



SYSTEM GUIDE

SYSTEMS WITH A LOW NUMBER OF WIRES

	IPvoice page 18	new 2Voice page 28	Bibus VOP page 38
Advantages and applications:	<p>Maximum extension: no limit to the number of users, riser columns, switchboards and conversations.</p> <p>Optical-fibre-ready.</p> <p>Ideal for large residential compounds with high integration needs (access control, switchboards, intrusion alarm systems, video surveillance systems, intercom systems).</p> <p>Self-diagnostic system for checking system state.</p>	<p>Two non-polarised wires THROUGHOUT for quick and easy installation.</p> <p>Ideal for villas and large residential complexes alike:</p> <p>4 main entrances, 32 risers, 128 users per riser column for a total of 4096 users.</p> <p>Free intercom function with four monitors in parallel, integral video surveillance, second entrance management.</p>	<p>VOP technology for creating door phone systems with up to 250 users, 12 calling stations and distances of up to 600 metres between calling station and apartment station.</p> <p>Easy creation of mixed audio and video door phone systems.</p>
Diagram:			

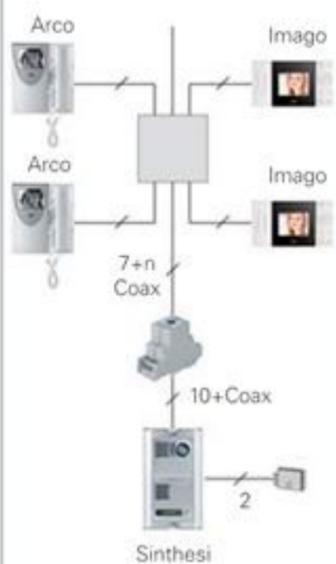
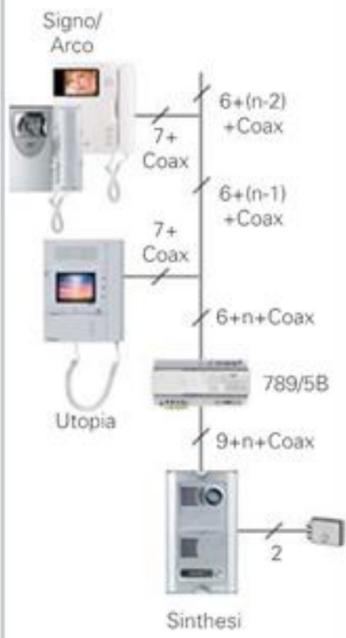
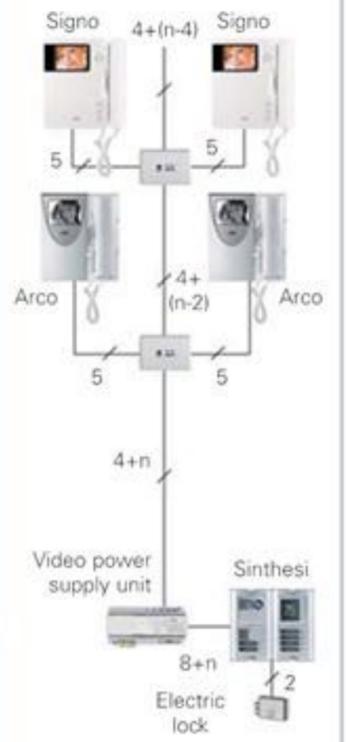
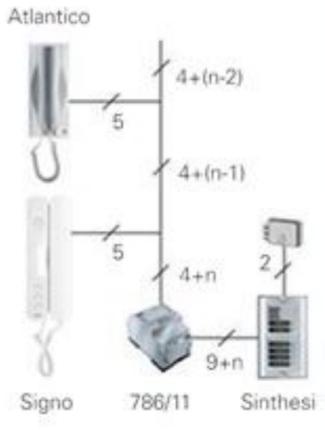
COMPARISON TABLE

No. of users	No limit	4096	256
Distance between call module and apartment station	No limit	600 m	600 m
Mixed audio/video	●	●	●
Conversation privacy	●	●	—
Intercom function	●	●	●
Main/secondary doors	No limit	4 main + 64 secondary	12 o 2 +10 sec.
Access control integration	●	●	●
Connection options Scaitel telephone switchboard	● (future)	—	●
Compatibility with video surveillance system	●	●	—
Technological alarm compatibility	●	—	—
Switchboard	● (No limit)	● (1)	● (1)
Use of existing wiring	—	●	●
Wire	1039/90 (not mandatory)	1083/90 (not mandatory)	1074/90 (not mandatory)
Kit	—	1783 series	—

APPLICATIONS

Small systems	—	●	—
Medium systems	●	●	●
Large systems	●	●	● (with limits)

● Yes.

	ANALOGICAL VIDEO SYSTEMS		ANALOGICAL AUDIO SYSTEMS	
Digivoice page 44	Coax page 50	5-wire page 50	4+n page 50	1+n page 50
<p>Advantages and applications:</p> <p>Only five wires to create systems for serving building compounds with over 3000 users and distanced between calling station and apartment station of up to 3500 metres.</p> <p>Up to 5 concierge switchboards.</p> <p>Two conversations at the same time from two main stations.</p> 	<p>Advantages and applications:</p> <p>Large distances between camera and monitors.</p> <p>4+n door phone with electronic call are used.</p> <p>Very high number of configurations with b/w and colour video door phones.</p> 	<p>Advantages and applications:</p> <p>Derived from the 1+n audio system for transforming 4+n audio system into video systems without adding a coaxial cable.</p> 	<p>Advantages and applications:</p> <p>Traditional and electronic call door phone are used.</p> <p>Systems with intercom service and conversation privacy function to door unit and systems with several automatically switching entrances can be made.</p> 	<p>Advantages and applications:</p> <p>Ideal for transforming a typical door bell system into complete door phone system without needing to add wires to the riser column.</p> <p>Conversation privacy guaranteed between apartments.</p> 
3200	20	20	20	20
3500 m	300 m	200 m	300 m	200 m
●	●	●	-	-
●	-	●	-	●
●	●	-	●	-
999	4 main or 1 main + No. secondary	4 main	4 main or 1 main + No. secondary	4 main
●	●	●	●	●
●	●	●	●	●
●	-	-	-	-
-	-	-	-	-
● (5)	-	-	-	-
-	●	●	●	●
-	Coax Rg59	-	-	-
-	1715 series	1715 series	1133 series	-
-	●	●	●	●
●	●	●	●	●
●	-	-	-	-



iPer voice

new



Advice for use:

Large residential compounds with a high level of users

- No limit to the number of users, riser columns, switchboards and conversations
- Optical-fibre-ready
- Integration with access control systems, switchboards, anti-intrusion systems, video surveillance and intercom systems
- Self-diagnostic system for checking system state
- Elekta dedicated entry panels: state-of-the-art communication functions and two variants: vandal-proof and soft-touch

IPer voice is the first digital, all-CAT5 system, with IP-compatible external wiring and dedicated riser protocol. With unlimited extension and number of riser columns, IPer voice is the ideal system for simplifying installation in residential compounds with a high number of users. Needs may also extremely varied in such large systems, and IPer voice has all the answers. Extremely versatile, it manages integrated access control, technological systems (CCTV, intrusion alarms, fire alarms) and many other functions, all from the video door phone system. IPer voice: Urmet research and innovation brings you a solution just waiting to be discovered. IPer voice CAT5 wiring means that a single cable is used for the entire backbone. By exploiting IP technology, several audio and video communications can be established at the same time.

COMPATIBILITY TABLE: STYLE

Multifunctional call module Elekta Steel and Elekta	Modo	Imago	Folio	Signo

Refer to the pages describing the various single products for technical details on the apartment station styles and on the entry panels which can be used in the system.



New features:

New soft-touch entry panel with TFT 3.5" colour display for versatile, innovative, high-performing communication

Fundamental or recommended elements

Outdoor IP wire 1039/90 • Gateway IP/CAT5 1039/50
IP system server 1039/1, 4 doors switches + 2 doors with 1039/45 power supply unit

Distance between entry panel and video door phone

Unlimited by using optical fibre

The numbers of the system

- Distance up to 900 metres from each building riser
- 1080 users in each building
- Up to 16 intercom devices in each apartment
- No limit to riser columns
- No limit to the number of switchboards
- No limit to the number of users
- No limit to the number of conversations at the same time
- No extension limit



New features:

The new touch-screen monitor conquers images: 7" colour display



New features:

Can be combined with the new Signo anthracite and platinum monitors using an IPvoice dedicated bracket.

VERY WIDE EXTENSION

IPervoice: single type of wiring for residential compounds with many buildings (each of which with its one garage door and pedestrian entrance), several concierge desks, common guarded areas with which audio/video communications can be established (garage, park, pool).



Optical-fibre-ready

Optical fibre can be used for special situations (distance higher than 100 metres or passage in conduits with power cables) in the IPervoice system: this makes system extension virtually unlimited.

Self-diagnostic functions

IPervoice constantly monitors the state of all system peripherals: the switchboard is immediately signalled in case of faults. The signals can be sent to a remote destination, for calling - for example - assistance and providing a more effective, punctual service.



Access control with evolved functions



Lift monitor



Intrusion alarm



Video surveillance



Switchboard and IP stations



Self-diagnostic functions



Once key for all functions

Access control

The system integrates access control with event memory for monitoring all movements at all entrances.

Switchboards

With IPervoice the concierge desk is turned into a service centre connected to all the buildings and apartments.

Intrusion alarm

The intrusion alarm of each apartment interfaces with the system for better monitoring and continuous surveillance of the concierge.

Video surveillance

No limit of installable cameras, which can be monitored at all times from each apartment to supervise safety of the compound.

Intercom function

Top quality communications inside and outside the apartment:

- up to 16 devices in each apartment, constantly interfacing, without using the riser column
- possibility of communicating with all other users in the system and with the various manned stations in common areas.

Video door phone mailbox

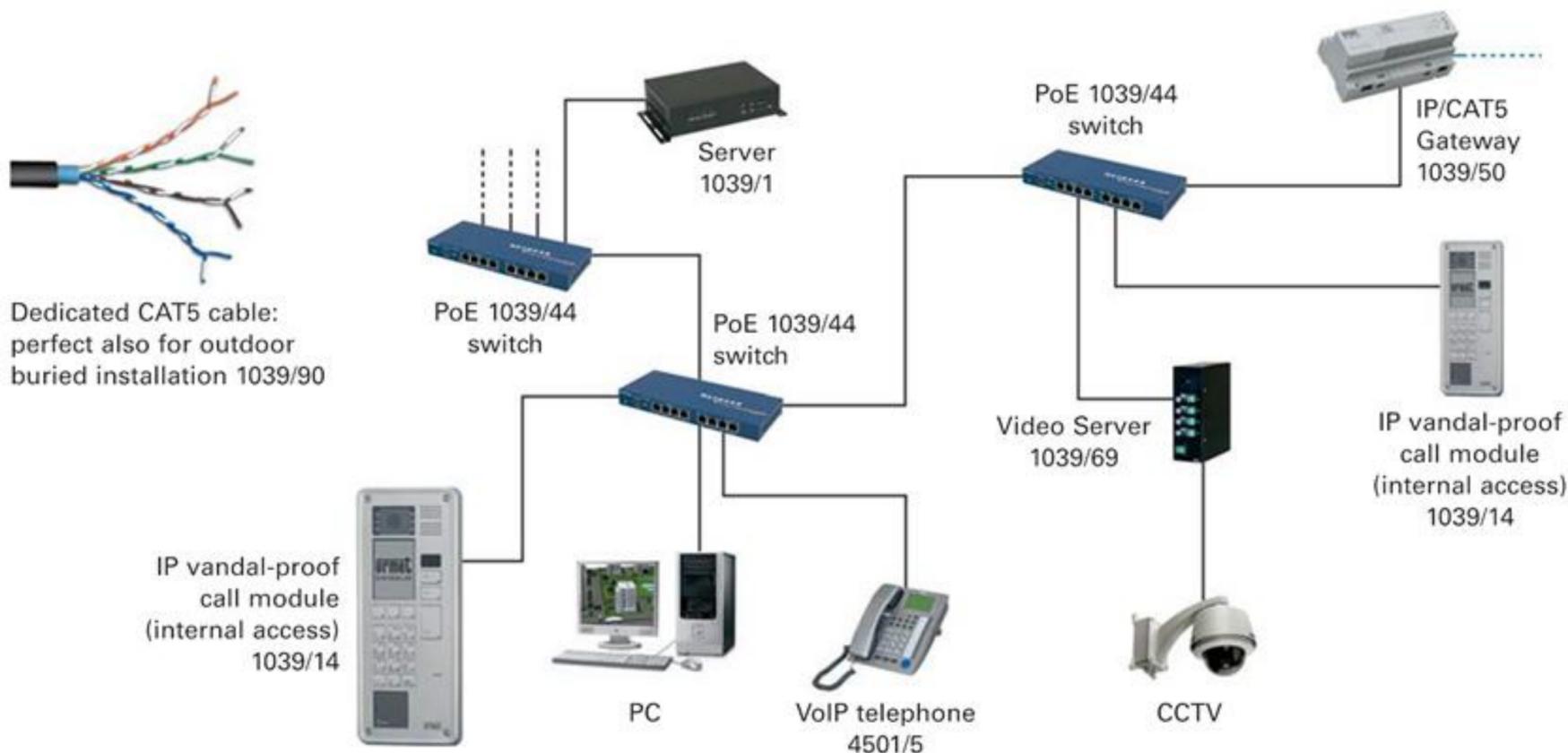
Each user can exploit the audio/video mailbox containing messages left by visitors when they were away.

EXTERNAL WIRING

Simplified installation

One wire for the entire system, the practicality of PoE switches for distribution, and IP technology: these elements allow installers to supply a very high-tech product to their customers, ensuring easy installation and optimised installation times and costs.

The extreme linearity and simplicity of the Ethernet wiring allow to satisfy all possible installation requests, turning the residential compound into a totally communicating area favouring function interoperability.



