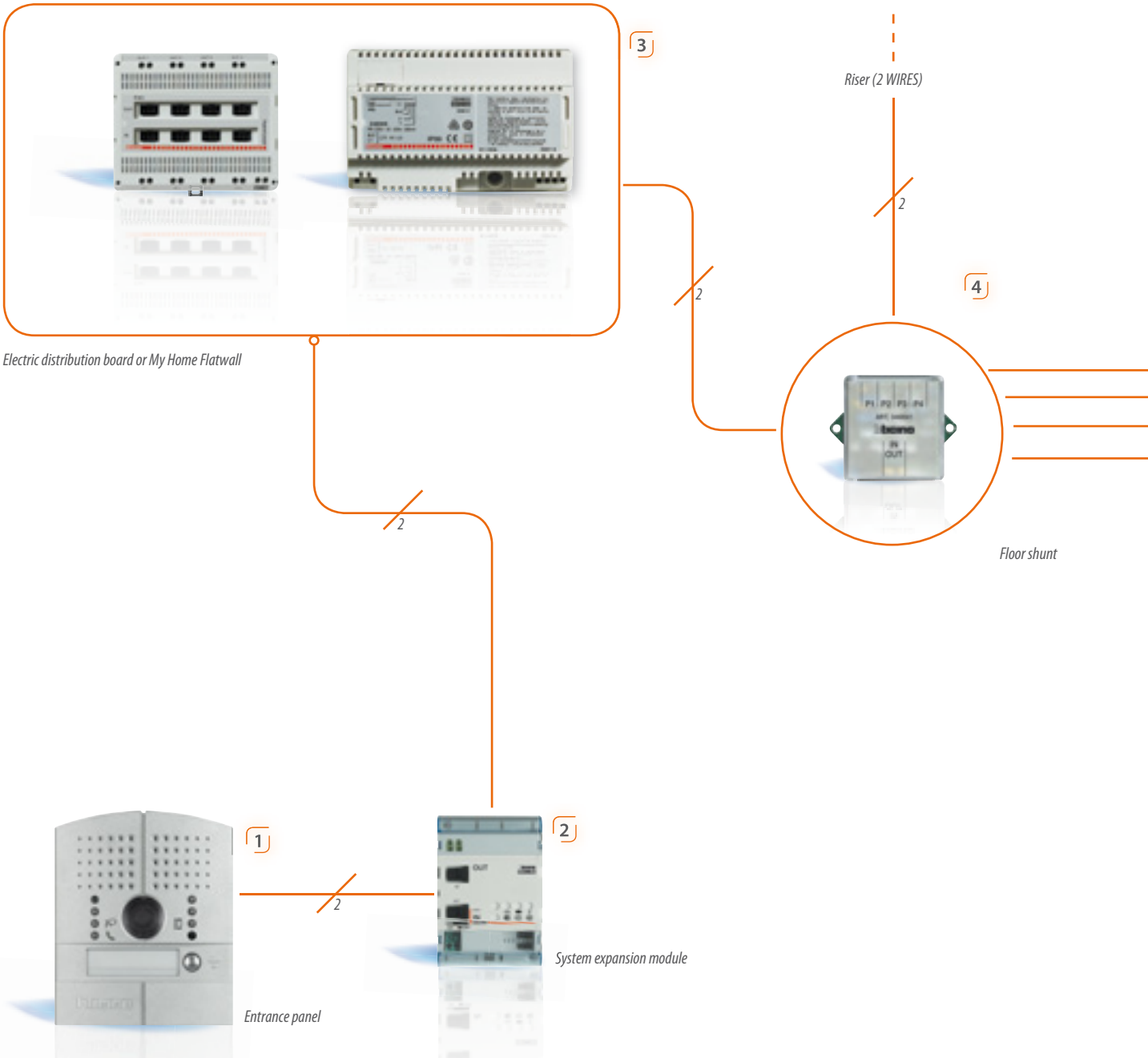
CONTENTS

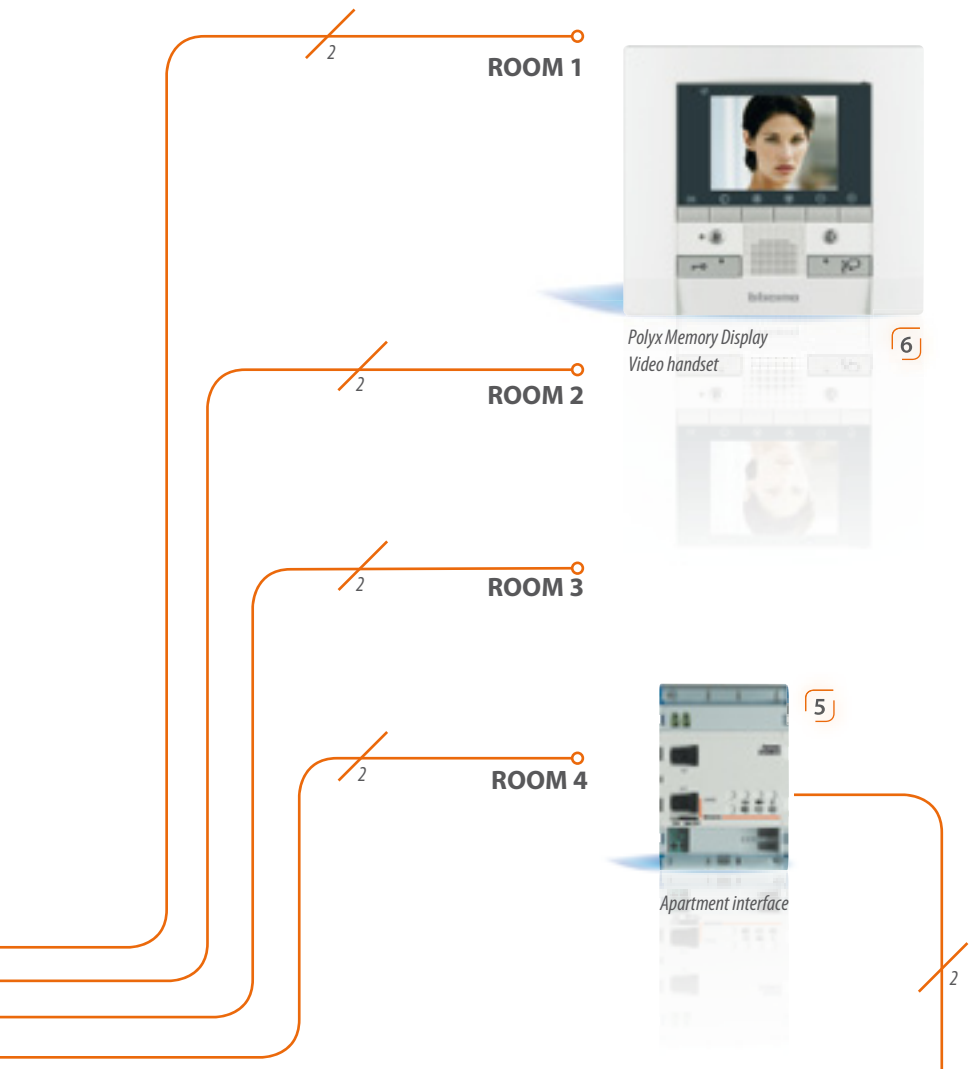
MY HOME – Video door entry and home video surveillance system

General features 342
General rules for installation 362
Wiring diagrams 376

System composition

The 2 wire video door entry system uses the same SCS BUS technology of all the MY HOME applications. Regardless of system complexity, the functions needed, and the number of video handsets, all the devices are connected using the same 2 wire cable, and are configured univocally. In order to increase the system safety level, it is possible to connect 2 wire indoor and outdoor cameras, the which images will be displayed directly on the video handsets (home video surveillance function). If a higher level of safety is required, it will be possible to associate an IR sensor of the burglar-alarm system to each sensor. In this way, in case of trespassing, both the camera and the video handset will activate automatically. In order to complete a 2 wire video door entry system, in addition to the Outdoor pushbutton panel and the handsets, a few accessory will be needed, connected to the 2 wire BUS.





The apartment interface enables creating an independent system inside the apartment.
In this way, it is possible to install apartment handsets with simultaneous switching on, entrance panels and dedicated cameras.

1. ENTRANCE PANEL:
sends the call to the video handset(s) (available in various look and installation models).

2. SYSTEM EXPANSION MODULE:
it can be used to increase the performance of the system, for example to increase the distance between the outdoor pushbutton panel and the video handsets.

3. ELECTRIC DISTRIBUTION BOARD OR MY HOME FLATWALL:
It enables the user to install DIN devices:
SYSTEM POWER SUPPLY: powers the BUS and all the devices.
AUDIO/VIDEO NODE: mixes the audio and video signals from external sources (entrance panels, cameras, sound sources...) and retransmits them on the 2 WIRE riser (in alternative the audio/video matrix can also be used).

4. FLOOR SHUNT:
used for star-connecting 4 apartments, hence saving a lot of cable. In addition, it lets you reach the maximum extension of the system

5. APARTMENT INTERFACE:
used for isolating the apartment from the riser. In this way, inside the apartment it will be possible to install an independent system with the corresponding MY HOME applications.

6. VIDEO HANDSETS:
audio-video terminal which enables you to receive calls and to see who is calling. Using the icons of the OSD menu it is possible to manage and control MY HOME applications. (Available in various look and installation models)

Simple installation

The 2 wire system can be used to create any type of systems, both for the villa and the apartment complex.

Furthest handset



Entrance panel



600 metres

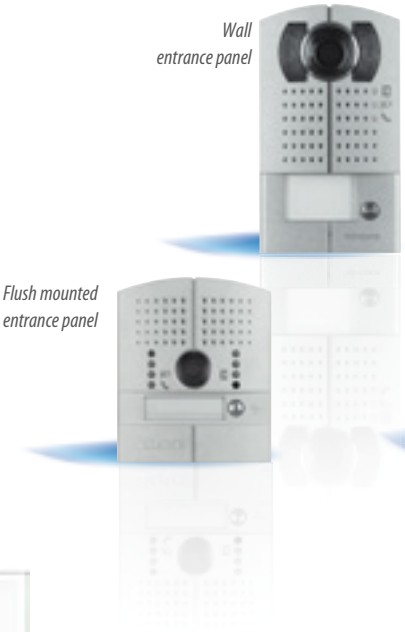
THE SYSTEM MAY INCLUDE:

3900	*Apartments*	**3900**	*Apartment video entrance panel*
5	*Handsets for apartment*	**39**	*Risers with indepedent sound mode*
96	*Video entrance panel*		

Devices

ENTRANCE PANEL

Outdoor video pushbutton panel with colour camera. It can be used to call the video handsets and to activate the associated door lock. Available in various look and installation models.



Wall entrance panel

Flush mounted entrance panel

Outdoor Axolute entrance panel



Axolute Nighter & Whice Video Station

Polyx memory display

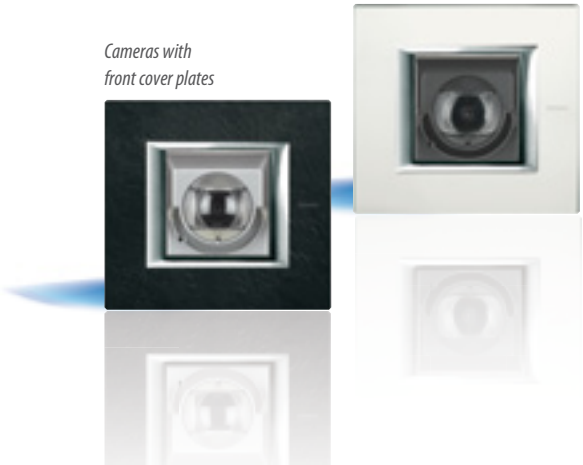
Axolute video display

VIDEO HANDSETS

Video handsets for the audio and video reception of entrance panel calls. Their icons allow the user to manage the video door entry system, and the MY HOME functions. Available in various look and installation models.

INDOOR CAMERAS

2 WIRE indoor colour camera that can be connected directly to the system SCS BUS. Microphone for the room monitoring function. Available in the AXOLUTE, LIVING, LIGHT and LIGHT TECH versions. To be completed with the corresponding front cover plates.



Cameras with front cover plates

Devices

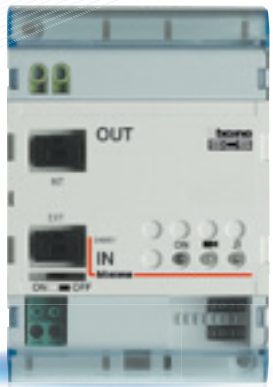
Apartment interface



SYSTEM EXPANSION MODULE

Used to increase the number of video handsets connected to the system and to achieve maximum installation distance.

System expansion module



APARTMENT INTERFACE

To create a dedicated system inside the Apartment, separate from the apartment complex riser.
In the apartment, it will therefore be possible to create a video door entry system with dedicated entrance panels and cameras, integrated with the other MY HOME systems.



