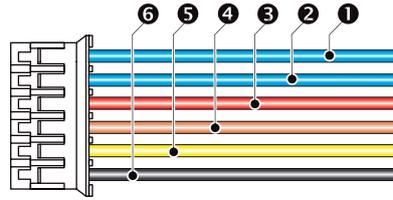


## 7.3 TERMINAL BOARD DESCRIPTION

Terminal board	Terminal name	Description
	LI	Bus input (LINE IN)
	LI	
	LO	Bus output (LINE OUT)
	LO	
	LP	24Vac local power
	LP	
	FC	Floor call
	FC	
	0	Supplementary ringer (output relay 1 – OP5)
	C	
	AL	Alarm sensor input
	AL	

## 7.4 OUTDOOR CAMERA/RELAY 2 (OP20) CONNECTOR DESCRIPTION

The outdoor camera ref. 1092/250A can be connected to the Master video door phone using the wire (B7) provided.



Wire n.	Wire colour	Description	Pin name on connector
1	Blue	Staircase lights (relay output 2 – OP20)	RELAY SPARE
2	Blue	Staircase lights (relay output 2 – OP20)	RELAY SPARE
3	Red	Camera power positive	CCTV POWER+
4	Brown	Video balun negative output signal	CCTV VIDEO-
5	Yellow	Video balun positive output signal	CCTV VIDEO+
6	Black	Camera power negative	CCTV POWER-

## 7.5 RELAY FUNCTIONS AND CONFIGURATIONS

The video door phone is provided with two programmable relays, as shown in the following table:

Relays	Possible function	Default	Riference
1	Supplementary ringer	✓	OP5
	Home Automation button 1		
	Siren alarm		
2	Home Automation button 2	✓	OP20
	Siren alarm		
	Thermostat output		

## 7.6 JUMPER CONFIGURATION (JP1 and JP2)

There are two jumpers on the video door phone:

- JP1: this is used to insert the line termination. The line termination must be activated on the video door phone connected to the end of a line which is not resumed with another segment from the LINE OUT terminals.

	JP1
Terminal insert (default)	
Terminal not inserted	

- JP2: this is used to power the video door phone from the Bus line or via a local transformer ref. 1723/22.

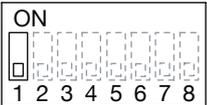
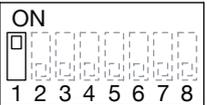
	JP2
Bus light power supply (default)	
Power from local transformer	

## 7.7 DIP-SWITCH CONFIGURATION

The video door phone has 8 dip-switches on the back of the device.

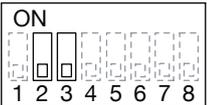
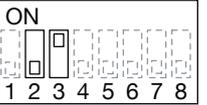
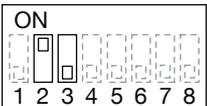
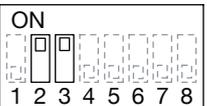
Dip-switches 5, 7 and 8 are not used.

### 7.7.1 Calling button to video door phone association

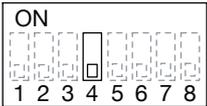
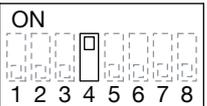
	Dip-switch 1 position		Dip-switch 1 position
Video door phone associated with calling button 0 (upper)		Video door phone associated with calling button 1 (lower)	

### 7.7.2 Video door phone code

Set the respective code using the dip-switches 2 and 3 on each apartment station to install Slave video door phones.

Video door phone type	Dip-switch 2 and 3 position	Video door phone type	Dip-switch 2 and 3 position
Master video door phone		Slave 1 video door phone	
Slave 2 video door phone		Slave 3 video door phone	

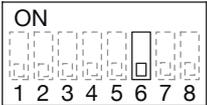
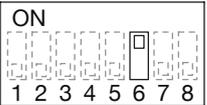
### 7.7.3 System type

	Dip-switch 4 position		Dip-switch 4 position
One-household system		Two-household system	

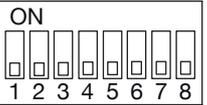
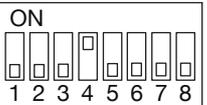
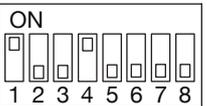
### 7.7.4 Audio activation by pressing button (“Push-to-talk” mode)

If communication between panel and video door phone is disturbed, the two audio channels (from the outside in and from the inside out) can be activated one at a time.

After having received a call, briefly press  to activate the control panel audio; afterwards, hold the button pressed  to activate the audio channel towards the outside and speak to the caller. Release the button  to listen.

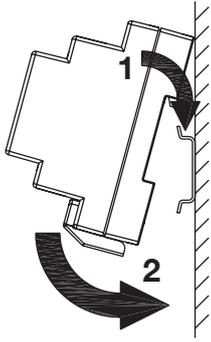
	Dip-switch 6 position		Dip-switch 6 position
Function off		Function on	

### 7.7.5 Default settings

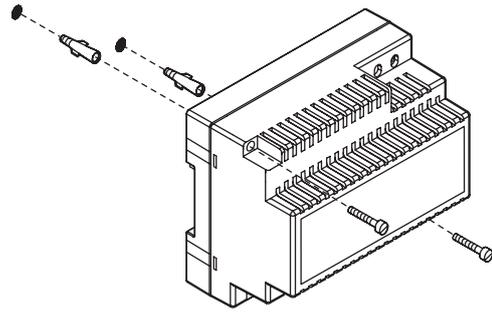
<b>One-household kit ref. 1723/71:</b>	Video door phone	
<b>Two-household kit ref. 1723/72:</b>	Video door phone 1	
	Video door phone 2	

## 8 SYSTEM POWER SUPPLY AND AUDIO VIDEO INDUCTOR INSTALLATION

The power supply unit must be installed in the electric panel or a cabinet.