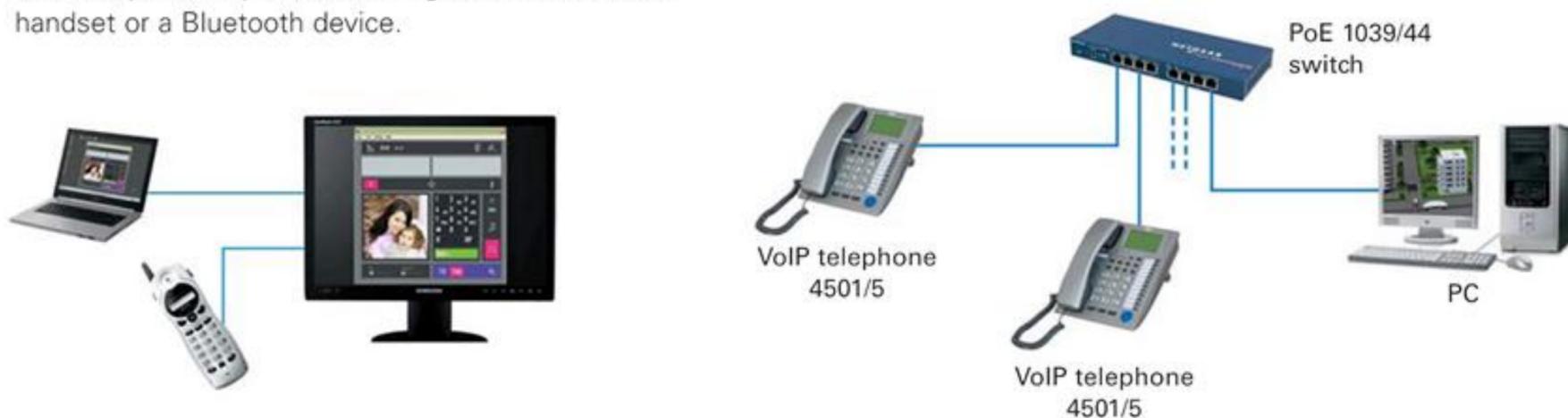
PC SWITCHBOARD AND VOIP TELEPHONE

From concierge to control centre

Ensuring supervision in contact with users and the system is key in large-sized residential compounds. The switchboard in an IPervice system can receive all system information: the PC can be used to monitor functions (including video surveillance) and to receive system state indications.

Furthermore, the switchboard may be associated to a group of users or to all users: communication with users and apartments is constant and mobile, with the possibility of transferring calls to a cordless handset or a Bluetooth device.

In addition to calls, the switchboard can receive alarms from apartments (intrusion alarms, panic alarms, etc.) and be turned into a state-of-the-art safety tool. Furthermore, the switchboard may use a VoIP telephone for calling and being called by everyone, activate typical switchboard operations (such as opening the door) and combining all traditional telephone functions at the same time.



IPERVOICE

INTERNAL WIRING

A dedicated, high-performance protocol

At the bottom of each building/staircase, a gateway translates IP language into a protocol capable of connecting up to 1080 users at a distance which can reach 900 metres. All floor distributors allow to carry signals towards apartments.

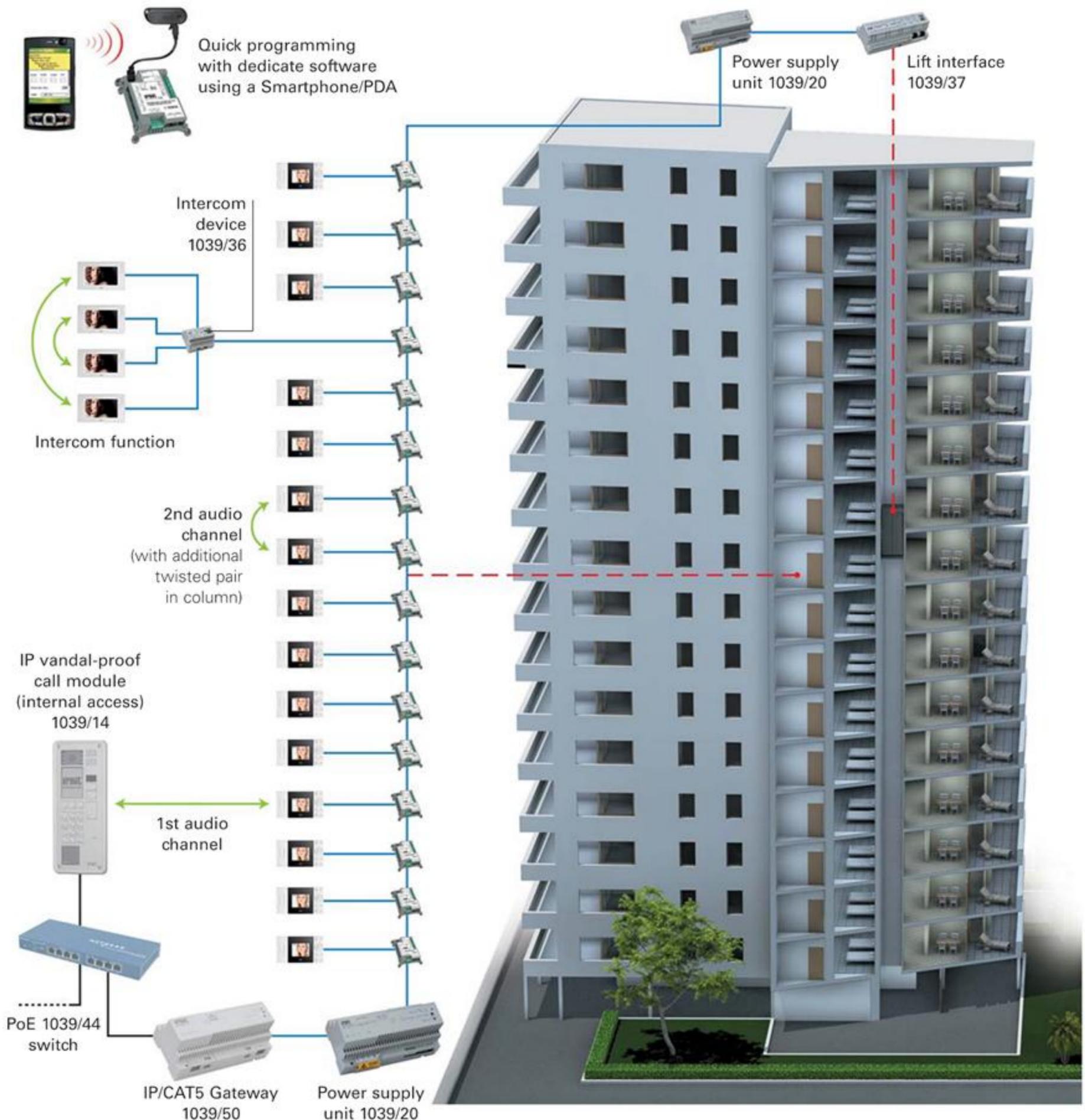
The entire installation, in column and apartment, is entirely made using a CAT5 cable. The number of risers is unlimited: your installation is served.

Intercom inside, never busy outside!

Even single apartments can enjoy the benefits of remarkable versatility.

Up to 16 devices can be installed, all fully intercommunicating without engaging the column audio lines.

Never busy: simply add a AWG24 twisted pair to the column to allow two audio communications at the same time.





INTEGRATED SYSTEMS

MORE POWER TO COMMUNICATIONS, MORE CHOICES OF DESIGN

Elekta is the dedicated IPvoice video door phone calling module line. Fully digital and with a single-block structure, Elekta is available in two versions. Elekta steel: linear, pure satin steel surface for top-level robustness and to guarantee the best vandal-proof performance. Elekta. Shapes, materials and treatments speak of technology, and are the ideal combination with IPvoice: this entry panel is characterised by modern finish, with a black mirror surface and touch button commands. Two designs, the same reliability.

This state-of-the-art entry panel range can manage the various IPvoice system functions, adding important utilities such as displaying the route for reaching the called user (a very convenient function in complex multiple building residential compounds) or the possibility of combining logos and images to names. Many features to be appreciated, all easy to manage.



elekta
steel



elekta

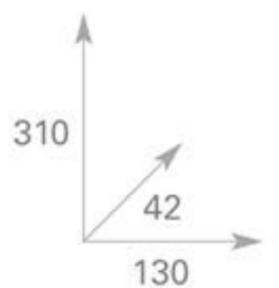
IPERVOICE

MULTIFUNCTIONAL CALL MODULE

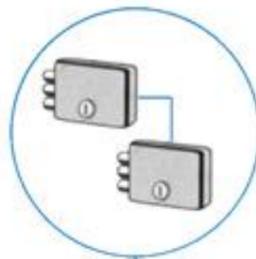
Versatile character, high functionality

Elekta and Elekta Steel offer top level functions and communications. This calling module – with two soft-touch and vandal-proof versions – manages two locks (for managing, for example a pedestrian entrance and a garage door) and is provided with integrated access control. It works with proximity key or code and has open door detection function. Elekta is also provided with a duress warning system allowing to open the door with a code and at the same time send a duress signal to the concierge.

The colour camera and light is standard. The alphanumeric keypad is simple and sophisticated, allowing for instance to leave messages if the called person is away. The calling module has an extra function for easier use by handicapped users: the call is sent to the concierge if several buttons are pressed at the same time. No calls are lost in this way. The entry panel can be installed flushed and on the wall. It can manage the various IPervoice system functions, adding important utilities such as displaying the route for reaching the called user (a very convenient function in complex multiple building residential compounds) or the possibility of combining logos and images to names. Many features to be appreciated, all easy to manage.



Compact dimensions (H x W x D) mm (16 mm protruding)



Two locks can be managed (garage door and pedestrian door, for example)



TFT 3.5" colour, with operation messages and guide for use. The display can also be used to leave audio/video messages if the called user is away and showing a map indicating how to reach the required building



Integrated special needs help (DDA)



Voice messages for operations in progress



Absence indication and audio/video message recording



Door open detection



Duress alarm



Vandal-proof steel entry panel



Door opening with proximity key or code

Standard wide-angle colour camera with presence detector

3.5" colour TFT display

Flush-mounted

Alphanumeric panel



1039/1



1039/20



1039/34



1039/36



1039/37



1039/41



1039/45

BASIC ELEMENTS

- | | |
|--|--|
|  1039/1 | IP system server
Intel Pentium 1GHz processor. With RJ45 port and two USB ports. Ready for mounted on wall and on DIN bar. With 2.5" HDD. Dimensions: 172 (width) x 55 (height) x 114 (depth). On/off button and LED, reset button. Power supply unit included. |
| 1039/100 | Set of 20 RJ45 connectors IP side
Set of 20 RJ45 connectors with "URMET" print for connecting compatible IP devices. |
| 1039/101 | Set of 20 RJ45 connectors column side
Set of 20 RJ45 connectors with "NO LAN" print for connecting IP IPer voice column devices. |
|  1039/20 | CAT5 column power supply unit
Power supply unit for IPer voice riser. Provided with two RJ45 connectors for inlet and output bus. With LED and trimmer for video signal equalisation. Dimensions: DIN bar (10 modules). |
|  1039/34 | CAT5 four-user distributor
Four user in column. With four RJ45 connectors for connecting users and two RJ45 connectors for input and output buses. Call floor for each user. Terminals for connecting the second audio channel to the column. Relay output for connecting to a floor alarm signal. |
|  1039/36 | CAT5 intercom device
For connecting four apartment devices (audio or video door phones) allowing intercom functions. Up to four devices in a cascade for a total of 16 devices in parallel and intercommunicating in the same apartment. DIN bar (6 modules). Local power supply with 1039/20. |
|  1039/37 | CAT5 lift interface
Allows to supply door open information to the lift control unit of the building. Provided with 24 NO/C/NC relay outputs which can be associated to each user or group of users. Up to eight devices can be connected in cascade for a total of 192 commands. DIN bar (12 modules). Locally powered by 1039/20. |
|  1039/41 | PC concierge switchboard
Atlantico door phone with USB connector and A/V plug for connection to PC. Provides audio door phone connection to concierge switchboard application. |
| 1039/44 | 4 ports + 4PoE switch
Switch with 8 ports, of which four PoE. 110-230 Vac/50-60 Hz power supply unit. |
|  1039/45 | 4PoE + 2 ports switch with power supply unit
Switch with 6 ports, of which four PoE. Operations with extended temperature range (-40° +75°C). 100-240 Vac/50-60 Hz power supply unit provided. Arranged for assembly on DIN bar. |

IPERVOICE



1039/50



1039/56



1039/69



1039/88



1039/90



1039/13



1039/14

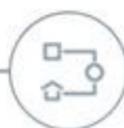
BASIC ELEMENTS

 1039/50	IP/CAT5 gateway For interfacing IP backbone with riser column. DIN bar (10 modules).
 1039/56	Bluetooth programming device Interface for programming column devices using mobile phone or PDA. Provided with adapter cable.
1039/61	Apartment alarm interface Interface board to be arranged inside URMET units 1061/004 and 1061/006.
 1039/69	IPervoice Video Server For connecting 4 traditional cameras. The images are conveyed to IP bus and displayed on devices in the system (monitor, switchboards).
1039/80	IP special decoder For activating/deactivating loads or other functions on IP backbone.
 1039/88	Sinthesi IP reading head IP bus proximity key reader.
 1039/90	IP outdoor cable CAT5 for buried installation. For use on common backbone. 100 metre reel.

LOUDSPEAKING UNIT

Code	With keypad	With buttons	Panel type	Number of modules	Number of integrated buttons	Notes
 1039/13 new	•	-	Elekta Soft Touch	2	-	Digital panel, IP protocol, soft-touch front. With 3.5" colour display, alphanumeric keypad, arrow buttons for scrolling the name directory, colour camera and light, audio unit and proximity key reader.
 1039/14	-	•	Elekta Steel	2	2	Digital panel, IP protocol, vandal-proof front. With 3.5" colour display, alphanumeric keypad, arrow buttons for scrolling the name directory, colour camera and light, audio unit and proximity key reader.
1039/72	-	•	Elekta	2	2	Integrated audio unit, colour camera and LED light, two door opening outputs, hall door button, two door indicator, two inputs for additional surveillance cameras.

• Yes.