Outdoor camera

ACTUATORS

Used for the control of electric locks, or the management of generic loads (e.g. staircase lights, call repetition, etc.).

Door lock actuator





Actuator for generic loads

OUTDOOR CAMERA

2 WIRE outdoor colour camera with 6 mm fixed optics to be connected directly to the SCS BUS.
Protection index: IP65

FLOOR SHUNT

The floor shunt can be used to create star wiring systems. Its use is compulsory for installation in simultaneous switching on systems.

Floor shunt



Audio/video node



Video adapter



AUDIO/VIDEO NODE AND VIDEO ADAPTER

They perform the function of audio/video mixers, for the connection to the system of entrance panels and video handsets.

The audio/video node can be used to connect up to 4 entrance panels / cameras and up to 4 risers.

The video adapter on the other hand can be used to connect 2 entrance panels and 1 riser (or 1 entrance panel and 2 risers).

During presetting, the inclusion of the audio/video node is recommended, to allow for future system expansions.

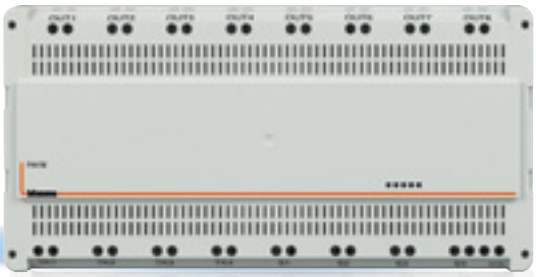
MULTICHANNEL MATRIX

It functions is that of an advanced audio/video mixing device.

It has 4 sound source inputs and 4 inputs for video door entry system/ cameras, which can be distributed simultaneously.

To be used in alternative to the audio/video node, in MY HOME systems with integrated video door entry system and sound system.

Multichannel matrix



MULTIMEDIA TOUCH SCREEN

10" Touch Screen display for the management and the control of MY HOME applications.

It can be used to answer video door entry system calls, and to display images from the cameras connected to the system. It manages audio, video, and WEB multimedia contents through the USB connection. It has an SD card slot, and LAN connection.

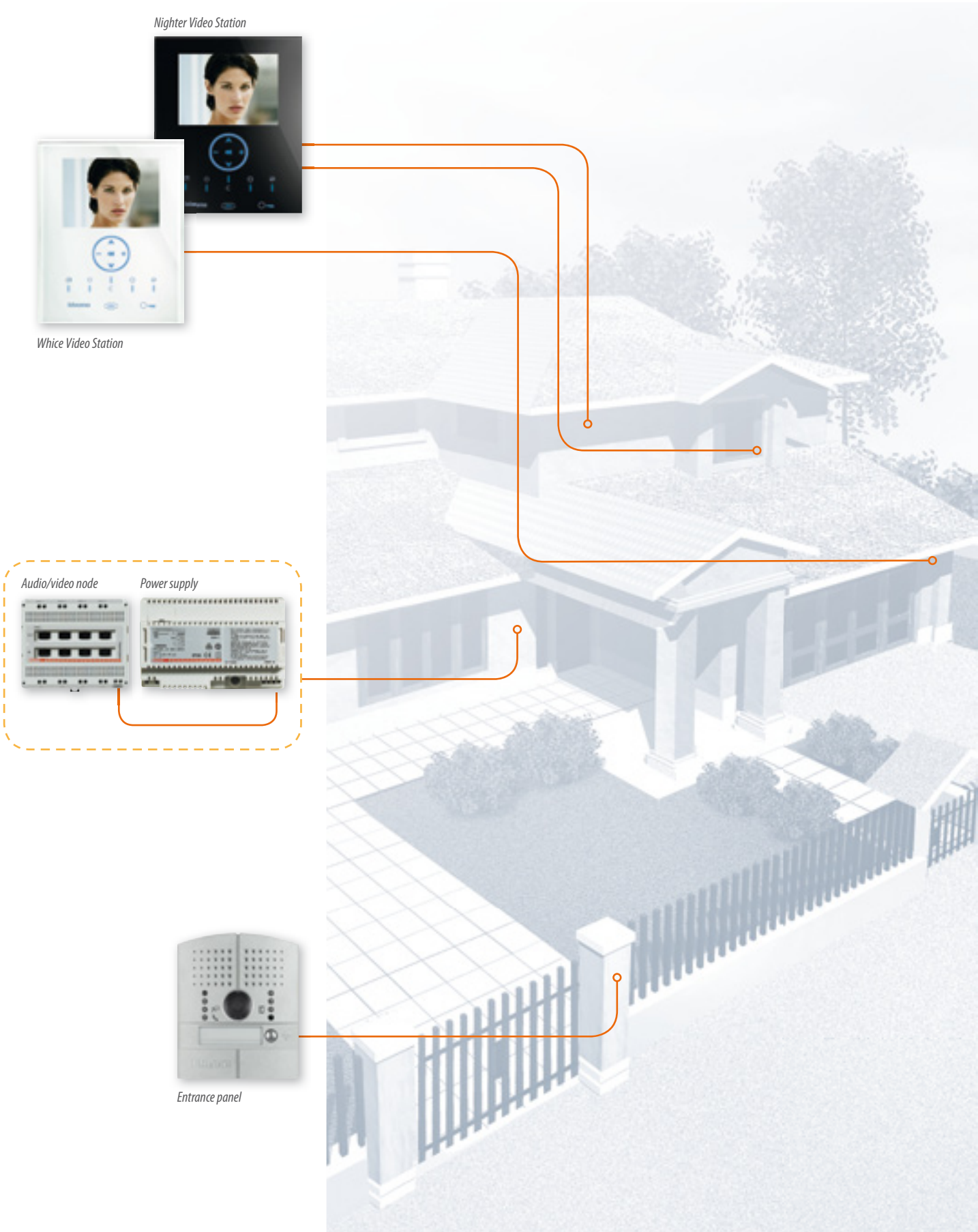
To be completed with the surround plate.