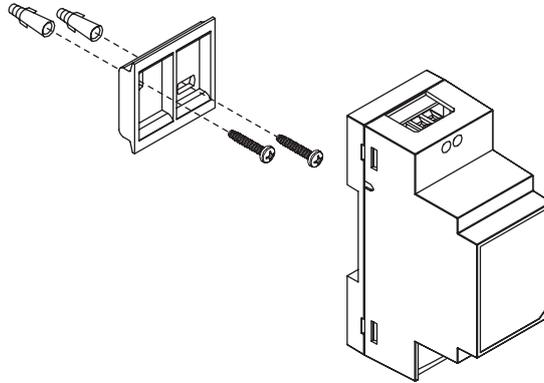
Installation on DIN bar (6 modules, 18 mm)



Wall-mounted installation

The electronic inductor module may be fixed to the wall by means of bracket supply in the kit or fixed to DIN bar (2 modules, 18 mm each).

The electronic inductor module must be installed in the same electric panel as the power supply unit.



### 8.1.1 Description of terminals

#### System power supply ref. 1723/20

⊙ 0	} Mains power voltage input 110-230 Vac
⊙ 110-230V~	
⊙ +	} Power voltage output
⊙ -	

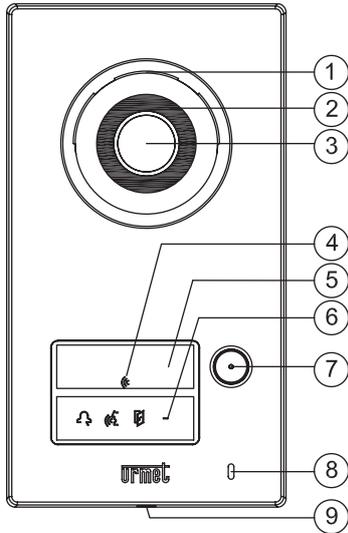
#### Audio video inductor ref. 1723/112

⊙ +	} Power voltage input	
⊙ -		
⊙ ]	LINE1	BUS line 1
⊙ ]	LINE2	BUS line 2

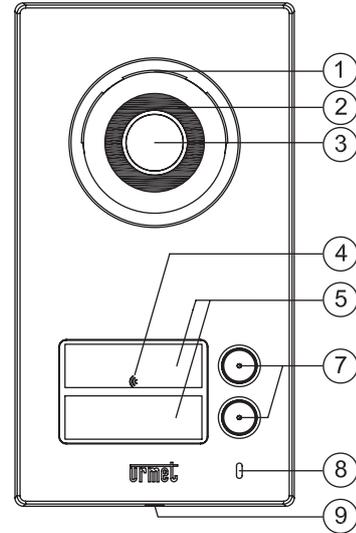
# 9 CONTROL PANEL INSTALLATION

## 9.1 DESCRIPTION OF COMPONENTS

Panel Mod. MIKRA2 with 1 calling button  
(present only in one-household kit ref. 1723/71)

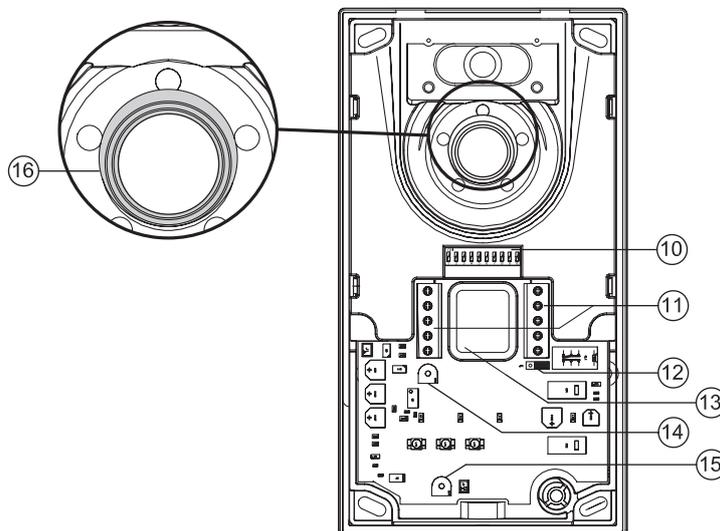


Panel Mod. MIKRA2 with 2 calling buttons  
(present only in two-household kit ref. 1723/72)



Front panel:

1. Speaker
2. Camera lighting LED
3. Camera
4. Transponder reader
5. Name tag(s)
6. Signalling LEDs dedicated to the DDA function
7. Calling button(s)
8. Microphone
9. Front closing screw