VIDEO APARTMENT STATION

Code	Door phone system	Bracket	Video door phone or monitor + bracket kit	Model	Audio type	N. of buttons in addition to door opener button	Notes
1139/2	•	-	-	Signo	With receiver	3	With door opening button and three additional service buttons (garage door, message inbox, call to switchboard, activations, intercom). Adjustable calling volume.
1740/95	-	•	-	Signo	With receiver	-	Bracket for Signo monitor b/w1740/1 and colour 1740/40 -/41 -/42. Connection using UTPCAT5/5e/6 cable and RJ45 connector. Ready for floor call connection. Panic button input.
 1707/95 	-	•	-	Imago	Hands-free	-	Bracket for Imago colour hands-free monitor 1707/1. Connection using UTP CAT5/5e/6 cable and RJ45 connector. Floor call ready. Panic button input.
 1717/1  new	-	-	•	Modo	Hands-free	-	7" touch-screen colour monitor. Connection to Ipervoice riser column with UTPCAT5/5e/6 and RJ45 connector. Floor call ready. Panic button input. Allows to all any system user by means of a virtual keypad on screen. No separate bracket needed.
 1706/7  new	-	-	•	Folio Black	Hands-free	-	Hands-free monitor with 3.5" TFT colour display. No bracket needed. 31 intercom calls, hands-free audio, additional services, door opener, adjustable call volume with mute and LED indication.
new 1706/8 	-	-	•	Folio White	Hands-free	-	Hands-free monitor with 3.5" TFT colour display. No bracket needed. 31 intercom calls, hands-free audio, additional services, door opener, adjustable call volume with mute and LED indication.

See the dedicated section for more information on loudspeaking units.

ACCESSORIES

1145/53	Sinthesi flush-mounting box, 3 modules, for entry panel 1039/13
1158/43	Flush-mounting box, three metallic modules for 1039/14 entry panel
 4501/5	VoIP telephone



4501/5

 Colour.  Yes.



2VOICE **new**



Advice for use:

Villas and villa compounds |
Blocks of flats | Restoration |
Residential compounds

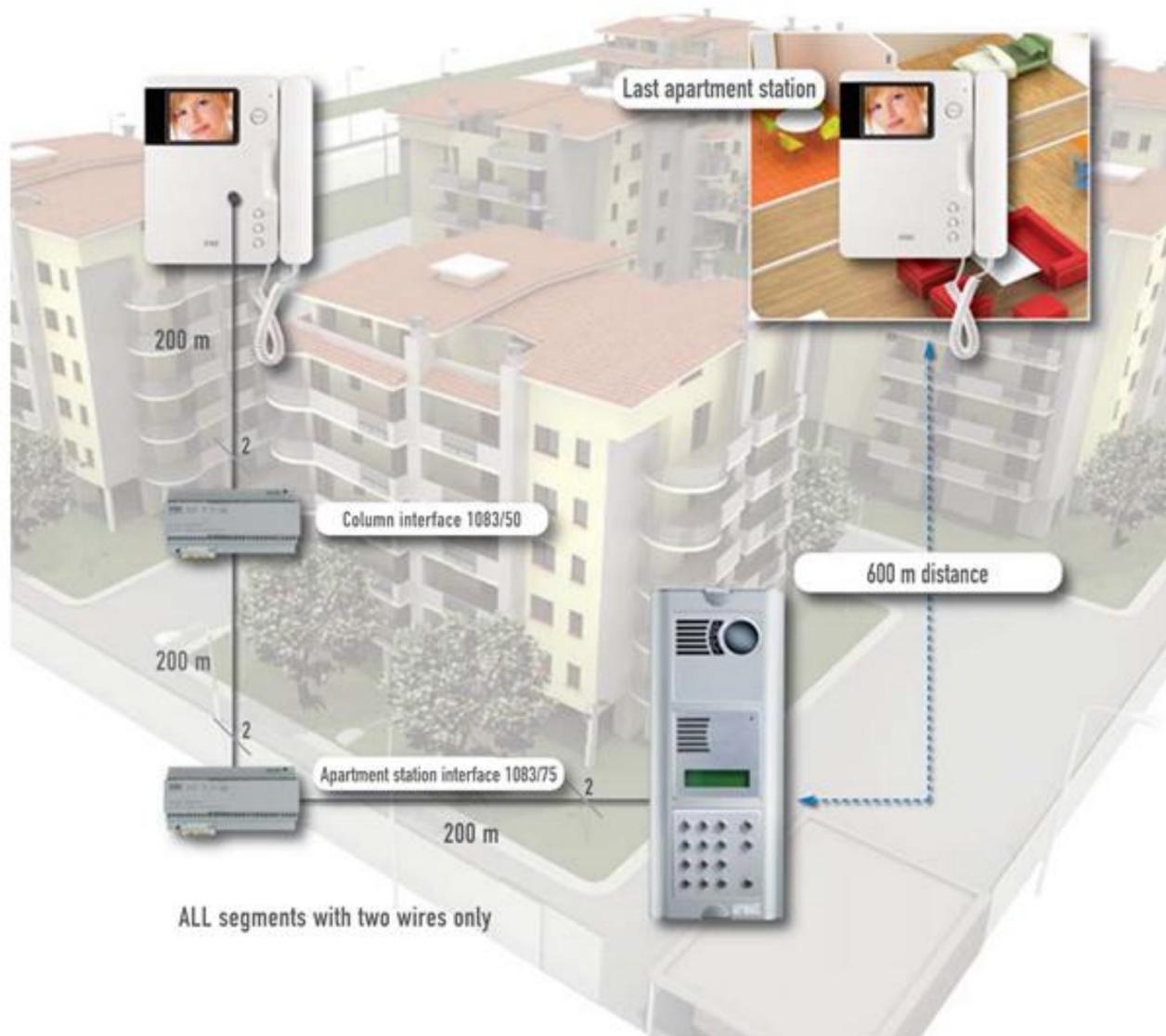
- Two wires throughout for quick and easy installation
- Restoration using existing wires
- Maximum flexibility: from villas to residential compounds with two wires
- One concierge switchboard
- Free intercom function
- Double entrance door lock operation from any device
- Standard open door detector
- Integrated video surveillance
- Adjustable call volume with Mute and selectable tones

2Voice is the new two non-polarised wire system for top functions in total ease. 2Voice was designed with installers and their work in mind. It translates customer needs into innovation and advantages. Only two wires, from the entry panel to the apartment station. Up to 4096 users, quick and easy live system dip switch programming. Free intercom function and two CCTV cameras without add-on modules. Building restoration installation without needing to replace the existing wires and a wide, renewed range of monitors and entry panels. These are only some of the advantages of the system which brings something more to the market, with flexible solutions, ideal for applications spanning from villas and blocks of flats, to residential compounds.

2Voice adds the advantage of total reliability to function versatility: entirely designed and made in Italy, the system is developed by applying strict standards and processes monitored by a meticulous quality control system.

New features:

**Technology and style:
the new soft-touch
monitor range.**



Recommended elements
Wire 1083/90 or 1083/92
Distance between entry panel and video door phone
600 m

The numbers of the system
- 2 wires THROUGHOUT
- 128 users per riser column
- 2 entry panels per riser column
- 32 risers
- 4096 users
- 4 common main entrances
- Up to 600 metres between entry panel and apartment station
- 200 metres from power supply to entry panel
- 1600 metres of extension in common part
- 800 metres of extension on each riser column
- 4 monitors and/or door phones in parallel
- 5 surveillance cameras for each entry panel
- 2 entrances managed from a single entry panel

COMPATIBILITY TABLE: STYLE				
Sinthesi	Aiko	Folio	Signo	Atlantico

Refer to the pages describing the various single products for technical details on the apartment station styles and on the entry panels which can be used in the system.

COMBINATION KITS			
1783/601	1783/602	1783/621	1783/622

See page 124 for details on kits.

2VOICE

INSTALLATION AND FUNCTIONS

The advantages of quick and simple installation

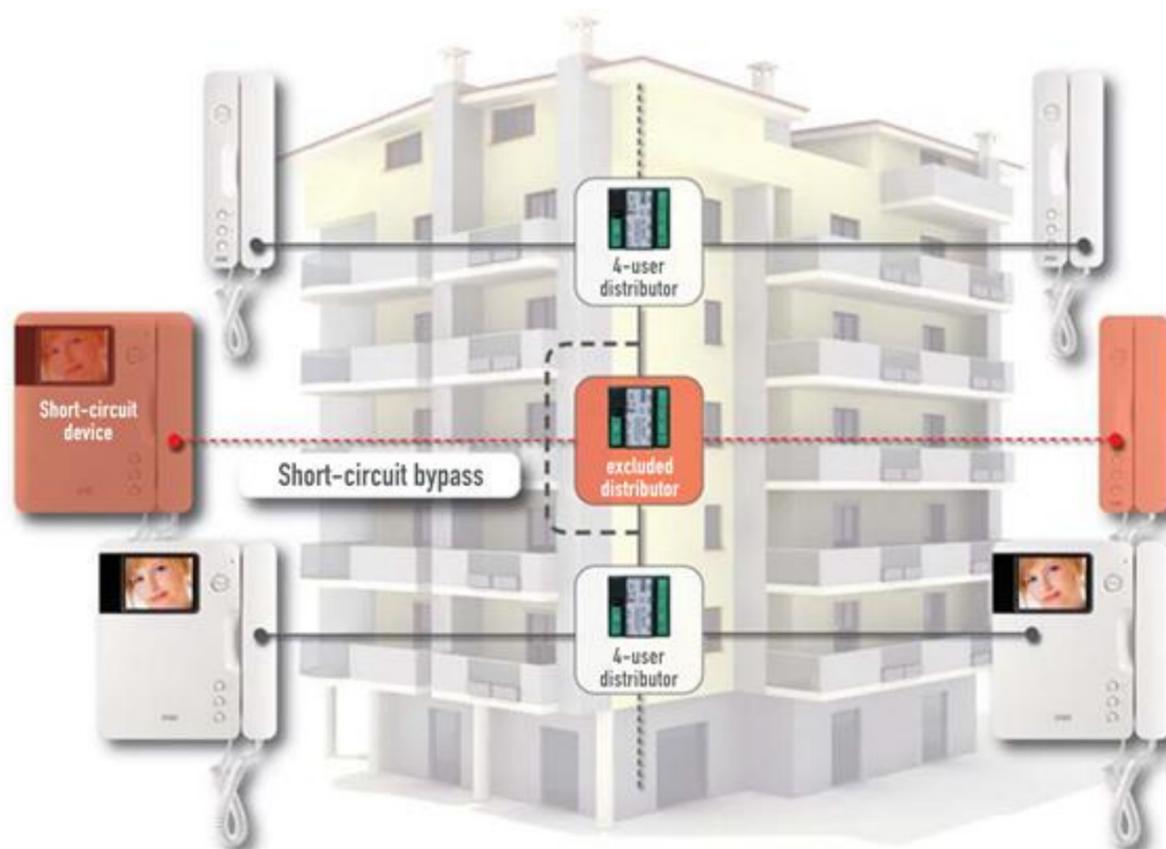
Only two wires. Throughout. Two wires from the entry panel to the power unit. Two wires also for equipping the system with important advanced functions: supplementary activations, intercom, switchboard. In restorations, the system can be renewed easily without needing to replace wires.

Also in programming, 2Voice allows to optimise times and maximise gains: the system is configured by means of dip switches and names and users may be programmed on the entry panel via PC or transmitted directly using a smartphone keypad with Bluetooth connection.

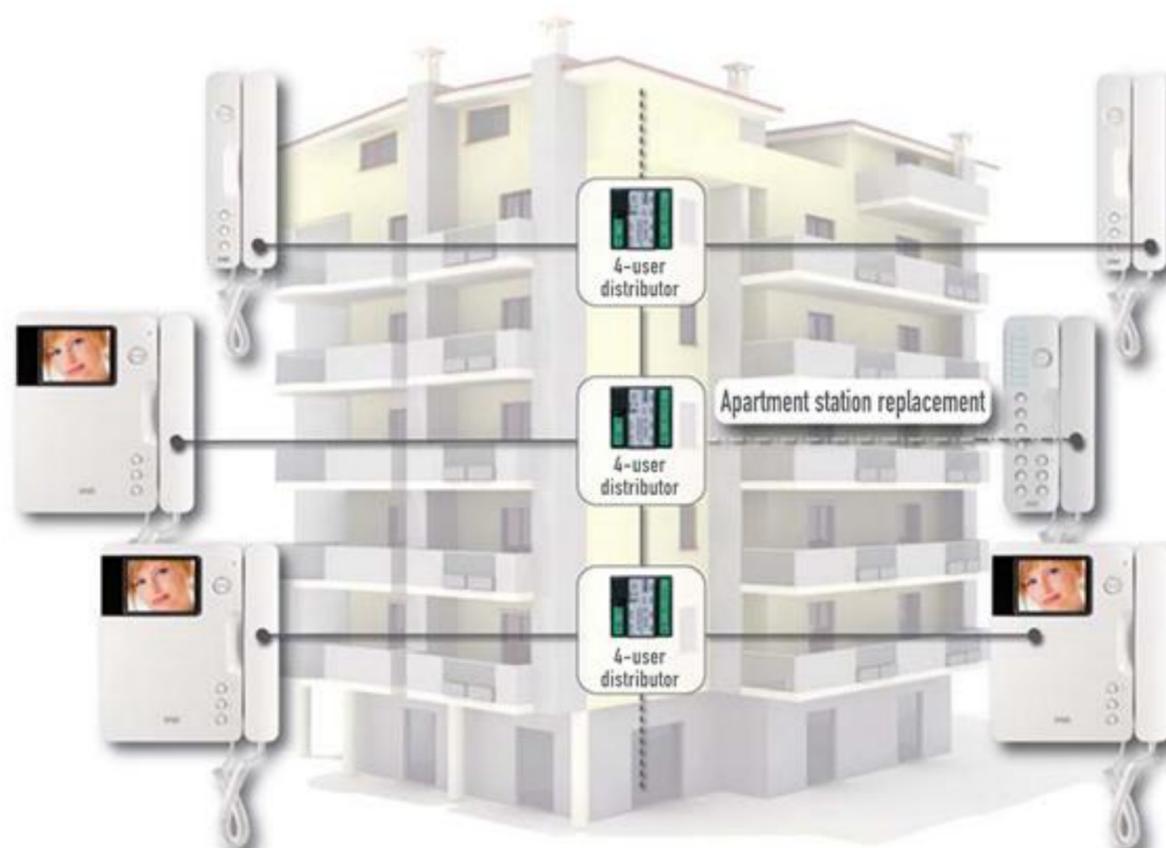
2Voice offers the best guarantees even after installation. All maintenance operations are simplified: devices can be added or replaced with the system live – this saves time and is convenient for users.