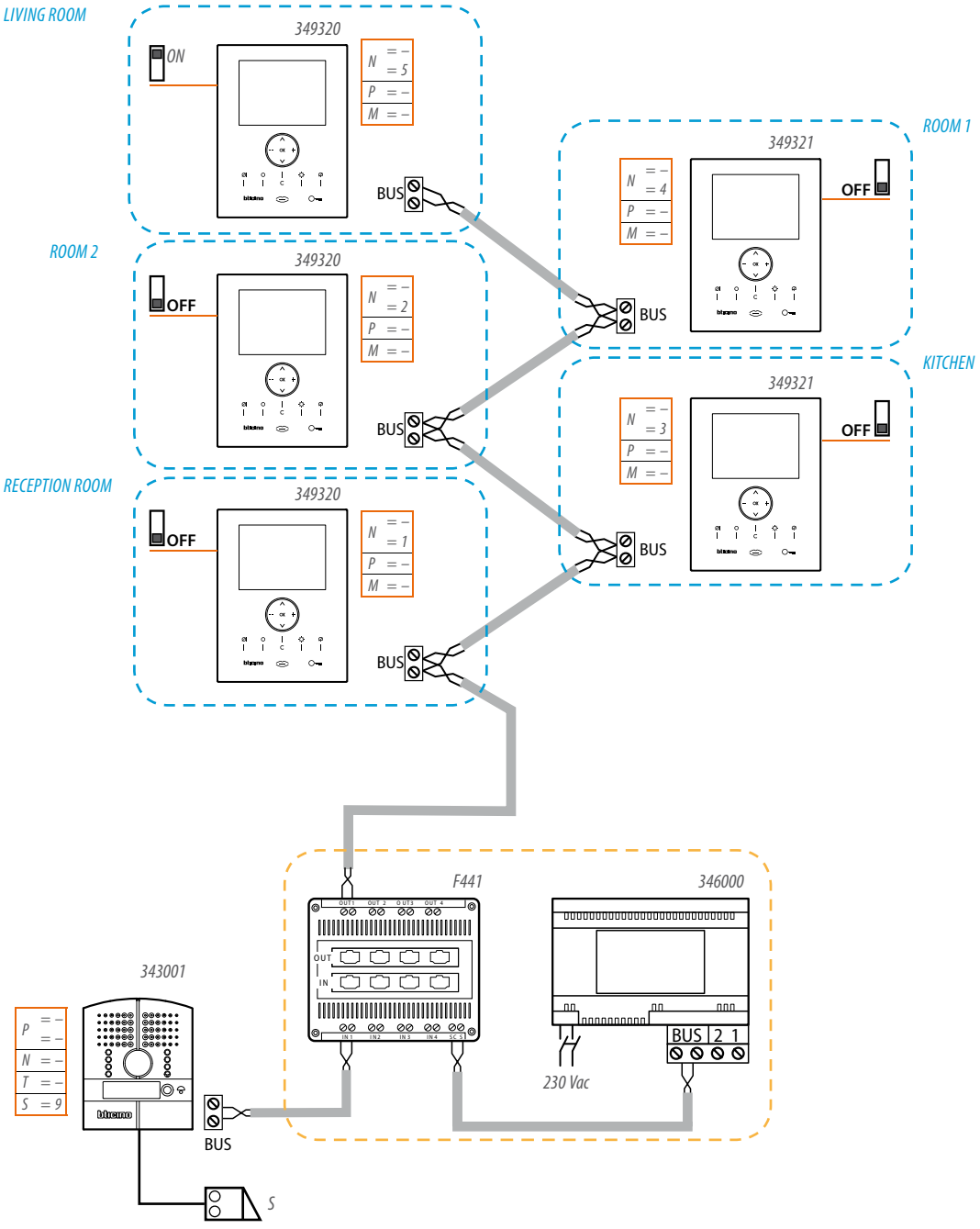


Multimedia Touch Screen

Example 1 - Villa

ONE-FAMILY VIDEO DOOR-ENTRY SYSTEM WITH INTERCOM BETWEEN VIDEO HANDSETS

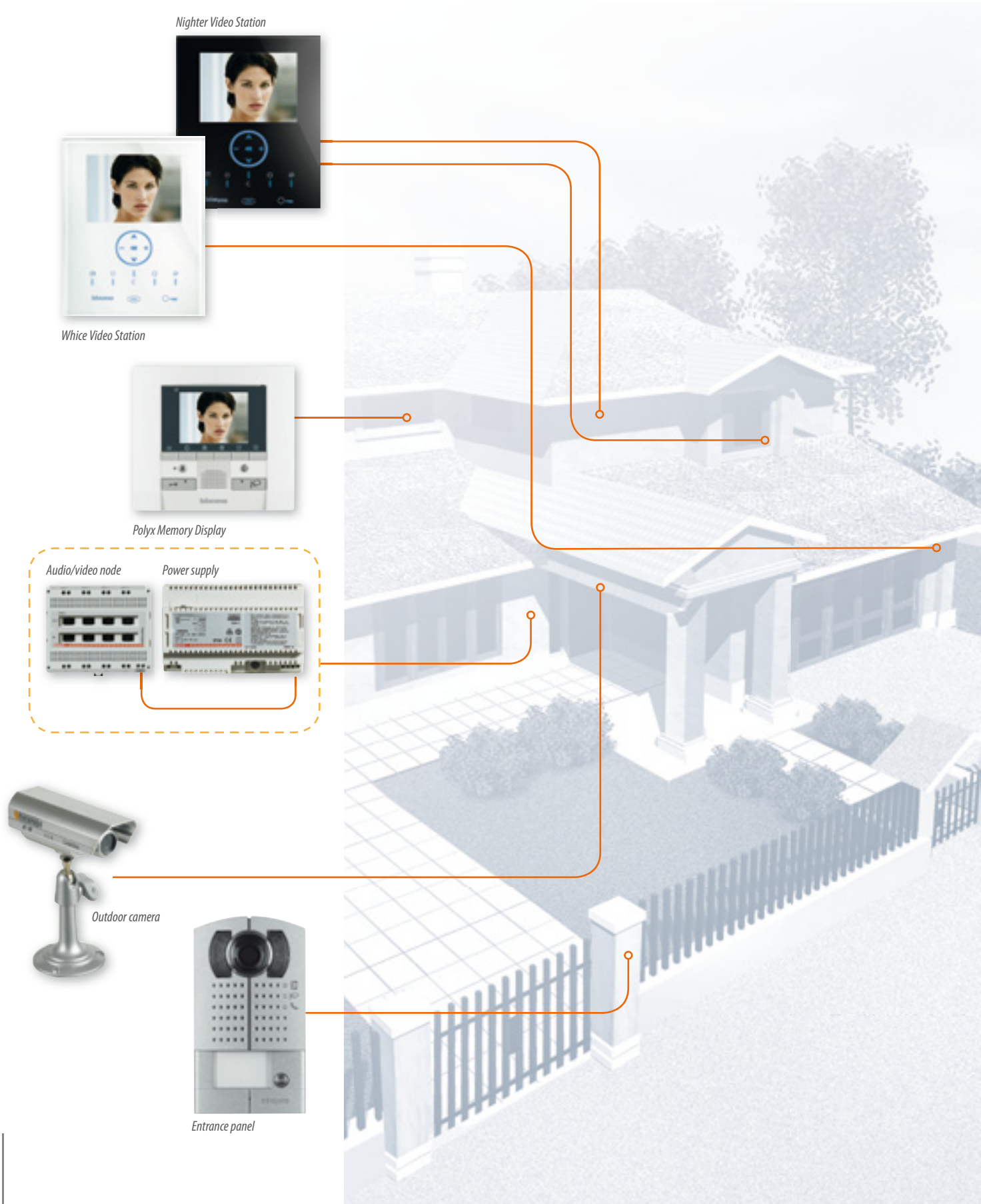


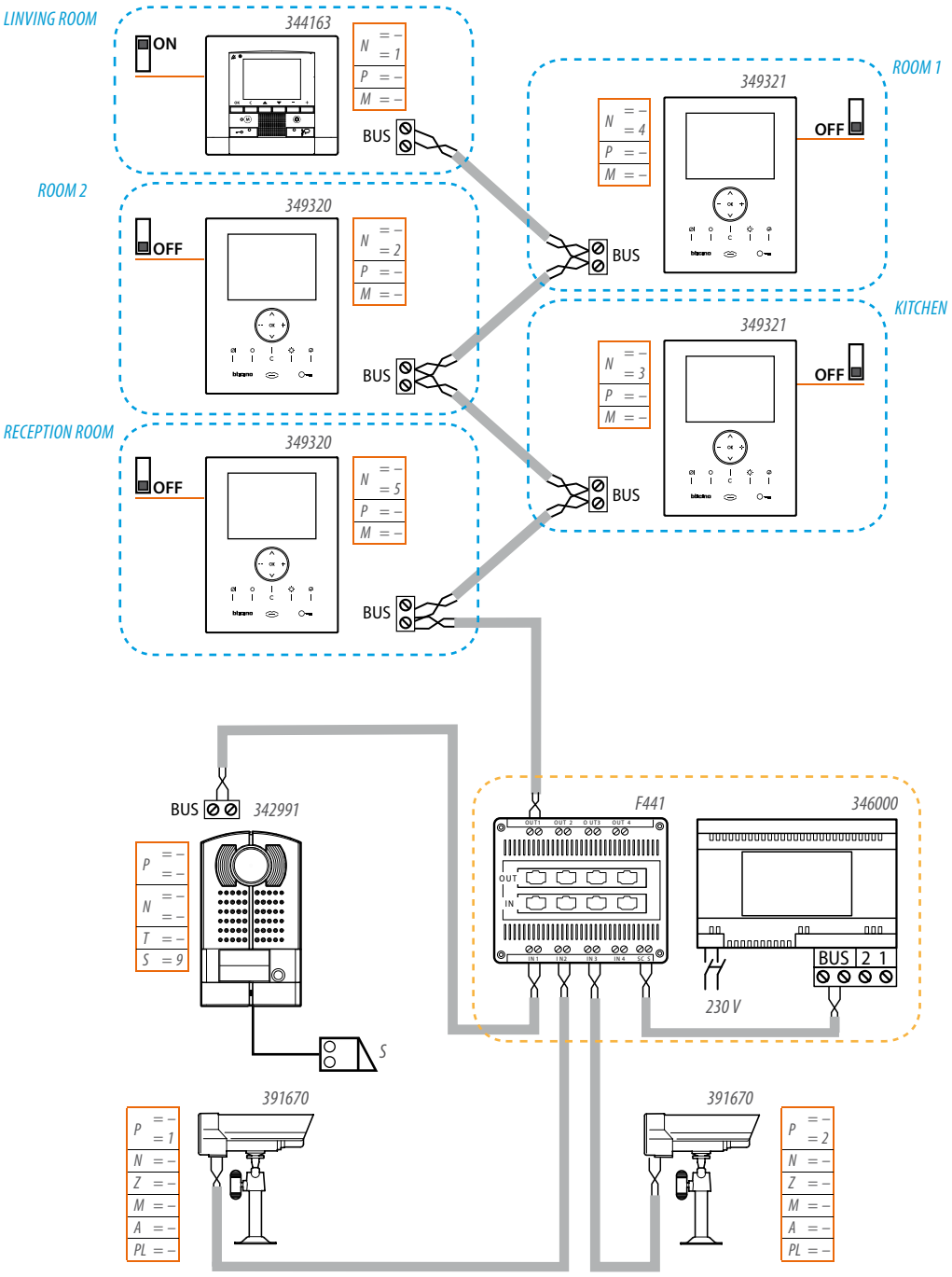


ITEM	DESCRIPTION	QUANTITY
343001	Entrance panel	1
F441	Audio/video node	1
346000	Power supply	1
349320	Nighter Video Station	3
349321	Whice Video Station	2
S	Electrical door lock	1

Example 2 - Villa

ONE-FAMILY VIDEO DOOR-ENTRY SYSTEM WITH OUTDOOR CAMERAS





ITEM	DESCRIPTION	QUANTITY
342991	Entrance panel	1
391670	Outdoor camera	2
F441	Audio/video node	1
346000	Power supply	1
349320	Video Station Nighter	2
349321	Whice Video Station	2
344163	Polyx Memory Display	1
S	Electrical door lock	1

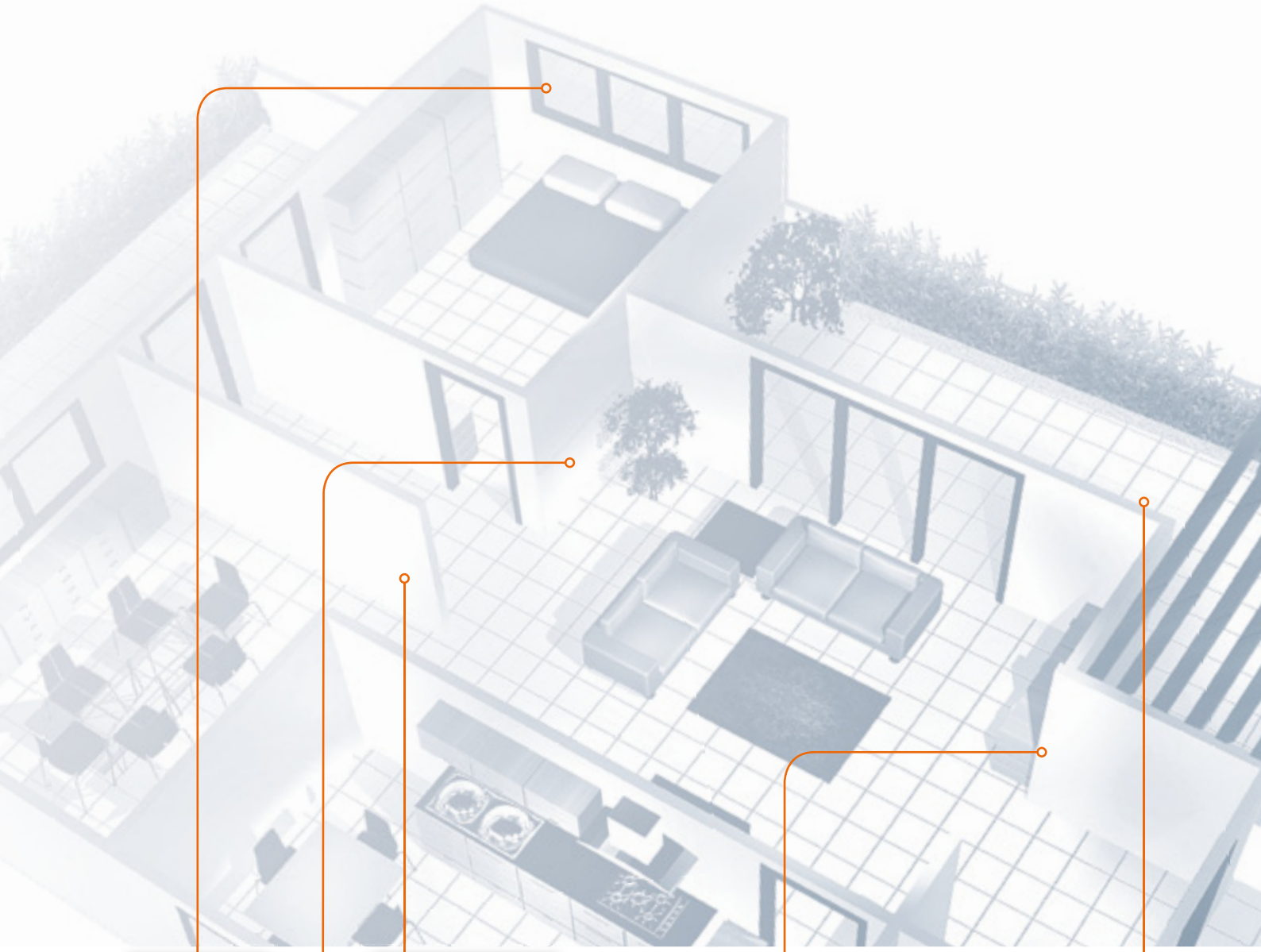
- *Max. 5 handsets*
- *Max. 200 metres between the entrance panel and the last handset*

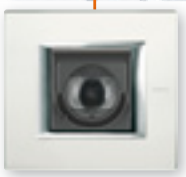
S = Electric door lock 18 V 4 A impulsive 250 mA holding current

NOTE 1: We recommend that the video handsets are configured using the software supplied with the product
NOTA 2: The answering machine function is available only using the 344163 video handset, and can only be activated on 1 video handset (the one configured with N=1)

Example 3 - Apartment

APARTMENT WITH DEDICATED ENTRANCE PANEL AND PRIVATE CAMERAS





Indoor camera



Axolute Eteris Video display



Polyx Memory Display



Outdoor camera

Apartment interface

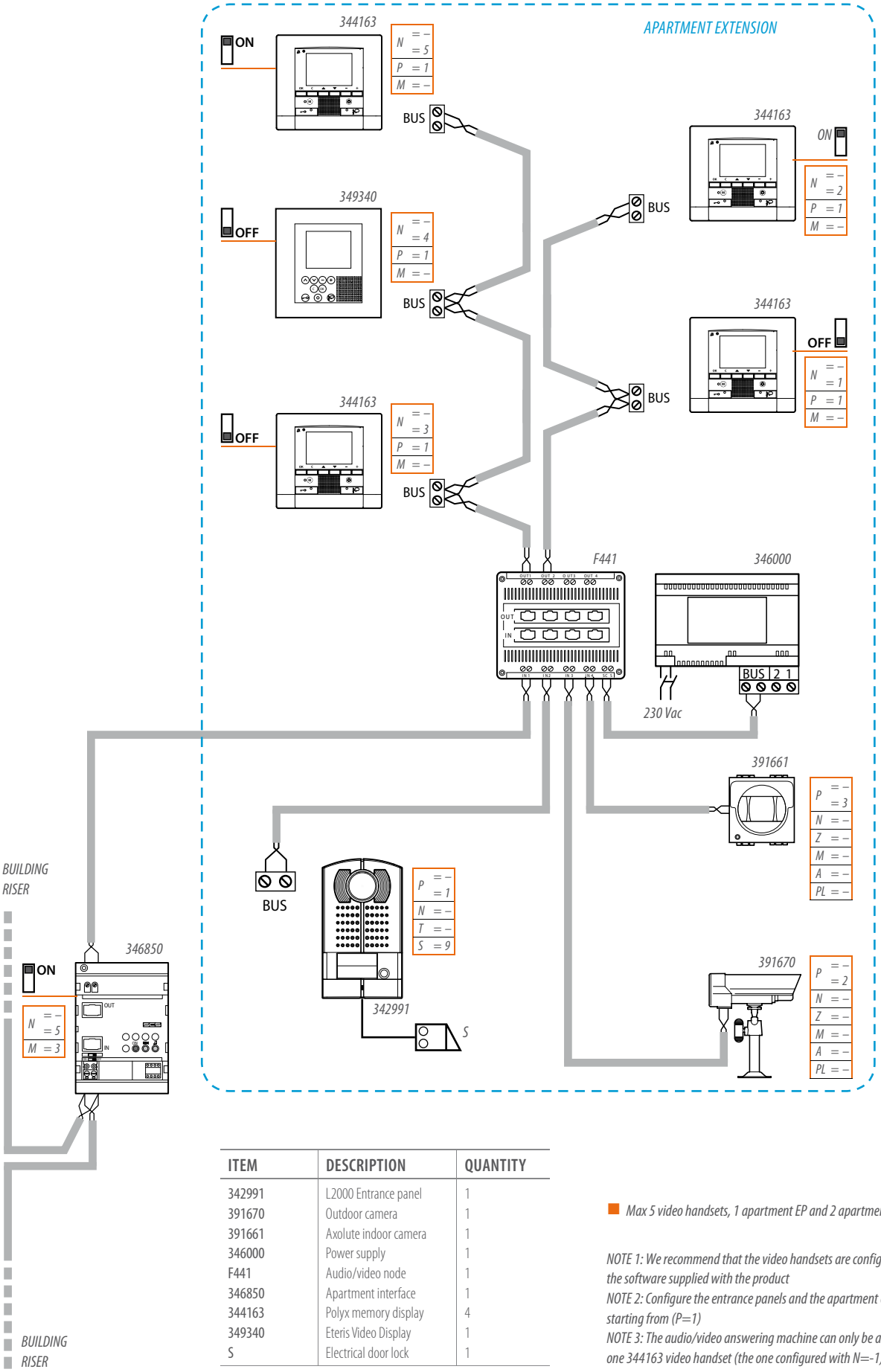


Audio/video node



Power supply





ITEM	DESCRIPTION	QUANTITY
342991	L2000 Entrance panel	1
391670	Outdoor camera	1
391661	Axolute indoor camera	1
346000	Power supply	1
F441	Audio/video node	1
346850	Apartment interface	1
344163	Polyx memory display	4
349340	Eteris Video Display	1
S	Electrical door lock	1