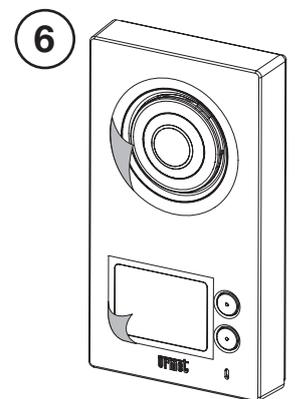
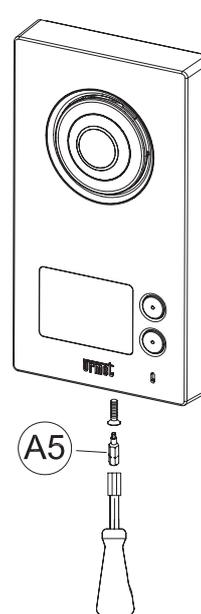
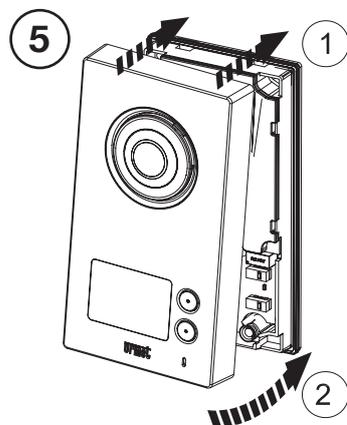
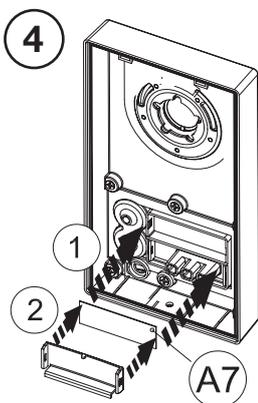
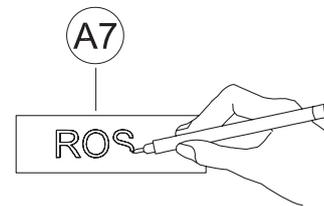
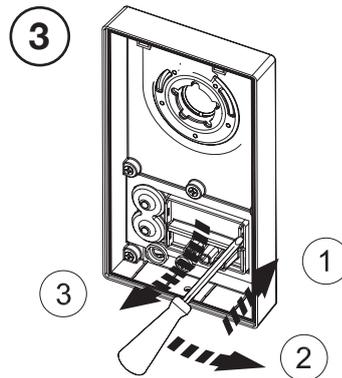
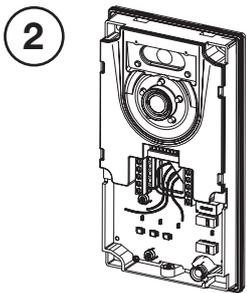
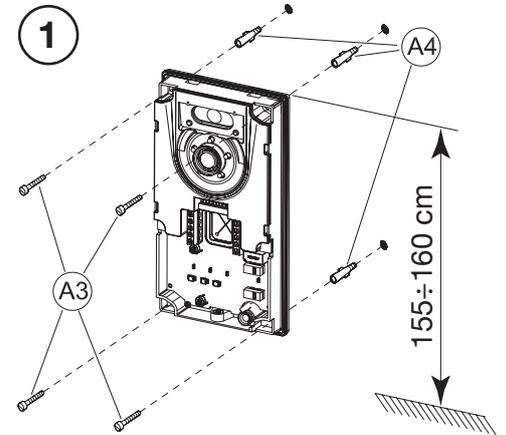
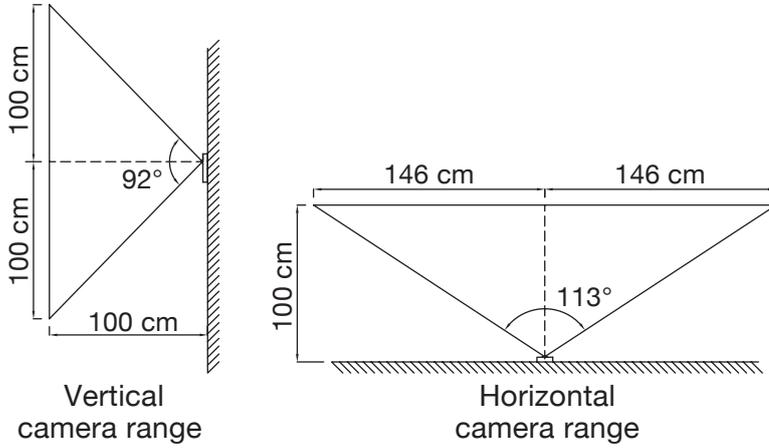


Inside:

10. Configuration dip-switch:
11. Terminal boards
12. **Do not change the position of this jumper!**
13. Hole for running wires
14. Speaker volume trimmer
15. **Do not turn this trimmer!**
16. Anti-reflection seal

## 9.2 INSTALLATION METHOD

- Install the panel at the indicated heights checking that the caller is framed by the camera.
- Connect the wires to the terminal boards.
- Fit the name tags on the front.
- Program the device.
- If necessary, adjust the speaker volume.
- Close the metal lid of the panel.
- Remove the protective films.



### 9.3 DESCRIPTION OF TERMINALS

#### Left terminal board

- ⊙ SE- Electrical lock with capacitance discharge actuation negative
- ⊙ SE+ Electrical lock with capacitance discharge actuation positive
- ⊙ ] PA Input for pedestrian gate electric lock button
- ⊙ SP Input for DOOR STATE or LETTERBOX function sensor

#### Right terminal board

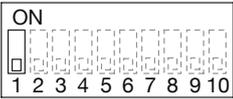
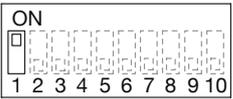
- ⊙ SP Input for DOOR STATE or LETTERBOX function sensor
- ⊙ ] LINE Bus line
- ⊙ ] N.O. Door opener dry actuation (OP3)

### 9.4 DIP-SWITCH CONFIGURATION

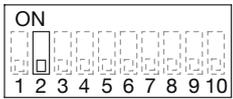
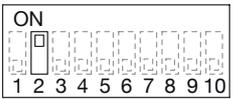
The video door phone has 10 dip-switches positioned inside the device.