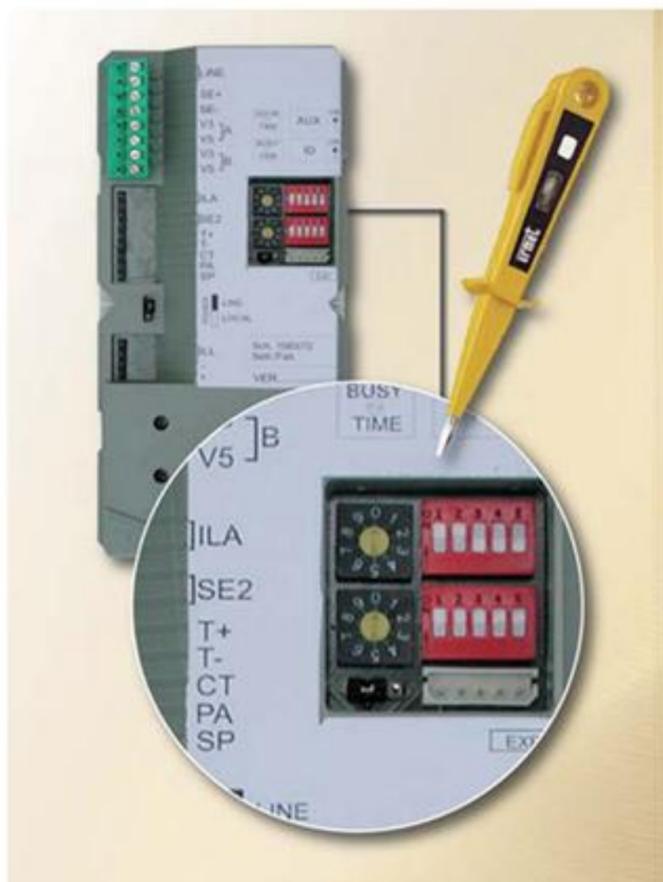
Furthermore, only 2Voice has a short-circuit protection system which bypasses a distributor associated to the faulty device. In this manner, all functions remain active for the users not concerned by the fault: this is an advantage for users and allows installers to locate the origin of the fault at ease.

The system is always up and running even in presence of a short-circuit in an apartment. Safety is guaranteed and faults can be quickly located.



Devices can be replaced with the system live: uninterrupted service for users, easier procedures for installers with the advantage of shorter working times and guaranteed top level security.





Faster and easier dip switch programming.

Functionality to the advantage of communications and safety

Communications in apartments and between apartments are unlimited with 2Voice: maximum freedom in connecting to any apartment in the compound. Three call buttons are standard on all audio and video door phone models, extendable to nine buttons on Signo with the button add-on and up to 32 if the Folio and Aiko models are chosen. Without needing any additional devices, one supplementary service can be activated (for example, for turning the lights on in the staircase or garden). Other functions can be implemented by adding relays.

Furthermore, standard system safety features include open door detector and second entrance management to open the garage door or a second pedestrian gate directly from the apartment unit by using the on-board relay: a facilitated opening system for users requiring no additional work for installers.

Above all, 2Voice integrates video surveillance: two cameras can be directly connected to the entry panel without additions and up to five can be connecting using a cyclic switch for each entry panel for complete control of concerned areas. CCTV management is simple and practical: each camera can be called up using cyclic selection from the video door phone apartment station. Accessible monitoring for everyone at all times.



Easy name addition: using spreadsheet and sending data using a smartphone with Bluetooth connection (already fitted inside the entry panel).



With 2Voice convenience is standard and users can be associated without constraints.



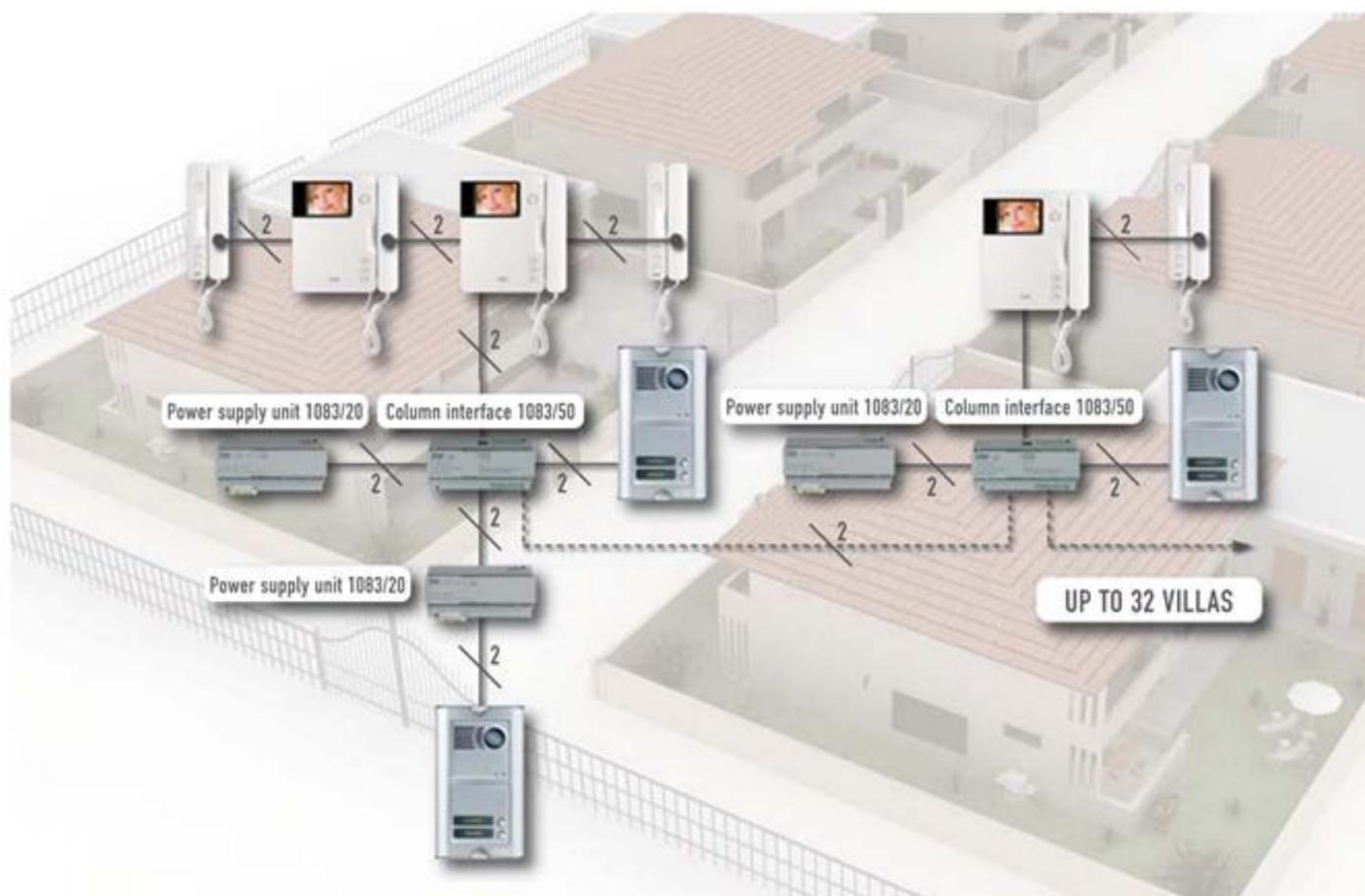
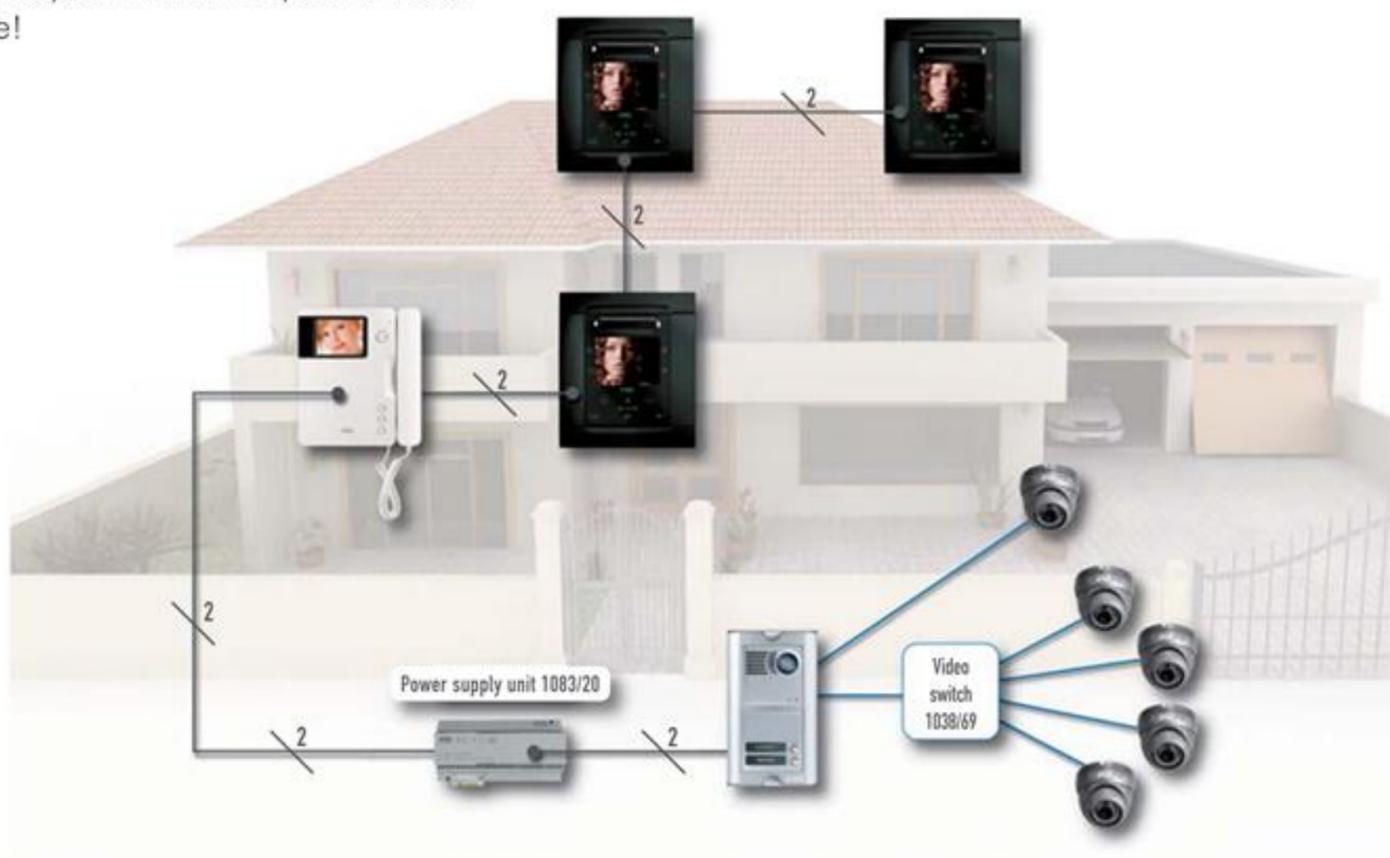
Two cameras can be immediately implemented in the system and up to five can be installed with the addition of a single cyclic switch.

2VOICE

ONE SOLUTION FOR ALL NEEDS

Villas

With 2Voice, effective, practical solutions systems with a low number of users demanding high performance requirements are available. In this way, villas and villa compounds can benefit from a system with integrated video surveillance on monitor, cyclic camera selection function, double entrance management (pedestrian and garage), intercom functions, additional service activation, such as water sprinklers and staircase lights. And what about villa compounds? With the same ease, simply by multiplying the elements according to the number of buildings. Here is a system which is quick to install and easy to estimate!



Blocks of flats and renewal

2Voice can be used to easily convert nearly all the solutions on the Italian market.