- *Max 5 video handsets, 1 apartment EP and 2 apartment cameras*

NOTE 1: We recommend that the video handsets are configured using the software supplied with the product
NOTE 2: Configure the entrance panels and the apartment cameras starting from (P=1)
NOTE 3: The audio/video answering machine can only be activated on one 344163 video handset (the one configured with N=-1)

Example 4 - Complexes of small houses

MULTI-FAMILY SYSTEM WITH SINGLE INDEPENDENT DWELLINGS AND AT LEAST ONE COMMON ACCESS POINT





Apartment interface

Audio/video node

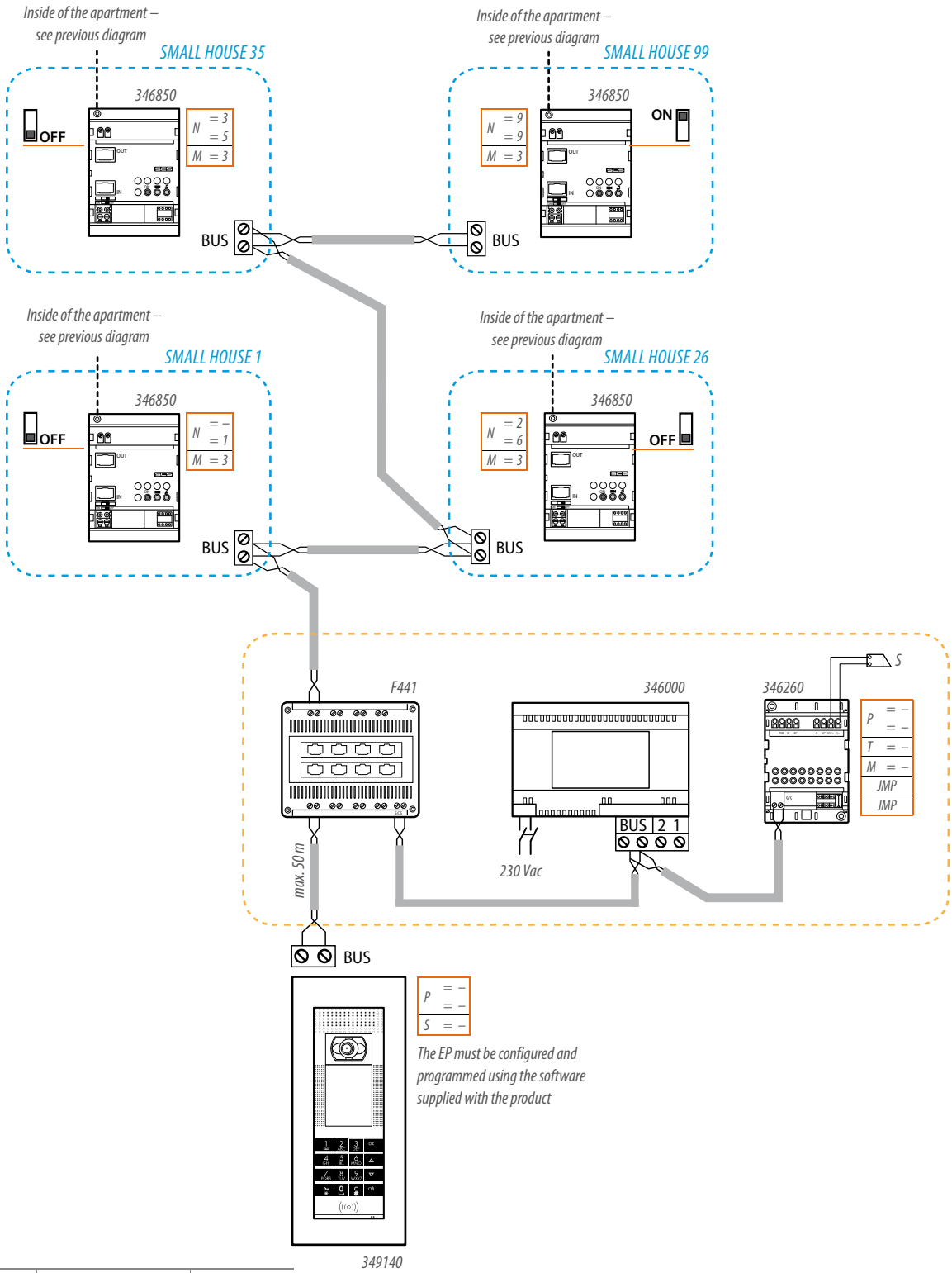


Power supply



Entrance panel

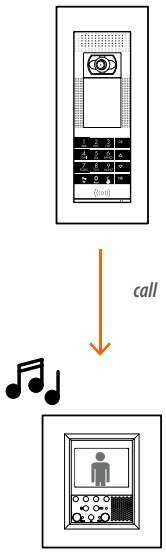




ITEM	DESCRIPTION	QUANTITY
349140	Axolute entrance panel	1
339213	Front cover plate	1
339313	Flush mounted box	1
F441	Audio/video node	1
346000	Power supply	1
346850	Apartment interface	1 - 99
S	Electrical door lock	1
346260	Door lock actuator	1

- *Max 99 apartment interfaces and 1 apartment complex entrance panel*
- *Max 50 metres between entrance panel and audio/video node*

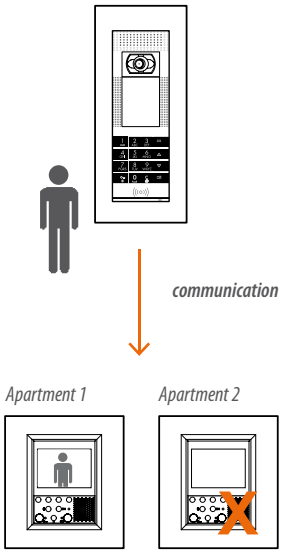
System functions



The handset rings and the monitor switches on

THE CALL

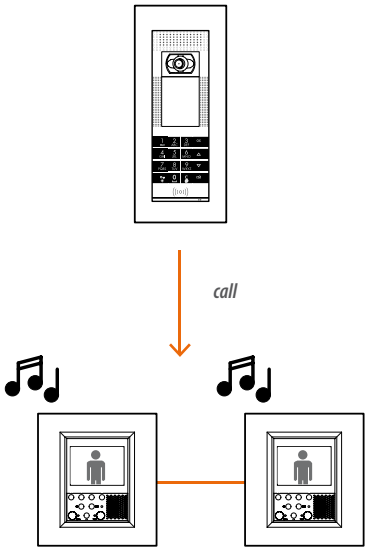
Pressing the call pushbutton on the entrance panel, the system generates a signal that is only recognised by the video handsets the call is addressed to (the call will have to be answered within 30 seconds from the moment the pushbutton is pressed).
Each VIDEO handset is configured in a unique specific way. When the call is received, the video handset rings and the monitor switches on.
Press the pushbutton to establish the communication (maximum duration of the communication is 1 minute) with the entrance panel. Press again to stop the communication and switch the monitor off.



The conversation cannot be heard

CONVERSATION SECRECY

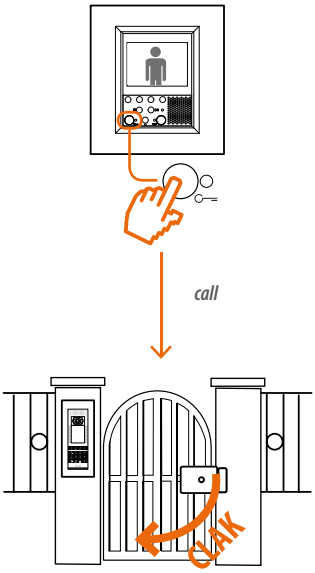
During the conversation between the entrance panel and the video handsets, all external panels and handsets that are not involved in the conversation are temporarily excluded in order to guarantee the privacy of video door entry conversations. When calling from an entrance panel that is temporarily excluded, a time-out tone will be heard, to indicate that the extension line is momentarily busy.



All the handsets, on the same call, ring and switch on the monitor.

SIMULTANEOUS SWITCHING ON

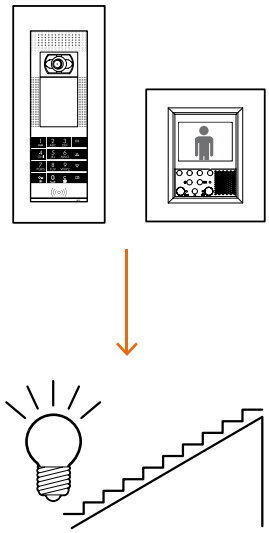
With video handsets, simultaneous switching on of the monitor is also possible: upon arrival of the call, all handsets ring and the monitors of all video handsets switch on. When the call is answered, only the monitor of the video handset communicating with the entrance panel will remain on.
In order to set this function, all the video handsets but one must be powered locally using an additional power supply, item 346020.



Pressing the door lock key will open the gate associated with the handset.

DOOR LOCK PUSHBUTTON

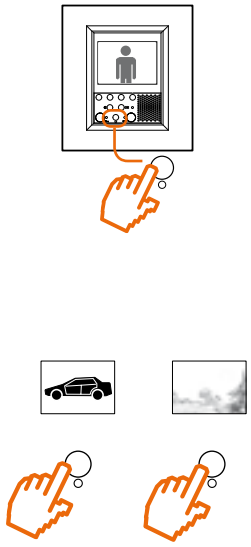
The video handsets are fitted with a door lock pushbutton. Pressing this pushbutton will open of one of the door locks of the system.
With the system at rest, the pressure of the pushbutton will cause the opening of the door lock of the entrance panel associated with the handset during the P configuration of the handset itself. On the other hand, if the pushbutton is pressed during the call, the door lock associated to the entrance panel making the call will be opened.



The staircase light function will switch on the system lights connected to a special actuator

THE STAIRCASE LIGHT FUNCTION

The video handsets are equipped with an icons menu.
This function activates a relay for the timed switching on of lights and the opening of the gate.
The function can be performed by installing the actuator item 346200, appropriately configured.



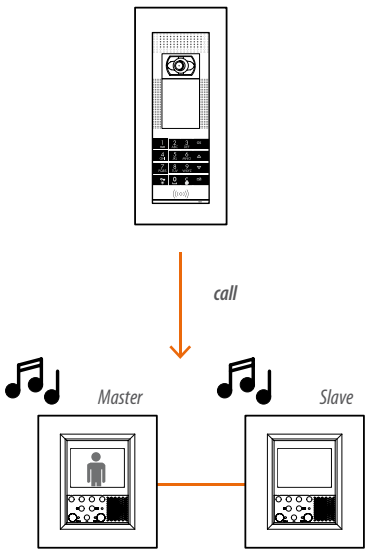
Each time the self-switching on key is pressed the images displayed change.

SELF-SWITCHING ON PUSHBUTTON

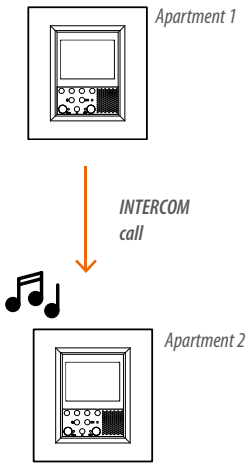
By pressing the self-switching on pushbutton while the videohandset is at rest, a connection will be established with the entrance panel associated with the handset during the P configuration of the handset itself.
Pressing repeatedly on the self-switching on pushbutton, will scroll through the various entrance panels and the cameras connected to the system.