 **Dip-switches 6, 9 and 10 must not be changed.**

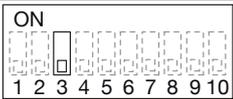
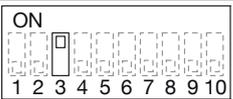
#### 9.4.1 DOOR STATE or LETTERBOX function selection (indication of mail present in letterbox)

	Dip-switch 1 position		Dip-switch 1 position
DOOR STATE function on		LETTERBOX function on	

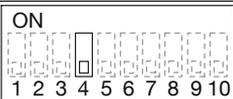
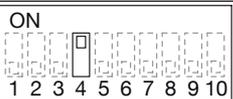
#### 9.4.2 Panel ID n.

	Dip-switch 2 position		Dip-switch 2 position
Panel 1		Panel 2	

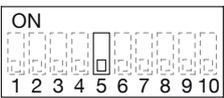
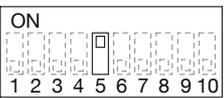
#### 9.4.3 Camera LED switch-on during call

	Dip-switch 3 position		Dip-switch 3 position
Function on		Function off	

#### 9.4.4 Apartment 0 call enabling from both button on panel (function available only with two-household kit ref. 1723/72)

	Dip-switch 4 position		Dip-switch 4 position
Function off		Function on	

#### 9.4.5 Pedestrian gate and garage gate lock activation type selection, capacitance discharge or dry relay

	Dip-switch 5 position		Dip-switch 5 position
<u>Pedestrian gate lock activation by means of capacitance pulse discharge and hold current (SE+ and SE- terminals).</u> <u>Garage gate activation by means of dry contact relay (N.O. terminals).</u>		<u>Pedestrian gate lock activation by means of dry contact relay (N.O. terminals).</u> <u>Garage gate activation by means of capacitance pulse discharge and hold current (SE+ and SE- terminals).</u>	



Radio transmission: the transmitter LED lights up only if the radio transmission was successful. Adding an intermediate receiver will solve the problem of insufficient range. Refer to the Yokis transmitter instruction booklet for more information.

Radio frequency: ..... **2.4 GHz**  
 Relay output 1 (OP5) ..... **25 mA @ 24 Vdc**  
 Relay output 2 (OP20 - RELAY SPARE) ..... **25 mA @ 24 Vdc**  
 Working temperature range: ..... **-5 to +45° C**  
 Max. humidity: ..... **95% RH**  
 Dimensions (WxHxD): ..... **202 x 142 x 22 mm**

**Panel**

Power voltage: ..... **36 to 48 V<sub>---</sub>**  
 Consumption: maximum ..... **130 mA @ 48 Vdc**  
                   standby ..... **20 mA @ 48 Vdc**  
 Maximum working power: ..... **max. 6.5 W**  
 Dimensions (WxHxD): ..... **100 x 180 x 28 mm**  
 Name tag dimensions: ..... **48.5 x 15.5 mm**  
 Tag and button light: ..... **White LEDs**  
 Degree of protection of casings: ..... **IP45**  
 Degree of protection from mechanical shocks: ..... **IK07**  
 Working temperature range: ..... **-10 to +50° C**  
 Max. humidity: ..... **95% RH**  
 N.O. dry contact maximum current (OP3): ..... **1 A @ 30 Vdc**  
 Transmitting capsule: ..... **electret microphone**  
 Receiving capsule: ..... **16 Ω water-resistant speaker**

**11 KEY TO SYMBOLS**

Symbol	Description
---	Direct input voltage
<b>note 2</b>	Video door phone system trademark
	Power supply fitted with double insulator
	DANGER - Presence of dangerous voltages
	DANGER - Presence of safety-critical components
	See the installation manual of the device

**12 SIMPLIFIED EU DECLARATION OF CONFORMITY**

Hereby, URMET S.p.A. declares that the radio equipment types:

**ONE- AND TWO-HOUSEHOLD KIT WITH PANEL AND COLOUR 7" HANDS-FREE MONITOR**

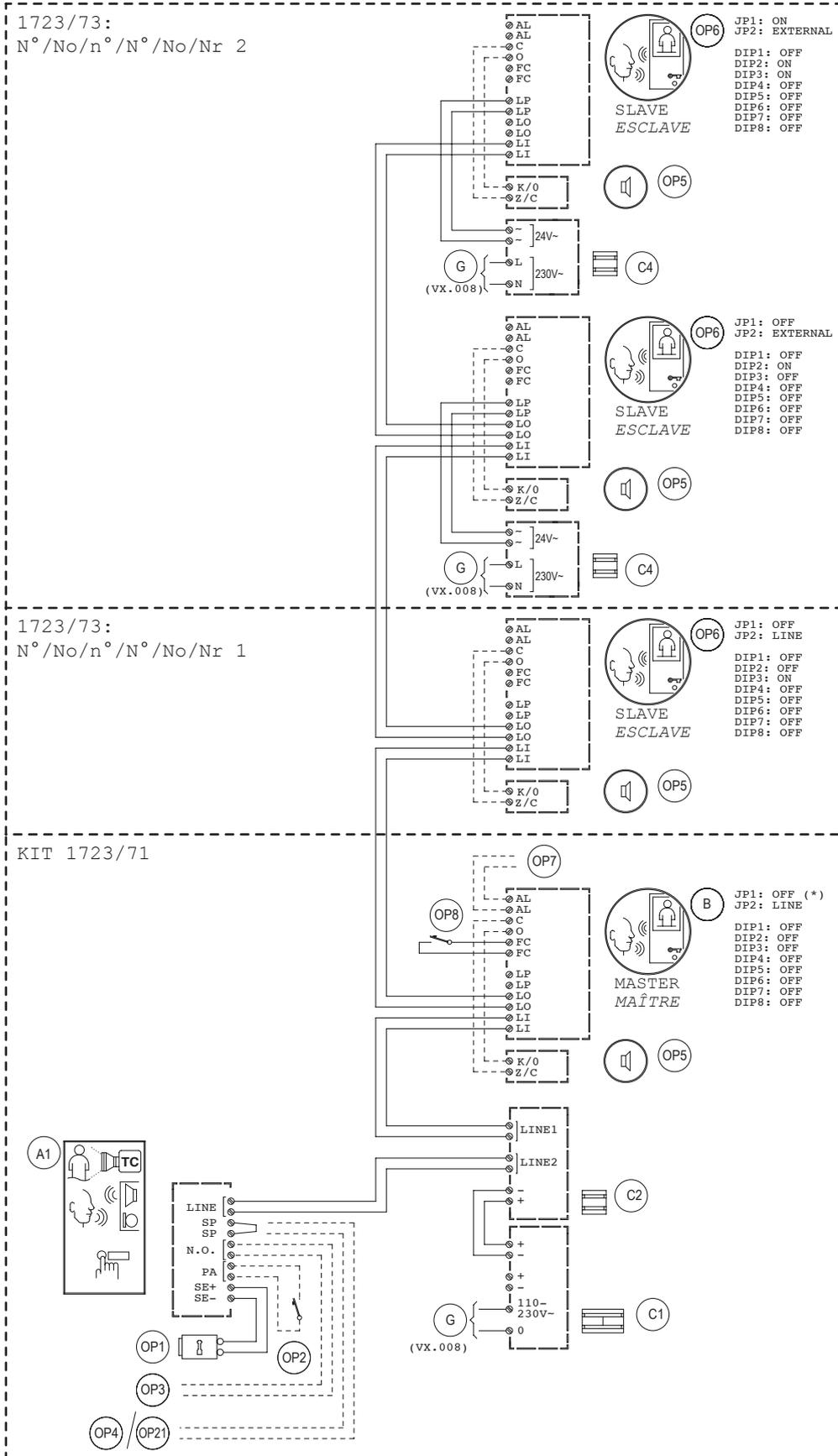
(Ref. 1723/71 and 1723/72) are in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: [www.urmet.com](http://www.urmet.com)

### 13. SCHEMI DI COLLEGAMENTO - WIRING DIAGRAM - SCHÉMAS DE RACCORDEMENT ESQUEMAS DE CONEXIÓN - ANSCHLUSSPLÄNE - BEDRADINGSSCHEMA'S

#### 13.1 COLLEGAMENTO DEL KIT MONOFAMILIARE Sch.1723/71 CON 3 VIDEOCITOFONI IN PARALLELO ONE-HOUSEHOLD KIT CONNECTION REF.1723/71 WITH 3 VIDEO DOOR PHONES IN PARALLEL RACCORDEMENT DU KIT MONO-FAMILLE REF. 1723/71 AVEC 3 MONITEURS EN PARALLELE CONEXIÓN DEL KIT MONOFAMILIAR REF. 1723/71 CON 3 VIDEOINTERFONOS EN PARALELO ANSCHLUSS DES EINFAMILIENHAUS-KITS TYP1723/71 MIT 3 PARALLEL GESCHALTETEN VIDEOSPRECHANLAGEN AANSLUITING VAN DE KIT VOOR EEN WONING NR.1723/71 MET 3 PARALLEL GESCHAKELDE VIDEO-INTERCOMS

SV102-3983



(\*) Spostare su OFF solo se nell'impianto è presente più di un videocitofono. Move to OFF only if there is more than one video door phone in the system. Ne déplacer sur OFF qu'en présence de plus d'un moniteur dans l'installation. Colocar en OFF sólo si en el sistema hay más de un videointerfono. Nur auf OFF stellen, wenn im System mehr als eine Videoanlage vorhanden ist. Alleen verplaatsen op OFF als in het systeem meer dan één video-intercom is.