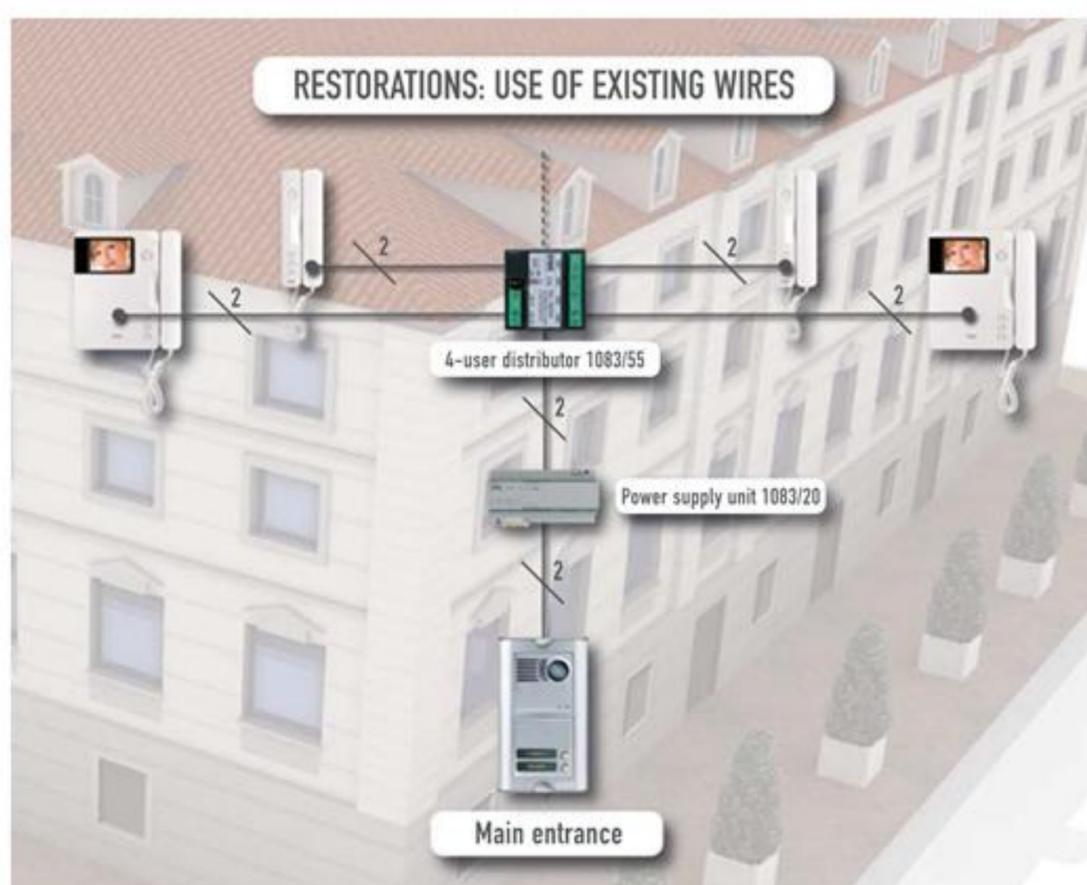
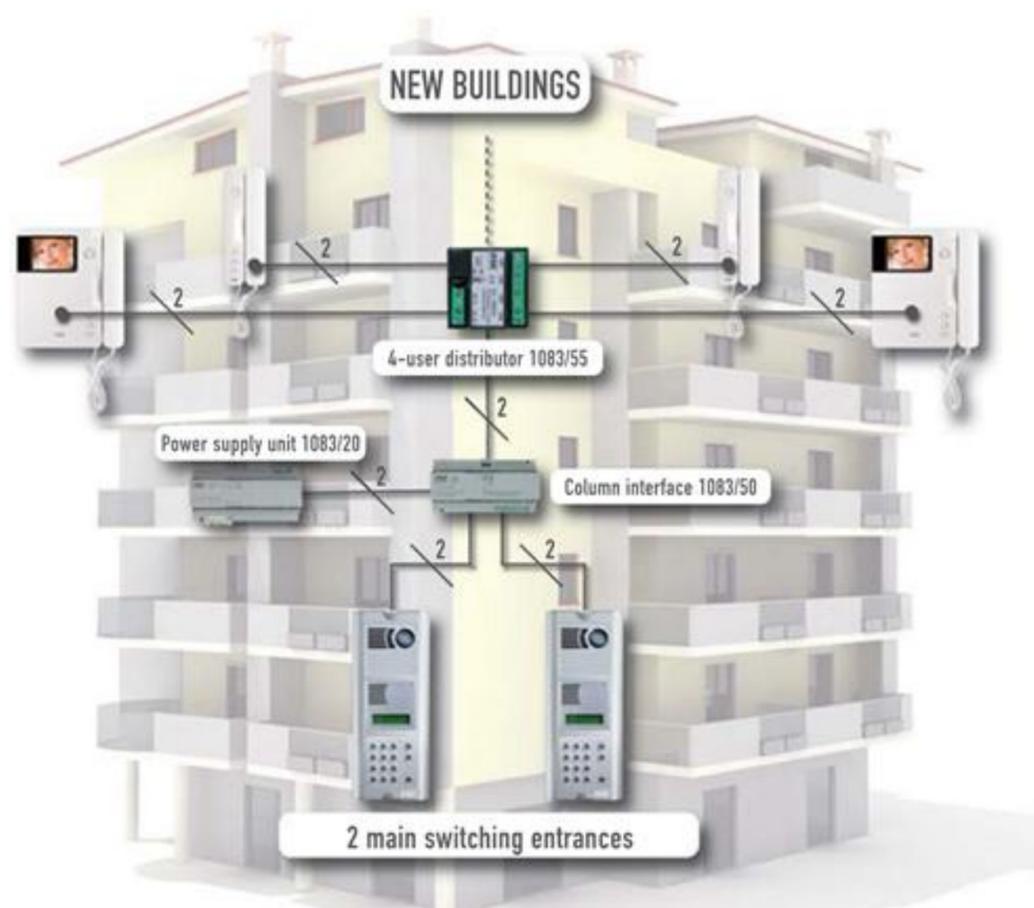
No wire replacements are needed in restoration jobs, so common in everyday assignments. This means that new performance and modern functions can be implemented using the existing wires.

In new buildings, making systems with up to 128 users is extremely easy.

According to needs, four-users distributors can be fitted

in the wiring system in in-out mode (up to 32 video or 128 audio users) or alternatively in mixed mode.

Devices not necessarily in the same apartment can be combined in parallel: e.g. apartment, loft and basement belonging to the same user can all be called at the same time for receiving door calls from visitors and intercom calls. In this way, the devices are physically installed in three different zones and no additional wires are needed.



NOTE: See the wire compatibility table on page 35 for extensions, distances and number of users.

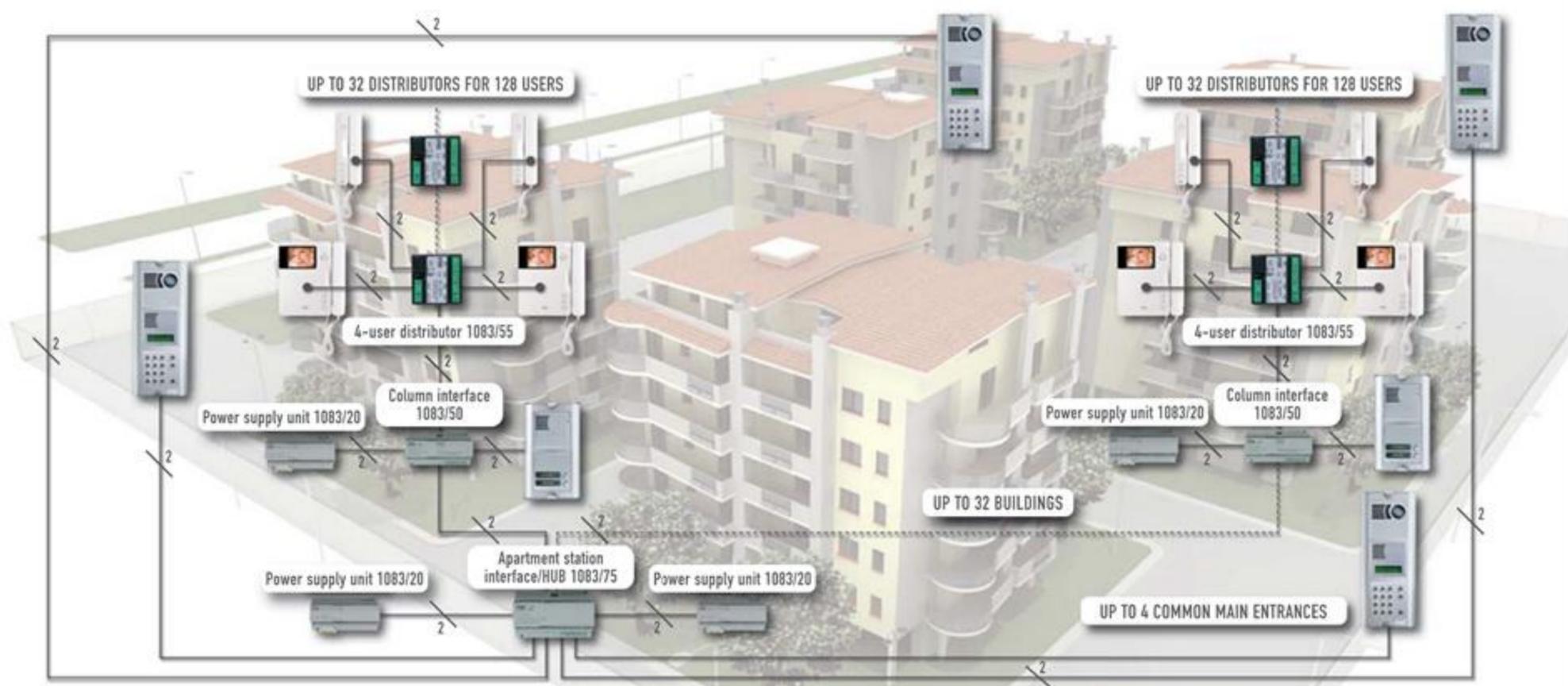
Residential compound

2Voice is the only system capable of satisfying the needs of building compounds with up to 4096 users and 27,200 metres of total wiring with ONLY two wires in each segment.

Up to four common entrances may be present in the compound and each building may have two secondary switching entrances in turn.

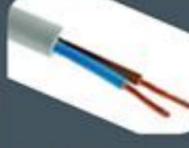
A concierge switchboard can be installed to further expand the advantages of the system.

All maintaining cyclic control on external cameras and supplementary function activation (garden lane lights, watering sprinkler systems, staircase lights, etc.).



NOTE: See the wire compatibility table on page 35 for extensions, distances and number of users.

WIRE COMPATIBILITY TABLE

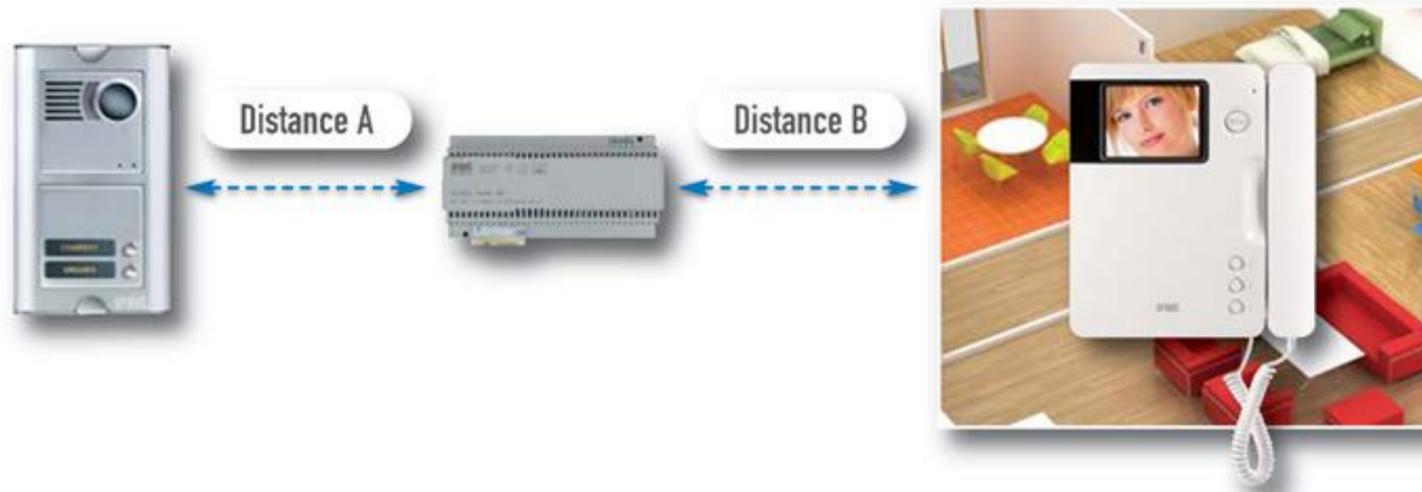
	WIRES	MAX. USERS	MONITORS	A M. BETWEEN ENTRY PANEL AND POWER SUPPLY UNIT	B M. BETWEEN POWER SUPPLY UNIT AND MONITOR	Extension M*
	2Voice wire	128	Colour	200	200	800
			B/W	200	200	800
	White/red double diameter 0.6 m without sheath	64	Colour	100	150	600
			B/W	100	125	600
	CAT5 UTP (1 twisted pair)	64	Colour	100	125	800
			B/W	100	75	800
	HV05-F rubber covered 1.5 mm ²	128	Colour	50	125	300
			B/W	50	125	300
	Urmet wire 7057/235 blue/red	64	Colour	50	125	300
			B/W	50	125	300
	Single wire cross-section area 1 mm ² **	32	Colour	50	75	150
			B/W	50	75	150

Contact the sales and/or assistance network for further indications on using existing wires.

When using multipolar cables, NEVER short-circuit several conductors to increase the wire cross-section area.

* Extension is the sum of all cabled segments both in apartment and in riser column to the entry panel.

** Single cables must be installed in tube with maximum diameter of 32 mm.



2VOICE



1083/20



1083/50



1083/55



1083/75



1083/92



1083/40



1083/96

BASIC ELEMENTS new

-  **1083/20** **System power supply unit**
 Used for 2Voice system. Assembly on DIN bar (10 modules).
 230Vac 50-60Hz. Output 48Vdc

-  **1083/50** **Column interface**
 Device used for uncouple riser columns in complex 2Voice systems.
 Ready for assembly on DIN bar (10 modules).

-  **1083/55** **4-user distributor**
 Floor distributor. Connection for input bus, output bus and 4 apartment extensions.
 Equipped with output short-circuit protection.
 Dimensions 45 x 45 x 16 mm (WxHxD)

-  **1083/75** **Entry panel interface**
 Device used to connect several main entry panels in 2Voice systems.
 Ready for assembly on DIN bar (10 modules).

- 1083/90** **2Voice wire. 100 metre reel**
 2Voice system wire. 2x1 mm². External diameter 6.5 mm. 100 metre reel.

-  **1083/92** **2Voice wire. 200 metre reel**
 2Voice system wire. 2x1 mm². External diameter 6.5 mm. 200 metre reel.

-  **1083/40*** **Concierge switchboard**
 Provided with alphanumeric keypad, display and receiver.
 Provides typical concierge functions. Day/night mode operation.
 Allows to combine a colour video module 1732/41 with corresponding
 bracket 1732/91.

ONE- AND TWO-FAMILY KITS new

- 1783/601** **2Voice one-family kit with Sinthesi and Signo b/w**
 Consisting of Sinthesi entry panel 1083/72, two-module frame and flush-mounting
 box, Signo monitor 1740/1, wall assembly bracket 1740/83 and power supply unit
 1083/20.

- 1783/602** **Sinthesi Signo b/w two-family kit**
 Consisting of Sinthesi entry panel 1083/72, two-module frame and flush-mounting
 box, 2 Signo monitors 1740/1, 2 wall assembly brackets 1740/83 and power supply
 unit 1083/20 and 4-user distributor 1083/55.