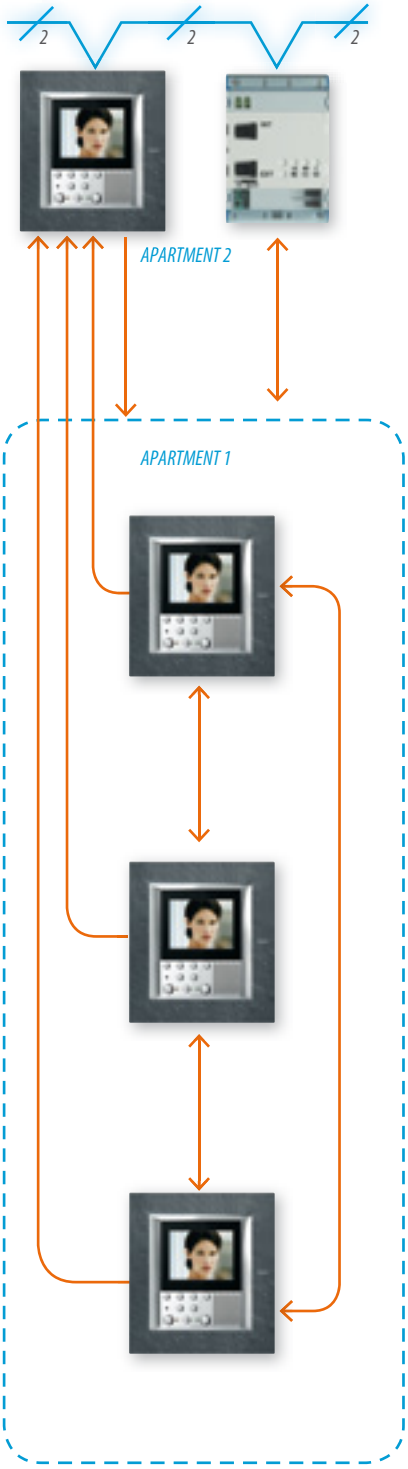
System functions



When a call is received, the MASTER comes on, while the SLAVE will only ring.



Item 346850 apartment interface enables the INTERCOM function between the devices within the one apartment and the various apartments



MASTER-SLAVE FUNCTION

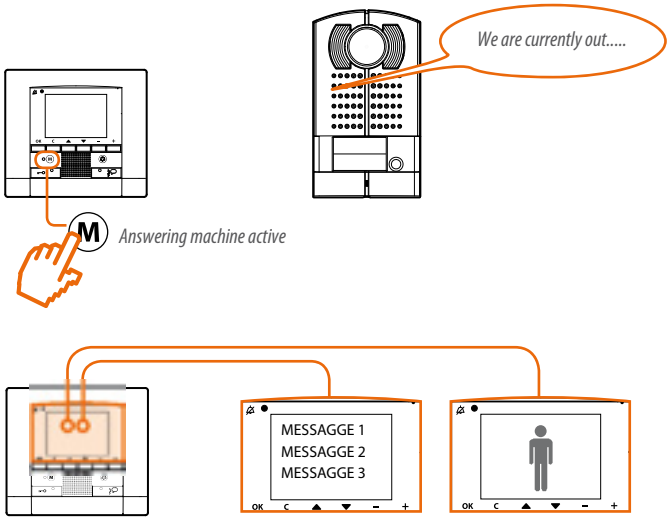
For multi-family installations the MASTER-SLAVE function is available: when the call is received, all the apartment handsets ring, but only the monitor of the video handset configured as master comes on. When the auto-switching on key of a SLAVE is pressed, the monitor of the MASTER handset turns off, while the monitor of the SLAVE itself turns on (without necessarily establishing communication with the entrance panel). If the connection key of a SLAVE is pressed, the MASTER monitor turns off and communication with the audio-video entrance panel is established.

INTERCOM

The system offers an intercom function, with up to 3 minutes communications between videohandsets:

- From different apartments
- Within the same apartment

If the apartment has an apartment interface - item 346850 - or is a one- family apartment, each videohandset of the apartment can be called individually. The INTERCOM connection can be established at the same time as other external connections. The INTERCOM connection can be simultaneous to other connections external to the apartment. If the apartment does not have an apartment interface - item 346850 - any apartment handset can call all other apartment handsets. The INTERCOM connection will not occur at the same time as external connections. Any call received by an EP, even to any other apartment, will terminate the INTERCOM connection.



Playback of sounds and images recorded by the answering machine







VIDEO DOOR ENTRY SYSTEM ANSWERING MACHINE FUNCTION

Function available only using the POLYX MEMORY DISPLAY video handset, item 344163. It is possible to record voice and images of a call from an entrance panel.

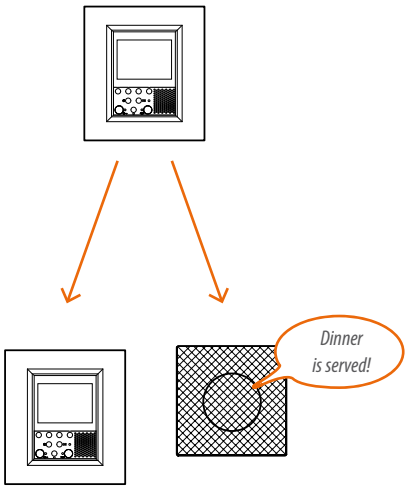
It is also possible to record an audio message to play back on the entrance panel following an unanswered call.

The video door entry system message can be recorded in 2 ways:

- STILLS: the message includes a picture of the visitor and the recorded audio message (160 messages max).
- VIDEOS: the message includes a video feed (duration 16 seconds) and the recorded audio message (18 messages max).

  Each message will be given a progressive number, which will be displayed on the video handset, together with the date and time information.

System functions

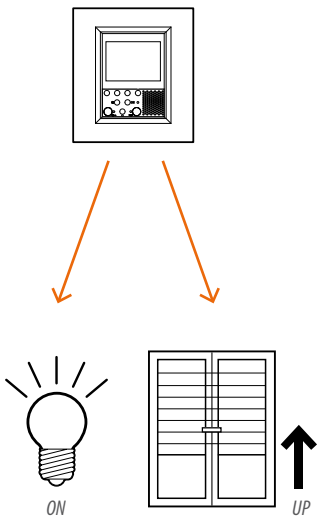


PAGER FUNCTION IN SYSTEMS INTEGRATED WITH SOUND SYSTEM

By pressing the conversation pushbutton on the video handsets, it is possible to broadcast a message through all the loudspeakers of the sound system. The involved video handsets must be powered locally.

From the video handset menu it is possible to control and display the functions of the sound system through the icons of the menu itself.

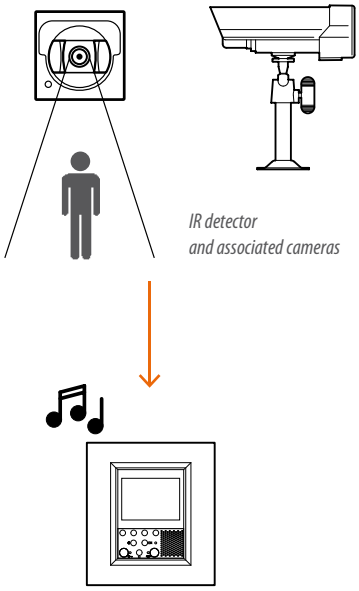
NOTE: function possible by configuring the video handsets using the software supplied with the product.



SCENARIO CONTROL FUNCTION IN SYSTEMS INTEGRATED WITH AUTOMATION SYSTEM

From the video handsets, it is possible to recall the scenarios saved in the F420 scenarios.

NOTE: function possible by configuring the video handsets using the software supplied with the product.

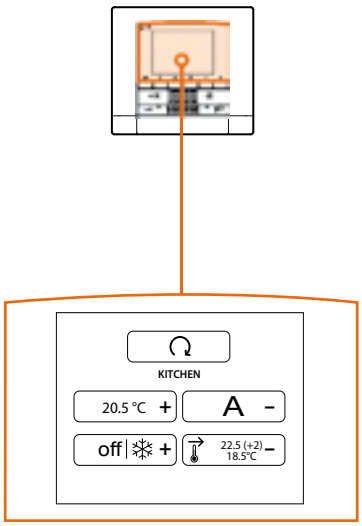


SWITCHING ON CAMERA FUNCTION IN SYSTEMS INTEGRATED WITH THE BURGLAR ALARM SYSTEM

It is possible to associate a zone of the burglar alarm to the cameras. When an alarm situation is detected, the images recorded by the camera are displayed on the video handset.

Using the appropriate icons of the menu of the video handset, it is possible to monitor the status of the burglar-alarm system: for example, the status of the burglar-alarm (armed/disarmed), active zones, alarms occurred.

NOTE: function possible by configuring the video handsets using the software supplied with the product.



SUPERVISION FUNCTION IN SYSTEMS INTEGRATED WITH THE TEMPERATURE CONTROL SYSTEM

From the video handset menu, it is possible to display the status of the temperature control system.
Using the appropriate icons it is possible, for example, to change the temperature parameters, and display the status of the probes.

NOTE: function possible by configuring the video handsets using the software supplied with the product.



System composition

The system is classed as SELV (Safety Extra – Low Voltage) due to the fact that it is powered by non grounded safety double insulation independent power supplies with a max. voltage of 25 Vac (effective) or 60Vdc non-inverted voltage.
In addition, all BTicino devices are double insulated.

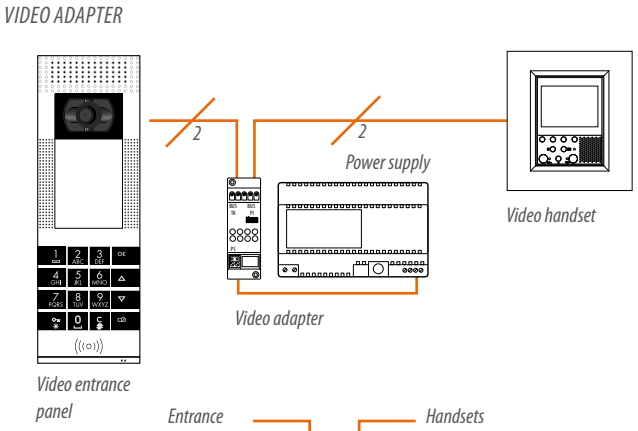
The conformity to SELV classification is only guaranteed only subject to FULL COMPLIANCE with current installation regulations and with the GENERAL RULES FOR INSTALLATION relating to each single device and cable, making up the installation.

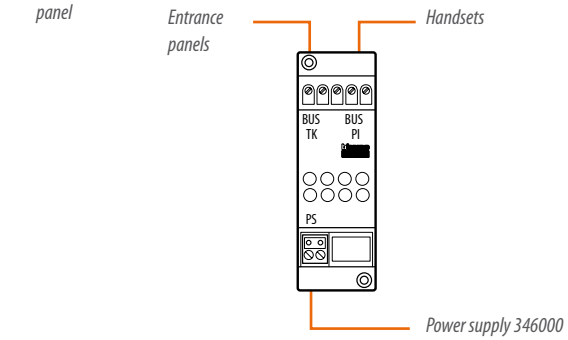
BASIC ELEMENTS OF THE VIDEO SYSTEM

In order to install a system it is necessary to purchase, in addition to the entrance panel and the handset, also the 346830 video adapter, or the F441 audio/video node, and the 346841 floor shunt with the function of distributing the video signal.

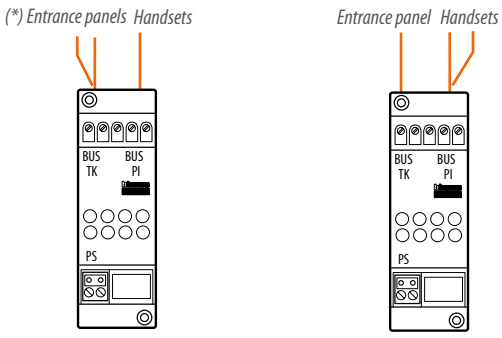
VIDEO ADAPTER

The video adapter is used to connect entrance panels and handsets to a 2 wire video system
A maximum of 3 connections are allowed on the video adapter.





A maximum of 3 connections are allowed on the video adapter.



Connection of 2 entrance panels and a riser for the handsets

Connection of 1 entrance panel and 2 risers for the handsets

(*) If either an interface is connected to the entrance panel, only one connection on the TK BUS terminal of the video adapter is possible.

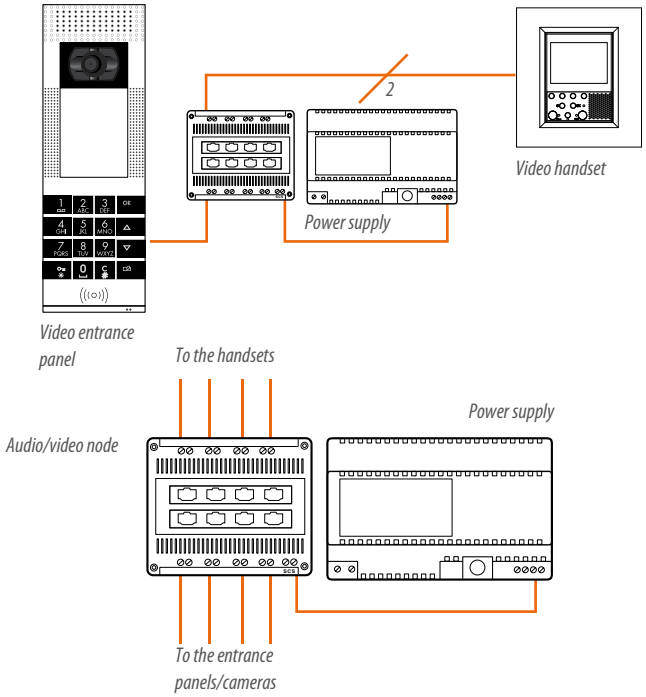
AUDIO/VIDEO NODE OR VIDEO MATRIX

The F441 audio/video node and the F441M video matrix must be used in alternative to the video adapter when more than 2 entrance panels must be installed in the system, or when more than 2 risers are needed.