**13.2 COLLEGAMENTO DEL KIT BIFAMILIARE SCH.1723/72 CON 3 VIDEOCITOFONI IN PARALLELO AD OGNI UTENZA**

**TWO-HOUSEHOLD KIT CONNECTION REF.1723/72 WITH 3 VIDEO DOOR PHONES IN PARALLEL FOR EACH USER**

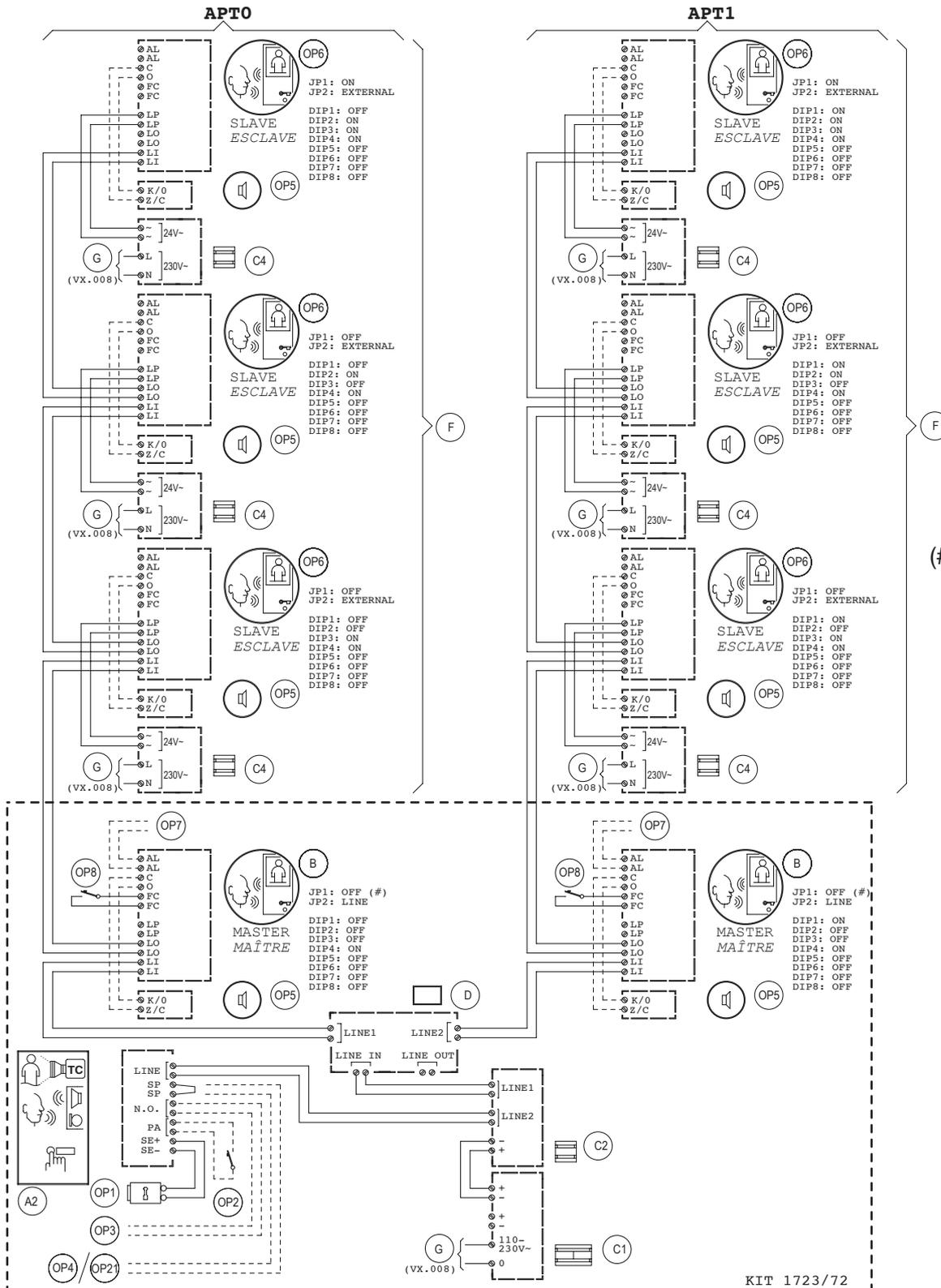
**RACCORDEMENT DU KIT BI-FAMILLE REF. 1723/72 AVEC 3 MONITEURS EN PARALLELE POUR CHAQUE APPARTEMENT**

**CONEXIÓN DEL KIT BIFAMILIAR REF. 1723/72 CON 3 VIDEOINTERFONOS EN PARALELO A CADA USUARIO**

**ANSCHLUSS DES ZWEIFAMILIENHAUS-KITS TYP1723/72 MIT 3 PARALLEL GESCHALTETEN VIDEOSPRECHANLAGEN BEI JEDEM TEILNEHMER**

**AANSLUITING VAN DE KIT VOOR TWEE WONINGEN NR. 1723/72 MET 3 PARALLEL TUSSEN ELKE VERBRUIKER GESCHAKELDE VIDEO-INTERCOMS**

**SV102-3990**



**13.3 LEGENDA SCHEMI - DIAGRAM KEY - LEGENDE DES SCHEMAS - LEYENDAS DE LOS DIAGRAMAS  
LEGENDE DER PLÄNE - LEGENDE SCHEMA'S**