- 1783/621**  **Sinthesi Signo colour one-family kit**
 Consisting of Sinthesi entry panel 1083/72, two-module frame and flush-mounting
 box, Signo colour monitor 1740/40, wall assembly bracket 1740/83 and power
 supply unit 1083/20.

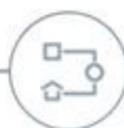
- 1783/622**  **Sinthesi Signo colour two-family kit**
 Consisting of Sinthesi entry panel 1083/72, two-module frame and flush-mounting
 box, 2 Signo colour monitors 1740/40, 2 wall assembly brackets 1740/83 and
 power supply unit 1083/20 and 4-user distributor 1083/55.

ACCESSORIES new

-  **1083/96** **Button add-on for Signo monitor**
 Provided with 6 buttons for intercom calls or special functions, 1 button and 2
 LEDs for automatic door opening function management and signalling, door open
 indication.

- 1083/80*** **2Voice special decoder**
 Ready for assembly on DIN bar (6 modules). Allows users to activate loads
 by pressing a button or following an event.

 Colour.  Yes. *To be released soon.



1083/72



1183/2



1183/3



1740/753



1706/5



1716/2

LOUDSPEAKING UNITS **new**

Code	With keypad	With buttons	Panel type	Number of modules	Number of integrated buttons	N. of directly connectable buttons	Notes
1083/13*	•	-	Sinthesi	2	-	-	Backlit keypad, LCD, integrated audio unit.
 1083/72	-	•	Sinthesi	2	2	-	Integrated audio unit, colour camera with LED lighting, 2 door opener outputs, hall button, open door indicator input, 2 additional surveillance camera inputs.
1083/7	-	•	Sinthesi	2	2	-	Integrated audio unit, 2 door opener outputs, hall button, door open indicator, 1 input for external camera connected to calls and 1 input for additional surveillance camera.
1083/8*	-	-	Exigo	-	-	-	To be used in combination with 1038/17 module (1 x 16 users).

APARTMENT STATIONS **new**

Code	Door phone system	Bracket	Video door phone or monitor + bracket kit	Model	Audio type	N. of buttons in addition to door opener button	Notes
1183/1	•	-	-	Atlantico	With receiver	1	Button for opening door and second garage electric lock. Switchboard call.
 1183/2	•	-	-	Signo	With receiver	3	3 buttons for auxiliary functions (call to switchboard, intercom, additional service activation). Call volume adjustment. Mute with visual indication. Opening of 2 locks related to the same door phone entrance (pedestrian or garage).
 1183/3	•	-	-	Signo	With receiver	10	Allows up to 9 intercom calls.
new 1740/83	-	•	-	Signo	-	-	2Voice bracket for Signo monitor. Compatible with b/w monitor 1740/1 and colour monitor 1740/40 -/41 -/42; ready floor call connection and supplementary ringer.
1740/713	-	-	•	Signo	With receiver	-	Formed by 1 Signo b/w monitor 1740/1 and one bracket 1740/83.
 1740/753	-	-	•	Signo	With receiver	-	Formed by 1 Signo colour monitor 1740/40 and one bracket 1740/83.
 1706/5*  new	-	-	•	Folio Black	Hands-free	-	Hands-free monitor with 3.5" TFT colour display. Soft touch commands. No bracket needed. 31 intercom calls, hands-free audio, additional services, door opener, adjustable call volume with mute and LED indication.
new 1706/6* 	-	-	•	Folio White	Hands-free	-	Hands-free monitor with 3.5" TFT colour display. Soft touch commands. No bracket needed. 31 intercom calls, hands-free audio, additional services, door opener, adjustable call volume with mute and LED indication.
 1716/1*  new	-	-	•	Aiko Black	Hands-free	-	Hands-free monitor with 4.3" TFT colour display. Soft touch commands. No bracket needed. 31 intercom calls, hands-free audio, additional services, door opener, adjustable call volume with mute and LED indication.
new 1716/2* 	-	-	•	Aiko White	Hands-free	-	Hands-free monitor with 4.3" TFT colour display. Soft touch commands. No bracket needed. 31 intercom calls, hands-free audio, additional services, door opener, adjustable call volume with mute and LED indication.

See the dedicated section for more information on apartment stations. *To be released soon.



BIBUS VOP



Advice for use:

**Large blocks of flats
with switchboard
and mixed mainly audio systems**

- **Ideal for door phone systems with up to 250 users**
- **VOP technology**
- **Easy creation of mixed audio and video door phone systems**
- **Concierge switchboard function**

VOP technology is used to create door phone systems with up to 250 users, 12 calling stations and distances of up to 600 metres between calling station and apartment station simply by using two non-polarised wires.

Numbers speak for themselves!

Ideal for simple blocks of flats with a single entrance door and one rising column, Bibus VOP is the answer also for complex compounds with several buildings and several staircases, in which common entry panels and secondary entry panels for each staircase are needed.

The flexibility of the system is demonstrated by its functions: a concierge switchboard capable of storing up to 100 calls can be installed.

The switchboard can intercept calls, and the day/night switching function increase system flexibility.

Furthermore, by using special decoders and apartments station add-on modules, a variety of supplementary functions can be implemented in each system (such as switching the staircase lights on, opening the garage door and many, many more) without needing to add wires

Distance between entry panel and video door phone
Up to 600 m.

The numbers of the system

- Up to 12 calling stations
- Up to 3 apartment stations in parallel
- Switchboard with possibility of storing 100 calls



to the column, to adapt the system to the needs of each user. The system is compatible with the entire Urmet catalogue range. Each apartment station can be chosen according to requirements and up to three apartment stations can be installed in parallel.

Maximum freedom also in entry panel style: traditional panels and digital panels are available.

COMPATIBILITY TABLE: STYLE

Imago	Signo	Utopia	Arco	Atlantico
Exigo	Sinthesi	K-steel	Mod. 725	

Refer to the pages describing the various single products for technical details on the apartment station styles and on the entry panels which can be used in the system.



BIBUS VOP mod. 1072

BASIC ELEMENTS FOR AUDIO AND VIDEO LOUDSPEAKING UNIT COMPATIBILITY

1074/54	VOP floor video distributor, 4 users For use in systems with floor distribution No dedicated power supply is needed. Dimensions: 95 (W) x 64 (H) x 28 (D) mm. Wall mounted.
1795/40	DE video distributor For distribution of video signal between primary and secondary in VOP systems.
 1742/13A	Coax to 5-wire camera adapter device Adapter device for coax to 5-wire video signal for VOP video systems.
1074/20	VOP Bibus power unit. Installation on 10 DIN module bar To power a video door phone column in VOP system. Arranged for assembly on DIN bar (10 modules). Dimensions: 180 (W) x 90 (H) x 75 (D) mm. Power: 50VA
1072/24	Bus coupler with built-in power unit Manages up to 50 apartment stations on one or two spines. Short-circuit spine cut-off to ensure operation of rest of system in event of failure in one spine (with LED failure indicator). Up to 12 couplers can be fitted in each system. With staircase light control relay. Dimensions: 216 (W) x 90 (H) x 75 (D) mm. (12 DIN modules) Power: 37 VA. Output voltage: 22Vdc
 1072/42	Bibus switchboard. Ready for table-top or wall mounting Suitable for use in Bibus VOP systems. Main features: call interception from calling stations, communication to and from all apartment stations, day/night service, electronic directory with tenants' names, missed call memory. With graphic display and backlit keypad. May be used in combination with colour video module 1732/41.



1742/13A



1072/42



1072/13



1072/14



1072/7



1072/5



1172/50



1172/46



1705/954

LOUDSPEAKING UNIT

Code	With keypad	With buttons	Panel type	Number of modules	Number of integrated buttons	Directly connectable buttons	Notes
 1072/13	●	-	Sinthesi	2	-	-	Backlit keypad, LCD display, integrated audio unit
 1072/14	●	-	K-Steel	2	-	-	Backlit keypad, LCD display, integrated audio unit
 1072/7	-	●	Sinthesi	1	-	18	Integrated audio unit, audio level adjustment trimmer
 1072/5	-	●	K-Steel	1	2	8	Integrated audio unit, audio level adjustment trimmer
1072/19A	-	●	Exigo or 725	-	-	18	Integrated audio unit, audio level adjustment trimmer

VIDEO APARTMENT STATION

Code	Door phone system	Bracket for video door	Model	Audio type	N. of buttons in addition to door opener button	Notes
 1172/50	●	-	Signo	With receiver	2	Button for switchboard call and one auxiliary service. Connects to decoders 1038/34, 1038/35 and 1038/38.
1172/55	●	-	Signo	With receiver	3	Button for switchboard call and two auxiliary services. Connects to decoders 1038/34, 1038/35 and 1038/38.
1172/43	●	-	Utopia	Hands-free	2	Call volume adjustment. Mute with visual indication. Switchboard call button. Switching staircase lights on. Hand-free audio function.
 1172/46	●	-	Utopia	With receiver	3	Call volume adjustment. Mute with visual indication. Three additional service buttons: switchboard call, staircase lights, etc. Automatic door opening function after call.
1705/954	-	●	Arco	With receiver	-	For connection to VOP video distributor 1074/55. Ready for floor call connection.
1732/957	-	●	Scaitel	Hands-free	-	Bracket for colour video module 1732/42 in combination with concierge switchboard 1072/42.
1703/957	-	●	Utopia	With receiver	-	Bracket for monitor 1703/1
1703/958	-	●	Utopia	With receiver	-	Bracket for monitor 1703/17
1703/95	-	●	Utopia	With receiver	-	Bracket for monitor 1703/17
 1740/954	-	●	Signo	With receiver	-	For connection to VOP video distributor 1074/55. Ready for floor call connection.

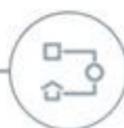
See the dedicated section for more information on entry panels and loudspeaking units.

● Yes.

BIBUS VOP

ACCESSORIES

1074/90	VOP video system wire 100 metre reel, consisting of one 1 mm ² double wire and 0.75 mm ² double wire. Impedance 100 ohm. Flameproof cable.
1795/250	DE signal regenerator Adapts the VOP video signal with several switching video loudspeaking units when one or more units are installed very much further away from the 1074/20 power supply unit.
9000/230	12Vac transformer (230Vac 50Hz) Power: 230 Vac - 50 Hz Power: 18 VA. Outputs on secondary: 12 Vac @ 1.3A. With PTC self-resetting protection in event of short-circuit. Dimensions: 54 (W) x 83 (H) x 58.5 (D) mm. Bar fitted, 3 DIN modules.
1038/17	16-button expansion module for digital systems For use with 1072/19A, 1038/62, 1038/5, 1038/7, 1072/5, 1072/7, 1082/72, 1082/7 loudspeaking units to expand the number of buttons in addition to those managed directly by the loudspeaking units themselves. For use with 1072/19A, 1072/5-7 loudspeaking units.
1072/67	Bibus PABX interface For using Scaitel Agorà PABX in Bibus systems and maintaining the original functions (door phone call and conversation, concierge switchboard call and conversation, door opening, special services, floor call). Wall-mounted installation.
1072/80	Bibus special decoder Allows to control electrical loads by means of relay (staircase lights, gates, etc.) with toggle or monostable operation. Controlled using button on door phone, concierge switchboard, digitised loudspeaking unit. Wall-mounted installation. Maximum relay switchable current: 5A. Max. voltage applicable on relay contact: 30 Vdc 250 Vac. Monostable and toggle operation.



1038/74



1038/73



1072/59

ACCESSORIES

- | | |
|--|---|
|  1038/74 | Sinthesi alphabetic keypad
Combined to Ref. 1038/13 call modules for using alphanumeric codes. Backlit buttons. One Sinthesi module in size. Supplied without flush-mounting box, frame or module holder case. |
|  1038/73 | K-Steel add-on alphabetic keypad
Combined to Ref. 1038/16 call modules for using alphanumeric codes. Backlit buttons. One K-Steel module in size. Supplied without flush-mounting box, frame or module holder case. |
|  1072/59 | Three-tone supplementary ringer for Bibus system
Suitable for use with comfort door phones Ref. 1172/45 and Ref. 1172/46 only. Programmable call tone. Powered by 9 Vdc battery. Wall mounted. Dimensions: 80 (W) x 80 (H) x 32 (D) mm. |
| 1072/60 | Programming adapte
Suitable for interfacing with keypad Ref. 1032/65 and programming various devices. |
| 1072/57 | PC programming cable
Suitable for connecting PC to concierge switchboard Ref. 1072/40 or call module Ref. 1072/15 for programming B-Bus application software. Software may be downloaded free of charge from the web site. |
| 1072/58 | Bibus programming kit
Programming kit consisting of Ref. 1072/60, Ref. 1072/57, Ref. 1032/65. |

SPARE PARTS

- | | |
|-----------------|--|
| 1072/19A | Digitizer for 18 buttons with integrated loudspeaking unit
Suitable for various types of entry panels. Manages 18 basic buttons (expandable to 82) by means of optional Ref. 1038/17 modules. No programming terminal required in Bibus 2nd Edition systems with up to 3 main call stations. In installations with more than 3 main stations or secondary calling stations, use programming devices Ref. 1032/65 and Ref. 1072/60 or kit Ref. 1072/58. For 725 and Exigo entry panels. |
| 1072/113 | Electronic base for 1072/13 call module |
| 1072/130 | Handset for door phone switchboards Ref. 1072/40, Ref. 826/18, Ref. 1032/41 |



DIGIVOICE



Advice for use:

Large residential compounds with several entrances and stations with switchboard

- Only five common wires for making large size building compound systems

- Double conversation at the same time from two main stations

Managing complex situations and large numbers with Digivoice is easy and very versatile, also with regards to style. Digivoice is the Urmet solution for large size audio and video door phone systems with several entrances and several switchboard stations.

Using only five common wires (with the addition of two wires and coax for video systems), systems for residential compounds with over 3000 users and distances of up to 3500 metres between calling station and apartment stations can be created. Large compounds have more complex functional needs: for this reason, up to five concierge switchboards for controlling specific areas can be installed in the Digivoice system. Calls are transferred from one to the other when the stations are unmanned.