The use of the audio/video node or the video matrix is however recommended, to allow for future MY HOME integrations, system expansions, and/or addition of cameras.

Allow for one output of the audio/video node, or the video matrix, for each video door entry system video handset with table-top installation.

AUDIO/VIDEO NODE

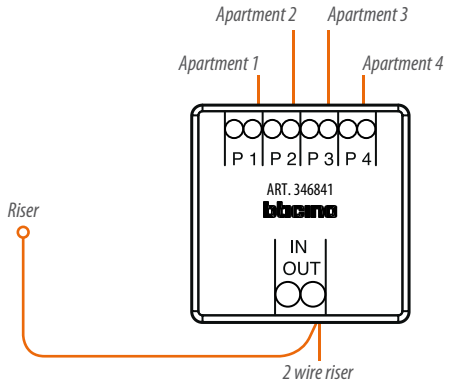


FLOOR SHUNT

When creating video systems, the use of the floor shunt, item 346841 is recommended. This will provide important savings on the cable to be used. This is particularly suitable for multi-family systems, when more than one living unit on the same floor or in multi-family systems, where max. distance between the entrance panel and all handsets is needed. The Floor shunt enables star connection of up to 4 apartments with a max. of 3 handsets for Apartment (max. 1 handset per output, if set in simultaneous switching on).

One output of the audio/video node should be dedicated to each table-mounted video handset installed.

FLOOR SHUNT



For each output:

- *max. 3 video handsets or bells in the same apartment*
- *max. 1 video handset in simultaneous switching on*
- *max. 1 table-mounted video handset*

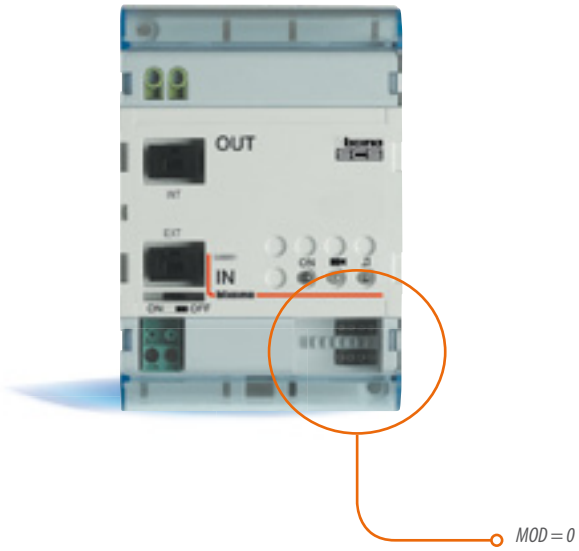
System composition

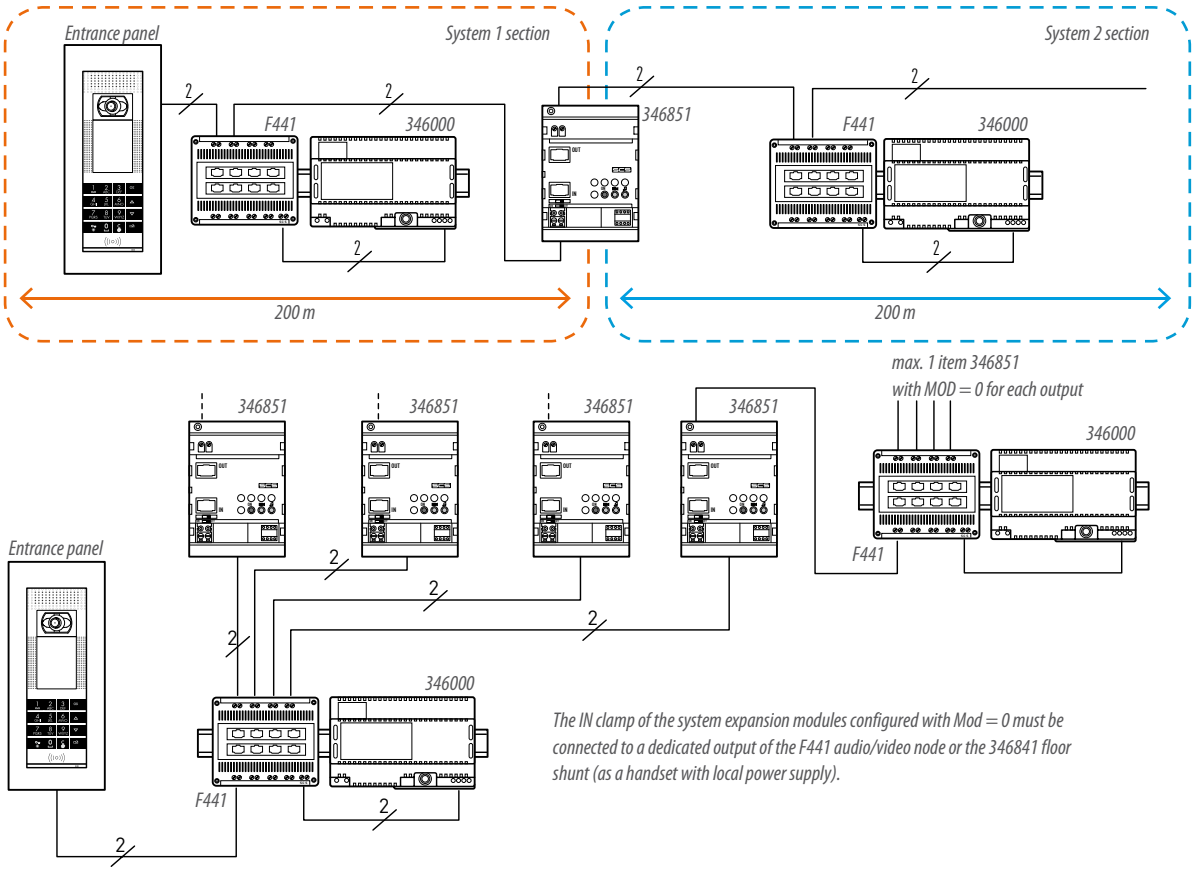
SYSTEM EXPANSION MODULE
346851 IN MOD = 0
(SYSTEM EXPANSION MODE)

To be used for system expansion, in order to:

- Regenerate the video signal and have a further 200 m available after the interface (using the 336904 cable)
- Increase the number of devices connected to the BUS
- Use a max. of 3 modules, configured using the MOD = 0 in cascade.

As far as the system composition, distances and topology are concerned, within the system 1 section, the system expansion module item 346851 must be considered as a handset. On the other side, within the system 2 section it should be considered as an entrance panel.

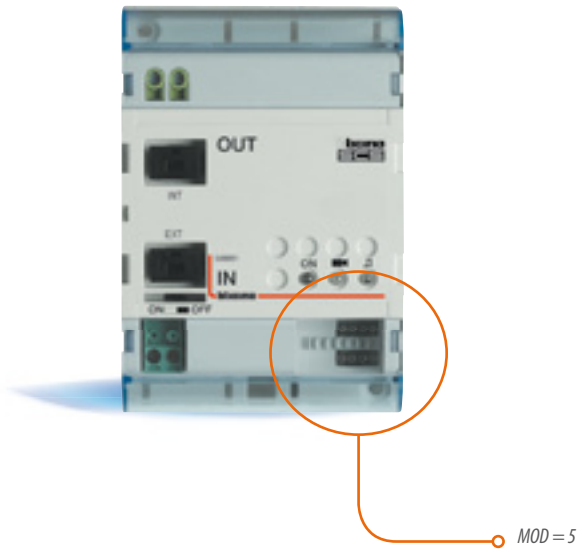


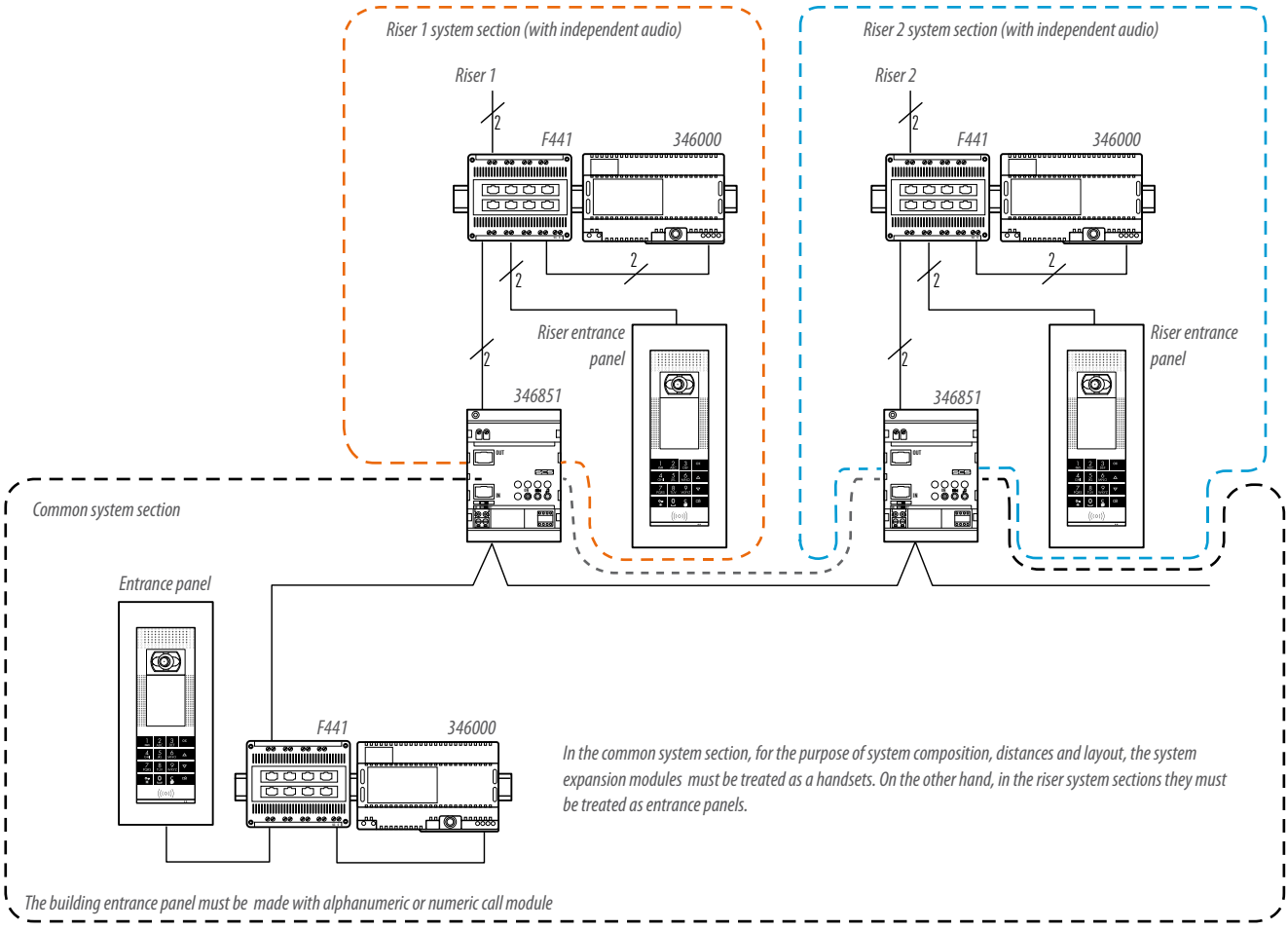


The IN clamp of the system expansion modules configured with Mod = 0 must be connected to a dedicated output of the F441 audio/video node or the 346841 floor shunt (as a handset with local power supply).

SYSTEM EXPANSION MODULE ITEM 346851 IN MOD = 5 (INDEPENDENT RISER MODE)

This is used in buildings to have risers with riser entrance panels and independent audio and video functions.