<b>Rif. / Ref. Réf. / Ref. Bez. / Ref.</b>	<b>Descrizione / Description Description / Descripción Beschreibung / Beschrijving</b>	<b>Sch. / Ref. Réf. / Ref. Typ / Nr.</b>
A1	<p>Pulsantiera Mod. MIKRA2 con 1 tasto di chiamata (presente solo nel kit monofamiliare sch. 1723/71)  <i>Panel model MIKRA2 with 1 calling button (present only in one-household kit ref. 1723/71)</i>                      Plaque modèle MIKRA2 avec 1 touche d'appel (uniquement dans le kit mono-famille réf. 1723/71)                      Teclado Mod. MIKRA2 con 1 pulsador de llamada (presente sólo en el kit monofamiliar ref. 1723/71)                      Tastenfeld Mod. MIKRA2 mit 1 Ruftaste (nur vorhanden im Einfamilienhaus-Kit Typ 1723/71)                      Deurplaat Mod. MIKRA2 met 1 oproep-toets (alleen in de kit voor één woning nr. 1723/71)</p>	-
A2	<p>Pulsantiera Mod. MIKRA2 con 2 tasti di chiamata (presente solo nel kit bifamiliare sch. 1723/72)  <i>Panel model MIKRA2 with 2 calling buttons (present only in two-household kit ref. 1723/72)</i>                      Plaque modèle MIKRA2 avec 2 touches d'appel (uniquement dans le kit bi-famille réf. 1723/72)                      Teclado Mod. MIKRA2 con 2 pulsadores de llamada (presente sólo en el kit bifamiliar ref. 1723/72)                      Tastenfeld Mod. MIKRA2 mit 2 Ruftasten (nur vorhanden im Zweifamilienhaus-Kit Typ 1723/72)                      Deurplaat Mod. MIKRA2 met 2 oproep-toetsen (alleen in de kit voor twee woningen nr. 1723/72)</p>	-
B	<p>Videocitofono "Master" 7" vivavoce Mod. VMODO  <i>Video door phone Mod. VMODO Master</i>                      Moniteur modèle VMODO "Maître"                      Videointerfono Mod. VMODO "Master"                      Videoanlage Mod. VMODO "Master"                      Video-intercom 7" speakerphone Mod. VMODO "Master"</p>	-
C1	<p>Alimentatore di sistema  <i>System power supply unit</i>                      Alimentation système                      Alimentador del sistema                      Systemnetzteil                      Systeemvoeding</p>	1723/20
C2	<p>Induttanza audio video  <i>Audio video inductor</i>                      Inductance audio/vidéo                      Inductancia audio vídeo                      Systemnetzteil                      Inductiespoel audio video</p>	1723/112
C4	<p>Trasformatore locale per 1723/73  <i>Local transformer for 1723/73</i>                      Transformateur local pour 1723/73                      Transformador local para 1723/73                      Lokaler Transformator für 1723/73                      Plaatselijke transformator voor 1723/73</p>	1723/22
D	<p>Distributore video (presente solo nel kit sch. 1723/72)  <i>Video distributor (present only in kit ref. 1723/72)</i>                      Distributeur vidéo (uniquement dans le kit réf. 1723/72)                      Distribuidor vídeo (presente sólo en el kit ref. 1723/72)                      Videoverteiler (nur vorhanden im Kit Typ 1723/72)                      Videoverdelers (alleen aanwezig in de kit nr. 1723/72)</p>	1723/55

F	Opzionali / <i>Optional</i> / Options / <i>Opcionales</i> / Optionen / <i>Opties</i>	-
G	Linea~ / <i>Line~</i> / Ligne~ / <i>Línea~</i> / Leitung~ / <i>Lijn~</i>	-
OP1	Serratura elettrica (12Vca Max 15VA) <i>Electric lock (12Vac Max. 15VA)</i> Serrure électrique (12Vca Maxi 15VA) <i>Cerradura eléctrica (12 Vca Máx. 15 VA)</i> Elektroverriegelung (12 Vca, max. 15 VA) <i>Elektrisch slot (12Vca Max 15VA)</i>	-
OP2	Pulsante per azionamento serratura elettrica pedonale <i>Button for pedestrian gate electric lock</i> Bouton de commande de la serrure électrique pour piétons <i>Pulsador de accionamiento de la cerradura eléctrica para peatones</i> Taste zur Betätigung der Elektroverriegelung des Eingangs <i>Knop voor de in/uitschakeling van het elektrische voordeurslot</i>	-
OP3	Contatti del relè per l'attivazione apriporta passo carraio <i>Relay contacts for garage gate lock activation device</i> Contacts du relais pour l'activation de l'accès véhicules <i>Contactos del relé para la activación de la apertura de la puerta del pasaje para vehículos</i> Relaiskontakt für die Türöffneraktivierung Zufahrt <i>Relaiscontacten voor de inschakeling inrijpoort</i>	-
OP4 / OP21	Sensore porta aperta / funzione LETTERBOX <i>Open door sensor / LETTERBOX function</i> Capteur de porte ouverte / fonction LETTERBOX <i>Sensor de puerta abierta / función LETTERBOX</i> Tür offen-Sensor / funktion LETTERBOX <i>Sensor open deur / functie LETTERBOX</i>	1033/701 / -
OP5	Suoneria supplementare <i>Supplementary ringer</i> Sonnerie supplémentaire <i>Timbre adicional</i> Zusätzliches Läutwerk <i>Extra bel</i>	9854/43
	Suoneria Radio (disponibile solo su mercato francese) <i>Radio ringer (available for the French market only)</i> Sonnerie radio (uniquement disponible sur le marché français) <i>Timbre Radio (disponible sólo para el mercado francés)</i> Funkläutwerk (nur auf dem französischen Markt erhältlich) <i>Draadloze bel (alleen ter beschikking voor de Franse markt)</i>	43410
OP6	Videocitofoni supplementari 7" vivavoce Mod. VMODO <i>Supplementary video door phones Mod. VMODO 7" hands-free</i> Moniteurs supplémentaires modèle VMODO 7" mains-libres <i>Videointerfonos adicionales Mod. VMODO 7" manos libres</i> Zusätzliche Videosprechanlagen Mod. VMODO 7" Freisprechfunktion <i>Extra video-intercoms mod. VMODO 7" handenvrij</i>	1723/73
OP7	Sensore di allarme magnetico <i>Magnetic alarm sensor</i> Contact magnétique d'alarme <i>Sensor de alarma magnético</i> Magnetischer Alarmsensor <i>Magnetische alarmsensor</i>	1033/701
OP8	Pulsante di chiamata al piano <i>Floor call button</i> Touche d'appel palier <i>Pulsador de llamada al piso</i> Taste für den Anruf auf der Etage <i>Toets voor oproep aan verdieping</i>	-