Distance between entry panel and video door phone
Up to 3500 m

The numbers of the system

- More than 3000 users
- Up to 5 concierge switchboards
- Up to 99 main and/or secondary calling stations



A very high number of main and secondary calling stations can be fit in the system (up to 99), each of which can fit either a traditional panel or a digital panel with electronic directory containing the residents' names.

The digital panel may be used to open the door by entering the user's personal code.

In systems with several main and secondary

entrances, Digivoice offers the unique feature of allowing two conversations at the same time from two main stations. This cuts busy time and is a commonly felt requirement in system with a high flow of visitors and users. The entry panels and the apartment stations may be chosen the wide Urmet product range.

COMPATIBILITY TABLE: STYLE

Imago	Utopia	Arco	Atlantico
			
Exigo	Sinthesi	K-steel	Mod. 725
			

Refer to the pages describing the various single products for technical details on the apartment station styles and on the entry panels which can be used in the system.



DIGIVOICE mod. 1038

BASIC ELEMENTS

1038/20	<p>Basic power unit with circuit breaker Powers the main audio line and the data line. In event of short-circuit, cuts off the faulty part allowing operation of the rest of the system. Bar fitted, 10 DIN modules. Dimensions: 180 (W) x 96 (D) x 75 (H) mm. Power 230 Vac - 50 VA.</p>
1038/25	<p>Supplementary audio power unit Needed in two-channel audio systems. 230/110 Vac power. Bar fitted, four DIN modules.</p>
1038/21	<p>Emergency power backup. Installation on 10 DIN module bar For powering a Ref. 1038/20 via a buffer battery (not included). Dimensions: 180 (W) x 96 (D) x 75 (H) mm. 230 Vac power.</p>
 1038/40	<p>Table-top or wall door phone switchboard With graphic display for operative indications and calling and called users codes. Stores up to 100 unanswered calls, day and night programming for managing interception of calls from loudspeaking units by users. Up to 5 switchboards may be installed in each system, assigning a specific zone of competence to each. Graphic display with five 20-character lines. 3-level programmable ringer volume. Backlit keypad with indication of audio state. Possibility of connecting a colour video module and connecting a printer for printing out traffic data. Dimensions: 260 (W) x 220 (H) x 70 (D) mm. Consumption: 450 mA</p>
1038/34	<p>4-user decoder. For use in audio systems only 4-user decoder module. For use in audio systems only. Accepts Digivoice 1138/3 and 1138/4 door phones on all outputs. Consumption 150mA (1.5 UL). Ready for wall mounting.</p>
1038/35	<p>Four user decoder arranged for video, floor call and door open LED 4-user decoder module. Suitable of audio and video systems. Accepts all Digivoice door phone and bracket outputs, except for those with single integrated decoder. With programming terminal + LED and programming button. Suitable of audio and video systems. Consumption: 170mA. Ready for wall mounting.</p>
1038/38	<p>8-user decoder with video and door open led setup Suitable for use in various Digivoice systems with floor deviation. May be used with electronic door phones 1138/3, 1138/4 and 1138/6 as well all video brackets. With relay contact which is activated following door opening. Relay contact switches up to 30Vdc with 2A on resistive load. Suitable for controlling lift units. Suitable of audio and video systems. Dimensions: 177 (W) x 75 (D) x 110 (H) mm, can be installed on DIN bar 10 modules or on wall.</p>
789/2	<p>Local power unit (230Vac 50Hz) Device used to switch on 2 video door phones following a call. May be positioned in modular unit with other devices. Suitable for replacing power unit 7073/5. Dimensions: 126 (W) x 75 (H) x 97 (D) mm. Bar fitted, 7 DIN modules. Power: 230 Vac - 50 Hz. Transformer power: 28 VA.</p>



1038/40



1038/16



1038/5



1138/3



1138/4



1138/6



1705/92

LOUDSPEAKING UNIT

Code	With keypad	With buttons	Panel type	Number of modules	Number of integrated buttons	Directly connectable buttons	Notes
1038/13	●	-	Sinthesi	2	-	-	Backlit keypad, LCD display, integrated audio unit
 1038/16	●	-	K-Steel	2	-	-	Backlit keypad, LCD display, integrated audio unit
1038/7	-	●	Sinthesi	1	-	8	Integrated audio unit, audio level adjustment trimmer
 1038/5	-	●	K-Steel	1	2	8	Integrated audio unit, audio level adjustment trimmer
1038/62	-	●	Kombi and 725	-	-	8	Integrated audio unit, audio level adjustment trimmer

VIDEO APARTMENT STATION

Code	Door phone system	Bracket for video door	Model	Audio type	N. of buttons in addition to door opener button	Notes
 1138/3	●	-	Atlantico	With receiver	2	Button for switchboard call and one auxiliary service. Connects to decoders 1038/34, 1038/35 and 1038/38.
 1138/4	●	-	Utopia	With receiver	3	Button for switchboard call and two auxiliary services. Connects to decoders 1038/34, 1038/35 and 1038/38.
1138/31	●	-	Atlantico	With receiver	2	Button for switchboard call and one auxiliary service. With integrated single decoder.
1138/18	●	-	Scaitel	With receiver	Keypad	Button for switchboard call and one auxiliary service. With integrated single decoder. The keypad is used to all other users in the system.
 1138/6	●	-	Scaitel	Hands-free	2	Button for switchboard call and one auxiliary service. Connects to decoders 1038/35. Possibility of connecting hands-free device 1138/55.
 1705/92	-	●	Arco	With receiver	-	For use with Arco b/n monitor 1715/1
1732/92	-	●	Scaitel	-	-	For use with colour monitor 1732/42 on concierge switchboard
1703/92	-	●	Utopia	With receiver	-	For use with 4" colour monitor Utopia 1703/1
1703/94	-	●	Utopia	Hands-free	-	For use with 4" colour monitor Utopia 1703/2
1703/98	-	●	Utopia	Hands-free	-	For use with 4" colour monitor Utopia 1703/17
1707/94	-	●	Imago	Hands-free	-	For use with 4" colour monitor Imago 1707/1

See the dedicated section for more information on entry panels, loudspeaking units and apartment stations.



1038/74



1038/73



1038/56



1038/90

ACCESSORIES

-
-  **1038/74** **Sinthesi alphabetic keypad**
 Combined to Ref. 1038/13 call modules for using alphanumeric codes. Backlit buttons. One Sinthesi module in size. Supplied without flush-mounting box, frame or module holder case.
-
-  **1038/73** **K-Steel add-on alphabetic keypad**
 Combined to Ref. 1038/16 call modules for using alphanumeric codes. Backlit buttons. One K-Steel module in size. Supplied without flush-mounting box, frame or module holder case.
-
-  **1038/56** **Multilingual programming terminal**
 With keypad and backlit 4 x 16 character LCD display. Suitable for programming digitizer and decoder control modules. Power by 9 Vdc alkaline battery or 12 Vdc from connection wire directly from the system.
-
- 1038/17** **16-button expansion module for digital systems**
 For use with 1072/19A, 1038/62, 1038/5, 1038/7, 1072/5, 1072/7, 1082/72, 1082/7 loudspeaking units to expand the number of buttons in addition to those managed directly by the loudspeaking units themselves. For use with 1038/62-5-7 loudspeaking units.
-
-  **1038/90** **Passive socket on DIN bar. Bar fitted, 2 DIN modules**
 Suitable for centralised programming of DIN call modules in system using programming terminal Ref. 1038/56.
-
- 1038/67** **Digivoice/4+n voice adapter**
 For using Agorà Urmet Domus telephone switchboard use in apartment. Manages 4+n type audio output. May be connected to telephone switchboards or use in a mixed Digivoice and 4+n system. Ready for wall mounting. Consumption: 2,5 mA
-
- 1038/69** **Video switch 4 IN - 1 OUT Ready for wall mounting**
 Switch suitable for use in various applications. Considerably simplifies wiring in systems with several main switching video loudspeaking units and is provided with a specific control input for operating up to 4 cameras in cycle. Each input may also be operated by an alarm control. Dimensions: 120 x 120 x 55 mm. Consumption: 10 mA
-



ACCESSORIES

1038/70	Adapter between concierge switchboard and telephone interface or PABX Allows to transfer calls from main loudspeaking units and extensions to the switchboard and to any telephone connected to a PABX or telephone interface. Board to be inserted in concierge switchboard Ref. 1038/40.
1038/80	Special Digivoice decoder for supplementary activations Suitable for activating supplementary functions (staircase lights, gate, etc.). Controlled from appropriately programmed apartment stations and entry panels. With NO or NC contact relay. May be controlled locally by means of a button. Contact may be monostable or toggle. Wall mounted. Consumption: 10 mA Timer: up to 60 minutes. Maximum switchable voltage: 30Vdc 250Vac. Maximum switchable current: 5A.
1038/68	Relay device for Digivoice video systems Optimises video applications in Digivoice installations, specifically on double video door phone channel. Synchronises audio and video signals. Wall-mounted.
1032/9	Relay device for special systems Video signal switching relay.
1138/55	Optional hands-free circuit for speaker door phone 1138/6 and 1138/7 Board suitable for fitting in hands-free door phones 1138/6 and 1138/7 for activating free-hands conversation function.



ANALOGUE SYSTEMS



Advice for use:

Blocks of flats and condos

Discover the Urmet range of traditional and wireless ringers page 59

Urmet analogue systems provide answers to all needs and any styles chosen the user for apartment stations and entry panels

COMPATIBILITY TABLE: STYLE

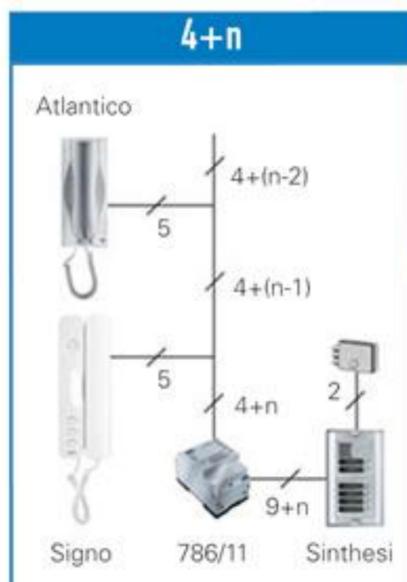
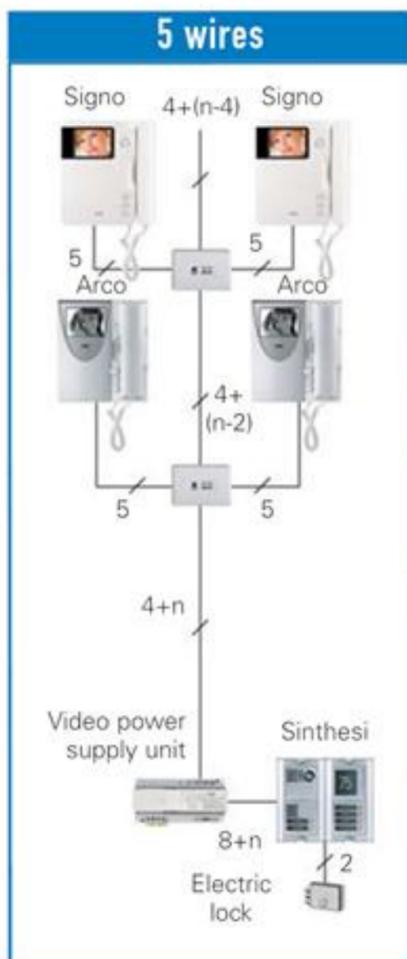
Imago	Signo	Utopia	Arco	Atlantico	1130
Exigo	Sinthesi	K-steel	Smyle	Mod. 725	

Refer to the pages describing the various single products for technical details on the apartment station styles and on the entry panels which can be used in the system.

COMBINATION KITS

Video Coax	Video 5 wires	Audio 4+n
1715/621, 1715/622	1715/601, 1715/602	1133/301, 1133/302

For kit details, see pages 123 / 125.



Audio systems

Audio systems offer the fundamental functions of a system (call, audio and door opening).

There are two installation types: 4+n and 1+n.

4+n

4+n systems have a riser column with 4 common wires plus n wires, where n is the number of calls to be managed.

Furthermore, door phones with traditional call (12 Vac buzzer) or electronic call (the speaker of the door phone itself is used to generate the call tone) may be used in 4+n systems. Systems may be created with intercom conversation privacy to the loudspeaking unit.

Several automatically switching entrance doors may be catered for.

1+n

The 1+n audio system was created to transform a traditional bell system into a complete door phone system without needing to add wires to the column and ensuring conversation privacy between the various apartments.

Video systems

Analogue video systems derive from the 4+n and 1+n audio systems and may be split into two types: coax systems and 5-wire systems.

Coax video systems

4+n door phones with electronic call are used in coax systems. A very high number of combinations are possible, with both b/w and colour video door phones. The coax cable allows great distances between camera and monitors and allows to create the same system types as a 4+n audio system.

5-wire systems

The 5-wire system derives from the 1+n audio system and is suitable for transforming 4+n audio systems into video systems without adding a coax or other wires in the riser column.

The audio/video analogue systems are suitable for small to medium sized installations because one wire is needed in the riser column for each call.



ANALOGUE SYSTEMS



Imago 1707/1



Signo 1740/40



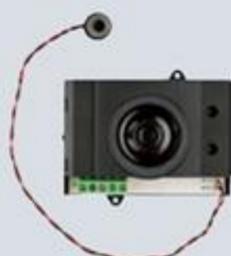
Utopia 1703/17



Arco 1715/1



824/500



1128/500

BRACKET COMPATIBILITY AND SYSTEMS WITH VIDEO APARTMENT STATION

Monitor	5 wires	Coax
Imago	-	1707/90
Signo	1740/955	1740/90 - 1740/86 (with add-on)
Signo b/w	1740/955	1740/90 - 1740/86 (with add-on)
Utopia with handset	1703/955	1703/90
Utopia hands-free	-	1703/91
Arco	1705/955	1705/90

DOOR PHONE - SYSTEM COMPATIBILITY

Door phone	1+n	4+n
Signo	-	1140/1 (white) - 1140/41 (anthracite) 1140/42 (platinum) - 1140/12 (white)
Atlantico	1133/35A	1133 (white) - 1133/1 (white)
Mod. 1130	-	1130/1 (ivory) 1130/50 (white) - 1130/55 (white)

4+N AUDIO LOUDSPEAKING UNITS

824/500	Slim audio loudspeaking unit for Exigo entry panel
1145/500	Audio loudspeaking unit for Sinthesi entry panel
1128/500	Audio loudspeaking unit for Mod. 725, Exigo e Smyle entry panels
1128/510	Audio loudspeaking unit for Mod. 725, Exigo e Smyle entry panels, 12 Vac power
5150/53	3-wire audio loudspeaking unit for Mod. 725 / Exigo entry panel
1155/20	Module with loudspeaking unit for K-steel entry panel
1155/21	Module with loudspeaking unit and one button for K-steel entry panel
1155/22A	Module with loudspeaking unit and two buttons for K-steel entry panel
1145/510 new	Sinthesi 12Vac audio entry panel

See the dedicated section for more information on entry panels, loudspeaking units and apartment stations.