System composition

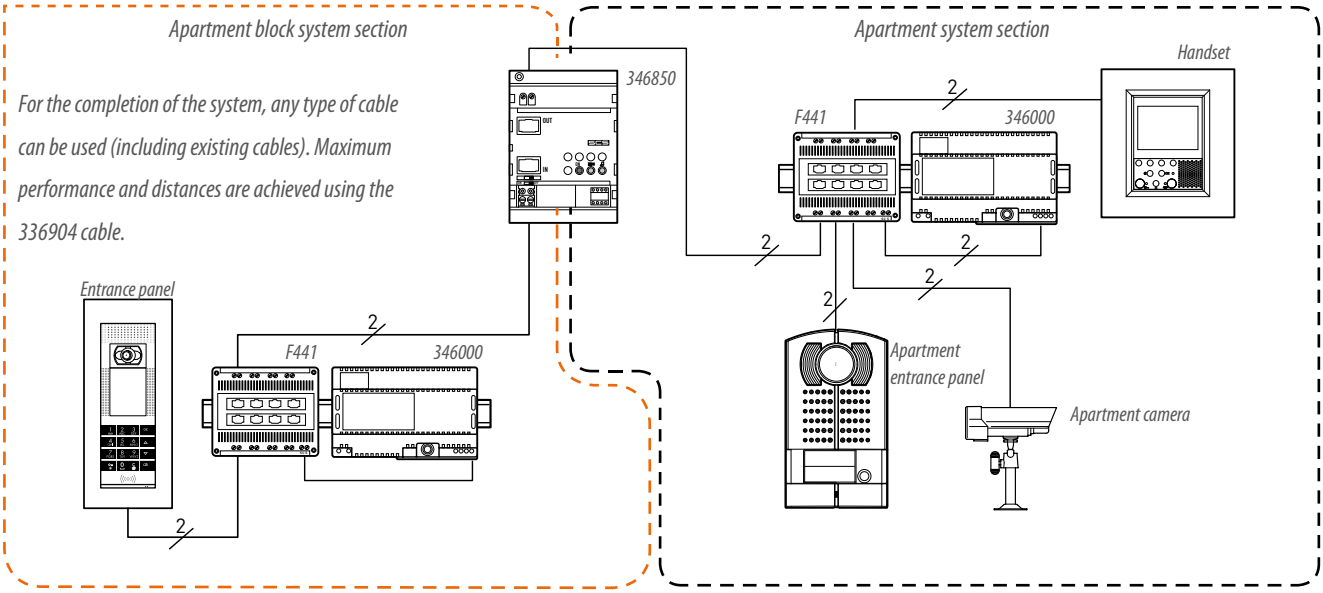
APARTMENT INTERFACE

ITEM 346850

This is used to have an apartment system independent from the building. In this way, the apartment system can have private cameras and entrance panels and can be integrated with all the MY HOME applications.



As far as the system composition, distances and topology are concerned, within the building system, the interface item 346850 must be treated as a handset. On the other side, within the apartment system, it should be treated as an entrance panel configured with P = 0.



Configuration

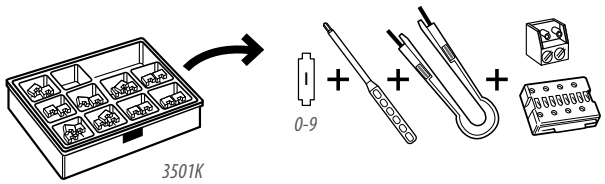
To configure means to program the system. This occurs assigning an identification and operational mode number to the devices.
This operation is made inserting in the appropriate seats some configurators (numbered from 0 to 9), using a clamp provided with the power supply or contained in the case of the configurators or using the configuration software (recommended).

A seat is left empty corresponds to the configuration of a zero.

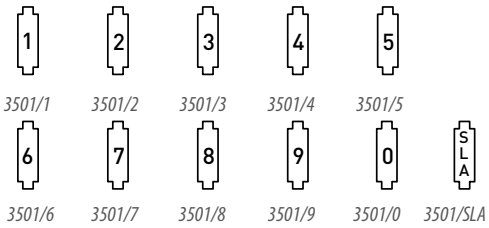
In the system exist two different numerations to identify respectively the entrance panels (EP) and the handsets.
The numeration of the EP (0-96) is generally identified by P, while the address of the handsets (0-99) is identified by N.
On the EP, in addition to the P address it is necessary to configure also the N address relating to the handset from which we would start to call.
On the handsets in addition to the N address, it is necessary to configure in P the EP associated to the same handset, or the entrance panel on which the door lock and auto-switching ON controls work when the handset is switched OFF.

Should occur the need to modify the configuration of a device, it is necessary, in addition to change the configurators, take off the power supply to the whole system, wait 1 minute, and then provide voltage again. For each device exist also particular configurations which will be detailed in the product technical sheet.

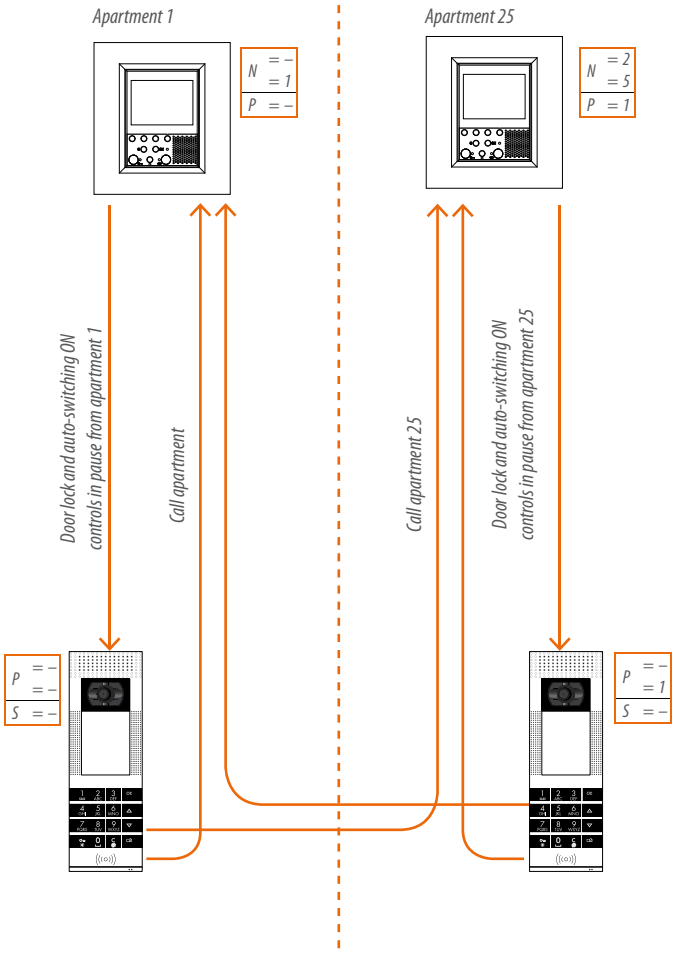
The configurators can be purchased in a case



or individually



Example of configured system and its operation



Configuration

SYSTEM EXPANSION MODULE

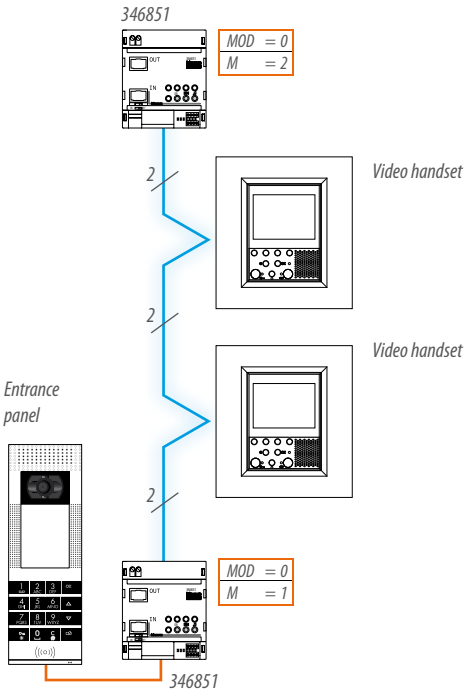
ITEM 346851

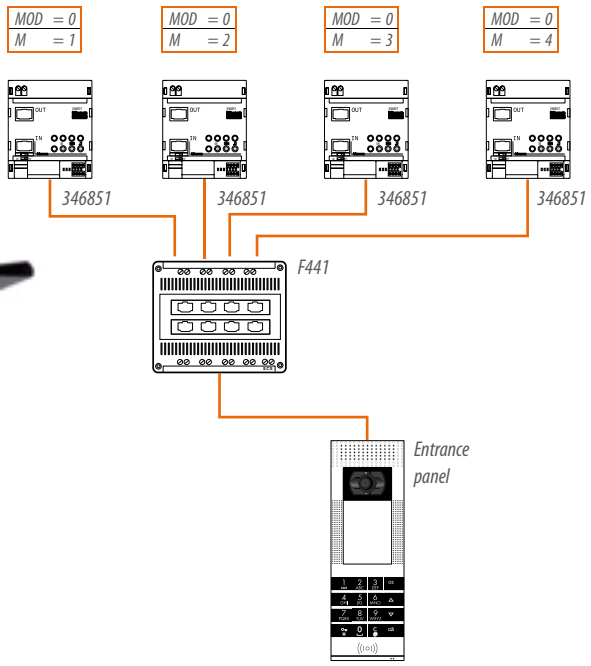
The system expansion module can be configured in 2 different ways:
(the addresses in M with MOD = 0 and MOD = 5 do not conflict with each other)



MOD = 0 for system expansion

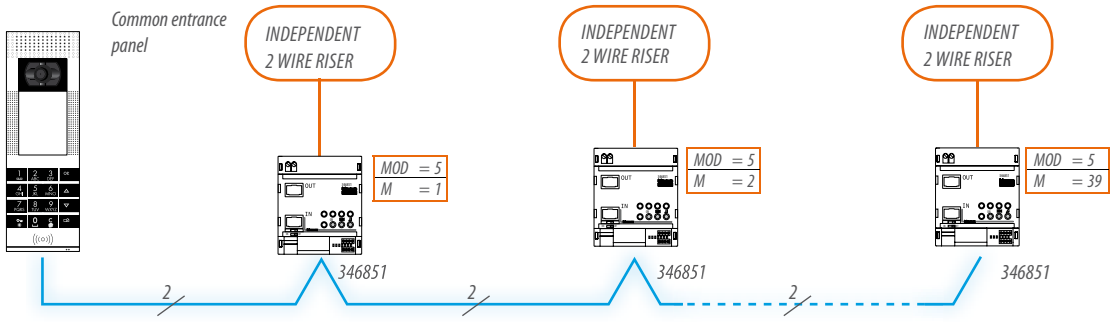
M = specific progressive number for interface





MOD = 5 for independent audio risers

M = specific progressive number indicating the riser number

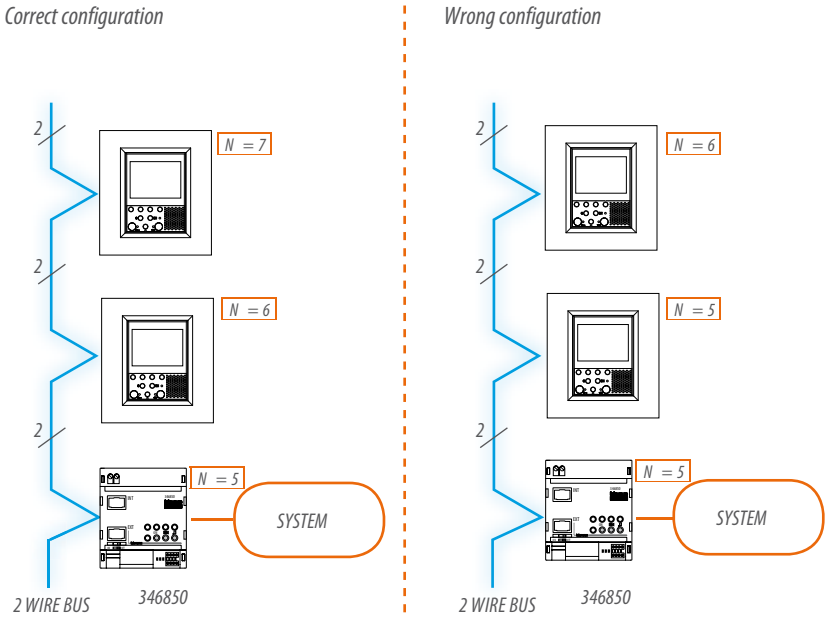


For the common entrance panel, the handsets have address M (riser number) x 100 + N (handset for the riser).

Es. Handset N = 20 of the riser 12 for the common EP = 12 x 100 + 20 = 1220

APARTMENT INTERFACE 346850

The apartment interface is configured as a normal handset. The interface must be configured in a specific unique way. No other handset can be configured in N using the same address, in the same system or on the same riser with independent audio. The factory device is configured with M = 3.



The wiring



SYSTEM WIRING

The systems can also be wired in 2 modes:

- in-out wiring
- STAR wiring with floor shunt 346841 (**RECOMMENDED**).

IN-OUT WIRING

IN-OUT wiring is connected directly on the terminal of the appliances which are connected to the system.
Each riser must be terminated by positioning the micro switch of the last handset to ON.
IN-OUT wiring is particularly indicated for one and two-family systems and for vertical or horizontal multi-family systems (with the homes in rows).