## 13.4 NOTE LEGATE AGLI SCHEMI

### NOTES ON DIAGRAMS

### REMARQUES CONCERNANT LES SCHÉMAS

### NOTAS REFERIDAS A LOS ESQUEMAS

### HINWEISE IN VERBINDUNG MIT DEN PLÄNEN

### OPMERKINGEN OMTRENT DE SCHEMA'S

#### VX.008 (Rev. A)

Connettere le apparecchiature ad un filtro e a un dispositivo di protezione per la linea d'alimentazione.

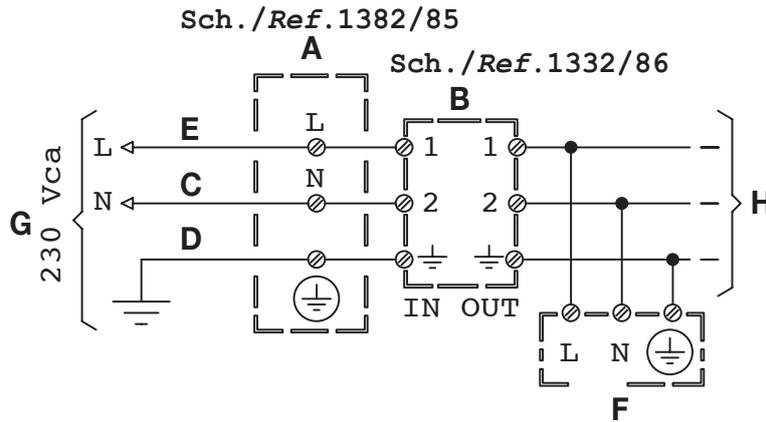
*Connect the devices to a filter and power line protection device.*

Connecter les appareils à un filtre et à un dispositif de protection pour la ligne d'alimentation.

*Conectar los equipos a un filtro y a un dispositivo de protección para la línea de alimentación.*

Die Geräte an einen Filter oder eine Schutzvorrichtung für die Versorgungsleitung anschließen.

*Sluit de apparaten aan op een filter en op een systeem voor de beveiliging van de voedingslijn.*



<b>A)</b> Protezione <i>Protection</i> Protection <i>Protección</i> Schutz <i>Bescherming</i>	<b>C)</b> (Neutro) <i>(Neutral)</i> (Neutre) <i>(Neutro)</i> (Neutral) <i>(Nulleider)</i>	<b>E)</b> (Fase) <i>(Step)</i> (Phase) <i>(Fase)</i> (Phase) <i>(fase)</i>	<b>G)</b> Rete 230V~ <i>Mains 230V~</i> Secteur 230V~ <i>Red 230V~</i> Netz 230V~ <i>Netvoeding 230V~</i>
<b>B)</b> Filtro <i>Filter</i> Filtre <i>Filtro</i> Filter <i>Filter</i>	<b>D)</b> Terra <i>Earth</i> Masse <i>Tierra</i> Erdung <i>Aarding</i>	<b>F)</b> Utilizzatore <i>Utility</i> Utilisateur <i>Usuario</i> Benutzer <i>Gebruiker</i>	<b>H)</b> Linea~ <i>Line~</i> Ligne~ <i>Línea~</i> Leitung~ <i>Lijn~</i>

## ITALIANO



### **DIRETTIVA 2012/19/UE DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 4 luglio 2012 sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE)**

Il simbolo del cassonetto barrato riportato sull'apparecchiatura o sulla sua confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti.

L'utente dovrà, pertanto, conferire l'apparecchiatura giunta a fine vita agli idonei centri comunali di raccolta differenziata dei rifiuti elettrotecnici ed elettronici.

In alternativa alla gestione autonoma è possibile consegnare l'apparecchiatura che si desidera smaltire al rivenditore, al momento dell'acquisto di una nuova apparecchiatura di tipo equivalente.

Presso i rivenditori di prodotti elettronici con superficie di vendita di almeno 400 m<sup>2</sup> è inoltre possibile consegnare gratuitamente, senza obbligo di acquisto, i prodotti elettronici da smaltire con dimensione massima inferiore a 25 cm.

L'adeguata raccolta differenziata per l'avvio successivo dell'apparecchiatura dismessa al riciclaggio, al trattamento e allo smaltimento ambientalmente compatibile contribuisce ad evitare possibili effetti negativi sull'ambiente e sulla salute e favorisce il reimpiego e/o riciclo dei materiali di cui è composta l'apparecchiatura.

## ENGLISH



### **DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE)**

The symbol of the crossed-out wheeled bin on the product or on its packaging indicates that this product must not be disposed of with your other household waste.

Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment.

The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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