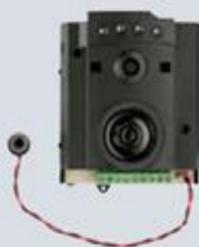
Colour.

CAMERAS AND CAMERAS WITH LOUDSPEAKING UNIT FOR COAX VIDEO SYSTEMS

1810/40		Colour camera module for Exigo entry panel
1745/40		Colour camera with integrated loudspeaking unit for Smyle entry panel
1745/49		As 1745/40 but for 60 Hz systems
1745/41		Colour camera module with loudspeaking unit and one button for Sinthesi entry panel
1755/40		Colour camera module with loudspeaking unit and one button for K-steel entry panel
1755/41		Colour camera module with loudspeaking unit and one button for K-steel entry panel
1728/40**		Colour camera with integrated loudspeaking unit for Smyle entry panel
1810/70		B/W camera module for Exigo entry panel
1745/70		B/W camera module for Sinthesi entry panel
1745/79		As 1745/70 but with 60 Hz camera
1745/80		B/W camera module with loudspeaking unit for Sinthesi entry panel
1745/81		B/W camera module with loudspeaking unit and one button for Sinthesi entry panel
 1745/82		B/W camera module with loudspeaking unit and two buttons for Sinthesi entry panel
1755/70		CCD b/w manual pan and tilt camera with built-in light for coaxial systems, 50 Hz Dimensions (W x H): 125 x 106 mm.
1755/79		As 1755/70 but for 60 Hz systems Dimensions (W x H) 125 x 106 mm.
1755/80		B/W camera module with loudspeaking unit for K-steel entry panel
1755/81		B/W camera module with loudspeaking unit and one button for K-steel entry panel
 1728/80		B/W camera with integrated loudspeaking unit for Smyle entry panel
725/600		B/W camera module for Mod. 725 entry panel



1745/82



1728/80



1145/67



1035/67

1+n AUDIO LOUDSPEAKING UNITS

 1145/67		Audio loudspeaking unit for Sinthesi entry panel
 1035/67		Audio loudspeaking unit for Mod. 725 entry panel
1155/30**		Module with loudspeaking unit for K-steel entry panel
1155/31		Module with loudspeaking unit and one button for K-steel entry panel
1155/32A		Module with loudspeaking unit and two buttons for K-steel entry panel

CAMERAS AND CAMERAS WITH LOUDSPEAKING UNIT FOR 5 WIRE VIDEO SYSTEMS

1810/40		Colour camera module for Exigo entry panel to be used in combination with 1742/13A board.
1745/40		Colour camera module for Sinthesi entry panel to be used in combination with 1742/13A board.
1755/45		Colour camera module for K-steel entry panel
1745/49		Colour camera module for Sinthesi entry panel to be used in combination with 1742/13A board, 60 Hz
1745/79		As 1745/70 but for 60 Hz systems to be used in combination with 1742/13A. Dimensions (W x H) 125 x 106 mm.
1810/70		B/W camera module for Exigo entry panel to be used in combination with 1742/13A board.

** Contact the sales network for availability.  Colore.

ANALOGUE SYSTEMS



1745/22



725/600



786/11



786/13



9000/230

CAMERAS AND CAMERAS WITH LOUDSPEAKING UNIT FOR 5 WIRE VIDEO SYSTEMS

1745/20	B/W camera module with loudspeaking unit for Sinthesi entry panel
1745/21	B/W camera module with loudspeaking unit and one button for Sinthesi entry panel
1745/22	B/W camera module with loudspeaking unit and two buttons for Sinthesi entry panel
1755/30A	B/W camera module for K-steel entry panel
1755/39A	As 1755/30A but for 60 Hz systems Dimensions (W x H) 125 x 106 mm.
1755/20**	B/W camera module with loudspeaking unit for K-steel entry panel
725/600	B/W camera module for Mod.725 entry panel to be used in combination with 1742/13A board.

DOOR PHONE POWER SUPPLY UNIT

Code	Dimensions (W x H x D) mm	DIN mod.	Electrical specifications	No. of devices called in parallel	Notes
786/11	61 x 54 x 90	3	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power 12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n door phone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/1, 786/14, 786/38 and 9006/1.
789/12	61 x 54 x 90	3	Power: 110Vac Audio circuit: 6Vdc@0.12A Electric lock power 12Vdc@2A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device with call generator to be used in basic 4+n door phone systems. Use bracket kit 786/50 for fixing to the wall. Replaces 786/14, 786/38.
786/13	61 x 90 x 108	6	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power 12Vdc@2.4A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Max. relay contact power: 5A @ 12Vac Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device for 4+n audio systems provided with 2 call generators for differentiating calls from loudspeaking units. A timed relay (2-25s) is provided to control the electric lock in case of long distance between loudspeaking unit and apartment station. Replaces 786/1, 786/14, 786/38 and 9006/1.
786/15	61 x 90 x 108	6	Power: 230Vac Audio circuit: 6Vdc@0.12A Electric lock power 12Vdc@2.4A Tone generator: 8Vpp Intercom audio circuit: 3.5-6.5@0.12A Relay contact capacity (7-8-9): 5A @ 12Vac Relay contact cap. 1-2-3 and 4-5-6: 5A @ 12Vac Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	4 with electronic call 2 with traditional call	Device for 4+n systems provided with relay for automatically switching 2 inputs or one input and intercom. Two call generators are present for differentiated calls between services. Replaces 786/5 and 9006/5 power units.
9000/230	54 x 83 x 58,5	3	Power: 230Vac Secondary output: 12Vac@1.3A Transformer power: 18 VA	2 with traditional call	Transformer provided with PTC self-resetting protection in event of short-circuit.
9000/110	54 x 83 x 58,5	3	Power: 110Vac Secondary output: 12Vac@1.3A Transformer power: 18 VA	2 with traditional call	Transformer provided with PTC self-resetting protection in event of short-circuit.

Type-approval: IMQ-CE- CEI EN 60065
(except for code 786/11 which is IMQ-CE- VDE CEI EN 60065 approved)

** Contact the sales network for availability.



789/5B



789/3



789/1

VIDEO DOOR PHONE POWER SUPPLY UNITS

Code	Dimensions (W x H x D) mm	DIN mod.	Electrical specifications	Functions	Notes
 789/5B	180 x 75 x 97	10	Power: 230Vac Audio circuit: 6Vdc@0.2A Electric lock power 12Vdc@2A Tone generator: 8Vpp Consumption: 200mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device allows to: - call up to 4 devices with electronic call - switch on one Arco monitor or two Imago/Signo/Utopia monitors at the same time.	Used for powering video door phone systems with electronic call. Provided with self-resetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems.
789/6B	180 x 75 x 97	10	Power: 110Vac Audio circuit: 6Vdc@0.2A Electric lock power 12Vdc@2A Tone generator: 8Vpp Consumption: 200mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device allows to: - call up to 4 devices with electronic call - switch on one Arco monitor or two Imago/Signo/Utopia monitors at the same time.	Used for powering video door phone systems with electronic call. Provided with self-resetting PTC protection, adjustable timer and call generator. Device 786/51 is needed in intercom systems.
789/2	126 x 75 x 97	7	Power: 230Vac Consumption: 150mA Timed output: 18Vdc@0.65A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	The device allows to switch on one video door phone only.	Used in combination with 789/5B with local power supply to switch on various video door phones at the same time. Replaces power supply unit 7073/5.
789/4	126 x 75 x 97	7	Power: 110Vac Consumption: 150mA Timed output: 18Vdc@0.65A Power dissipated after one hour of work: 4.2 W Transformer power: 28VA	The device allows to switch on one video door phone only.	Used in combination with 789/5B with local power supply to switch on various video door phones at the same time. Replaces power supply unit 7073/5.
 789/3	126 x 75 x 97	7	Power: 230Vac Consumption: 200mA Timed output: 18Vdc@ 1.35A Power dissipated after one hour of work: 5.7 W Transformer power: 38VA	The device is used to switch on two Arco monitors or three Imago/Signo/Utopia monitors at the same time.	Used in combination with 789/5B with local power supply to switch on various video door phones at the same time. Replaces power supply unit 7073/5.
 789/1	360 x 75 x 97	20	Power: 230/110 Vac. Audio circuit: 6Vdc@0.2A Electric lock power 12Vdc@2A Tone generator: 8Vpp Consumption: 250mA Timed output: 18Vdc@0.85A; 16Vdc@0.23Vac Timer: 45-180s Power dissipated after one hour of work: 7.5 W Transformer power: 50VA	The device allows to: - call up to 2 devices with electronic call - switch on only one monitor	Used for powering video door phone systems with electronic and traditional call. Provided with self-resetting PTC protection, adjustable timer and call generator. Replaces power units 7073/1 and 7073.
1840/44	36 x 75 x 103	2	Input voltage: 18-21Vdc Output voltage: 12Vdc Max. power: 3W	-	Voltage adapter to be used to power CCTV cameras at 12Vdc.

Type-approval: IMQ-CE- CEI EN 60065

ANALOGUE SYSTEMS

RELAY BOXES, TONE GENERATORS, TIMERS AND LINE PROTECTIONS



788/51



788/54



788/52



1032/81



787/1

Code	Dimensions (W x H x D) mm	DIN mod.	Electrical specifications	Notes
 788/51	108 x 90 x 55	6	Power: 12Vdc Consumption: 0.18A@12Vac Relay contact capacity (7-8-9): 5A@12Vac Max. contact power: 1A@12Vac	Relay used to manage 2 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 5 outputs, replaces relays 9332/1 788/1 and 4340/11.
 788/54	216 x 90 x 64	12	Power: 12Vdc Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V Max. contact power: 2A@100V	Relay used to manage up to 4 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 5 outputs, replaces relay 788/4.
788/58	108 x 90 x 55	6	Power: 12Vdc Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V Max. contact power: 2A@100V	Relay used to manage up to 4 audio/video loudspeaking units or 1 audio/video loudspeaking unit and automatic switching intercom service. Provided with 4 outputs, replaces relays 788/8 and 9332/8.
 788/52	54 x 64 x 90	3	Power: 12Vac Consumption: 0.18A@12Vac Max. relay contact power: 5A@30V	Relay used for repeating electronic/traditional calls or control a second electric lock. Provided with 2 outputs, replaces relays 788/11-788/21-788/30 and 788/5. For fixing to the wall using kit 786/50.
788/22	47 x 58 x 15	-	Power: 12Vac Consumption: 200mA@12Vdc Max. relay contact power: 5A@12Vac Timer 1-30s	Relay used for repeating electronic/traditional calls. It is provided with an output and can be installed inside the doorphone.
 1032/81	72 x 90 x 75	4	Power: 12-24Vdc/Vac Consumption: 200mA@12Vdc Max. relay contact power: 5A@12Vac	Electric lock timer.
1038/69	120 x 120 x 55	-	Power: 12-24Vdc/Vac Consumption: 300mA	Video switch for cyclically switching up to 4 CCTV cameras to a single output.
789/51	36 x 75 x 103	2	Power: 6Vdc Consumption: 50mA	Electronic impedance to be used in combination with the 789/5B power supply unit with coaxial and intercom service.
 787/1	75 x 72 x 103	4	Power: 12Vac Consumption: 250mA@12Vac	Tone generator to be used for repeating electronic calls in 4+n audio systems and coax video systems. Calls two devices at the same time.
787/2	75 x 72 x 103	4	Power: 12Vac Consumption: 250mA@12Vac	Tone generator to be used for repeating electronic calls in 1+n audio systems and 5-wire video systems. Calls two devices at the same time.
1332/85	36 x 90 x 58	2	Max. load: 4000VA Max. current: 20A	230Vac power line protection device. To be used near the device to be protected.
1332/86	37 x 90 x 58	3	Max. load: 4000VA Max. current: 20A dB attenuation: 60dB@2MHz	Radiofrequency filter on 230Vac feeding line. To use in case of radiofrequency interference on the system.

ACCESSORIES FOR 4+n AUDIO AND COAX VIDEO SYSTEMS

786/50	Wall fastening bracket kit Provided with DIN guide, 2 wall anchors and screws and 2 lids for fixing power supply unit 786/11 and relay box 788/52 to the wall outside the DIN module panel.
1794/4A	4 output video distributor for coax systems Distributes video signal to floor; power at 15-18Vdc. Dimensions: (W x H x D) 95 x 64 x 28 mm
1131/4	10 diode box For use in 4+n audio and coax systems with intercom function.
7057/234	14 wire cable + coax 100m reels, external diameter of cable 17 mm; sections: 2 x 0.8 mm ² , 6 x 0.5 mm ² , 6 x 0.35 mm ²
7057/235	8 wire cable + coax 100m reels, external diameter of cable 15 mm; sections: 2 x 1 mm ² , 2 x 0,8 mm ² , 3 x 0,35 mm ² , 1 x 0,5 mm ²

ACCESSORIES FOR 1+n AUDIO AND 5-WIRE VIDEO SYSTEMS

 1742/13A	Camera adapter device This is used to adapt a camera with video signal on coax cable in VOP systems.
955/40	4 output video distributor for 5-wire systems Distributes video signal to floor; power at 15-18Vdc. Dimensions: (W x H x D) 95 x 64 x 28 mm
1145/74	Conversation privacy device for Sinthesi and K-steel entry panels One every four users.
1035/25	Conversation privacy device for Mod. 725 entry panels One every four users.
1110/74	Conversation privacy device for Exigo entry panels One every four users.



1742/13A