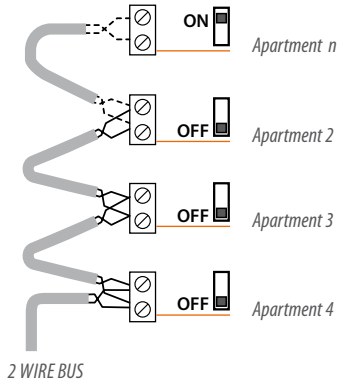
STAR WIRING

The star wiring is made connecting the individual apartment to an output of the floor distribution block Item 346841.

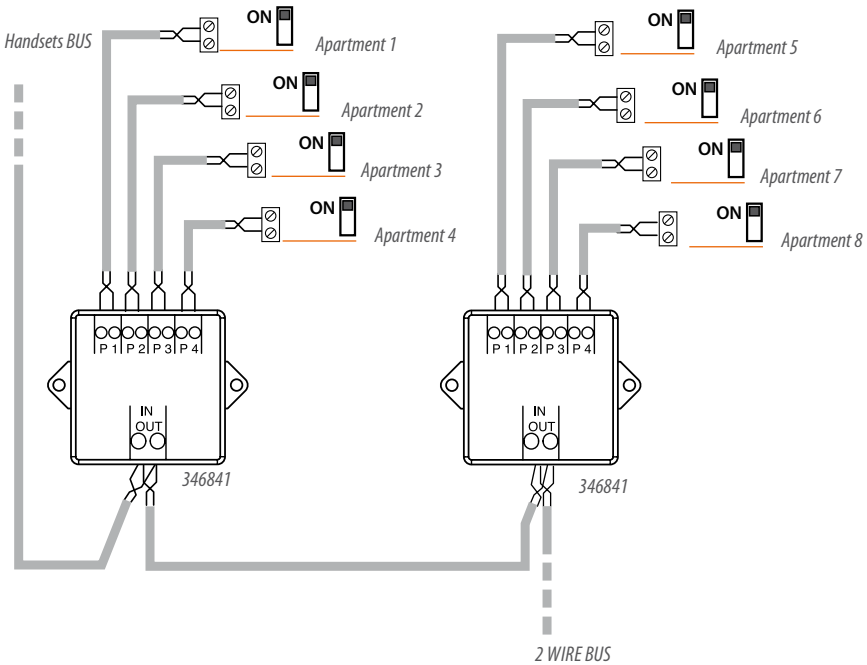
Each line must be terminated by positioning the micro switch of the last appliance to ON.
STAR wiring is particularly suitable for multi-family systems, when more than one living unit on the same floor or in multi-family systems, where max. distance between the entrance panel and all handsets is needed.
On each output of the shunt it will be possible to connect up to 3 handsets maximum.

An output of the floor distribution block must be dedicated to each handset with simultaneous switching on or table-top base installation.

IN-OUT wiring



STAR wiring



COMBINED WIRING

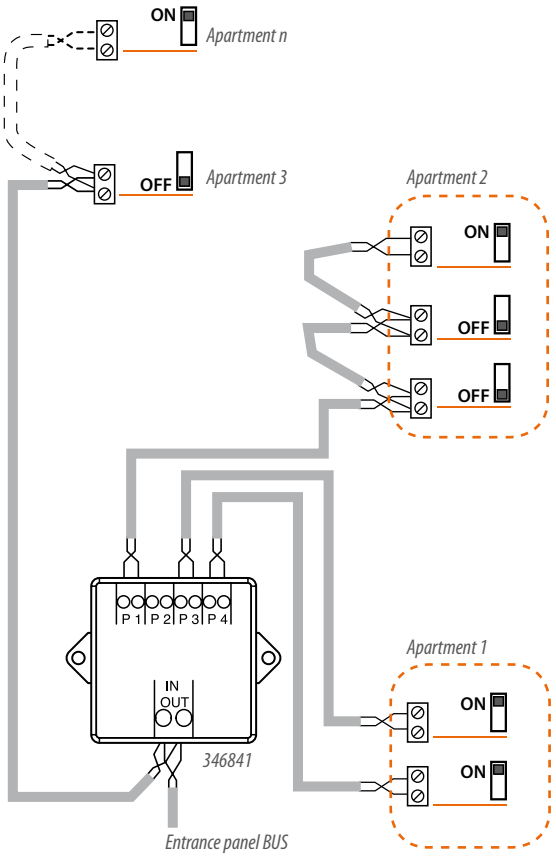
Both wiring methods described previously can be used together, for the realization of more articulated systems.

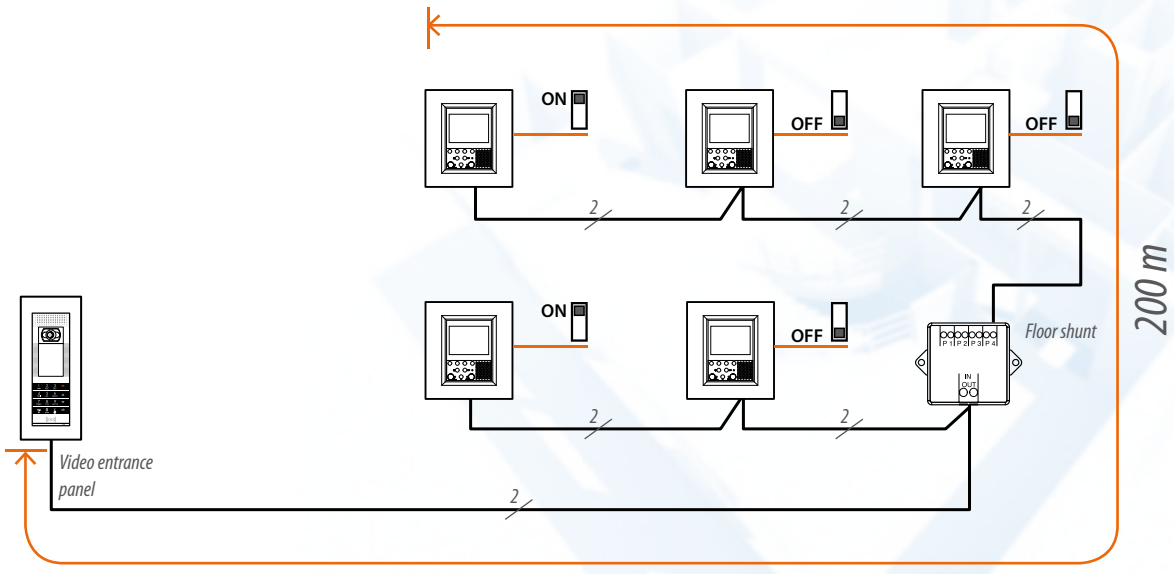
The combined wiring (IN-OUT and Star) allows to execute wiring systems in order to satisfy the greatest quantity of requests.

Floor distribution blocks outputs can be used to connect a single device or to generate an apartment line (on which max. 3 devices can be connected, without using the apartment interface item 346850).

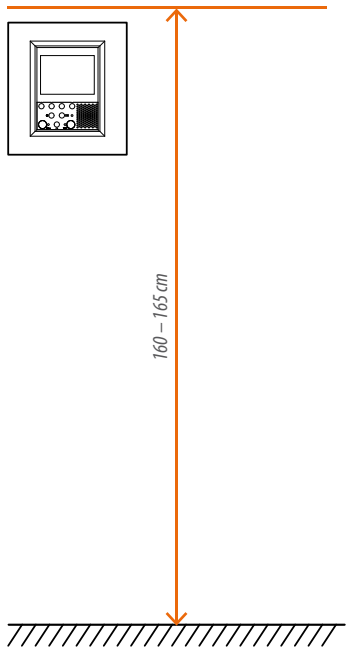
To the Bus handset can be connected in IN-OUT floor distribution blocks or handsets.

The assignation of the handsets to the apartments occurs through configuration (for further information see technical sheets for the individual devices).





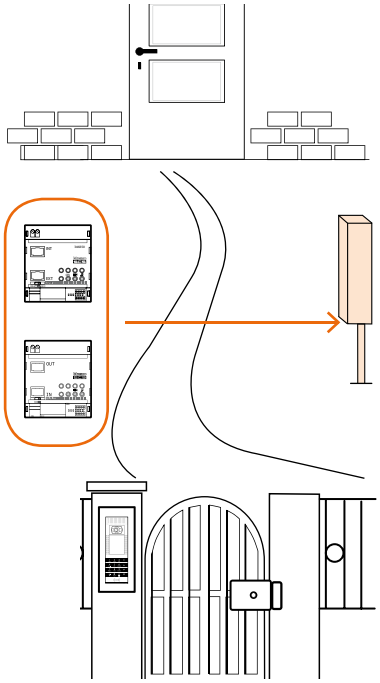
Installation of entrance panels, handsets and interfaces



HEIGHT OF THE HANDSET

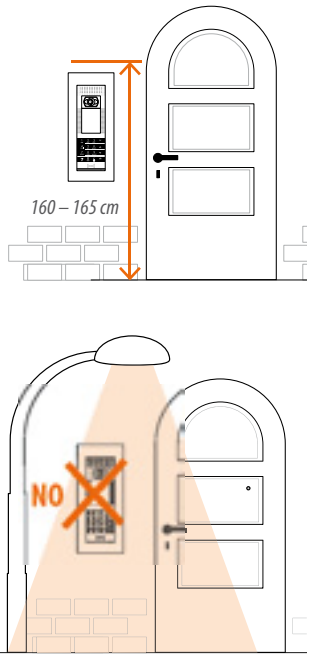
When installing the handsets, including standard or video handsets, it is recommended that the devices are positioned at a height of 160 – 165 cm (top edge).

Note: recommended installation heights, unless otherwise required by local regulations.



INTERFACES ITEM 346850 AND 346851

The interfaces item 346850 (apartment interface) and item 346851 (system expansion module) cannot be installed in a manhole. For their installation, a sealed electric cabin with DIN rail must be used (DIN switchboard).



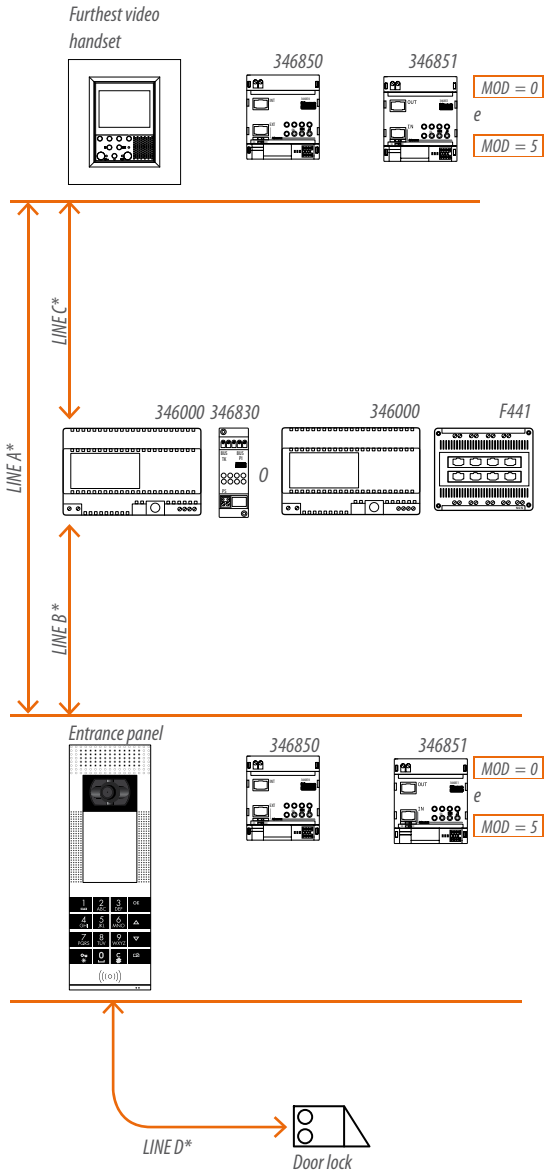
HEIGHT OF THE ENTRANCE PANEL

When installing the Entrance panel, it is recommended that the pushbutton panel is installed at a height of 160 – 165 cm (top edge).
The camera must not be installed in front of light sources, or in places where the subject being filmed is in the shadow.
If this condition cannot be respected, the picture will not have much contrast in the darker areas. This is because the brightness is self-regulated on the lighter part of the picture.
To solve these problems change the camera installation height, normally 160 – 165 cm, to a height of 180 cm and direct the lens downwards to improve the quality of the shots.
In scarcely lit areas, the installation of an additional light source is recommended.

System performance

The following information provides general parameters on the maximum distances that can be achieved, and the features of the cables to be used. The type of system considered is a single family system or system below an apartment interface.

WARNING: For installation solutions or types other than those shown, the distances and the current absorptions can be calculated using the You Diagram software (which can be downloaded free of charge from the website www.professionisti.BTicino.it – technical service – software and diagrams). Also refer to the specific technical documentation (2 WIRE system Technical Guide).



MAXIMUM DISTANCE LINE A ENTRANCE PANEL - FURTHEST HANDSET

Cable section mm²	2 normal cables > 0.2 mm² or L4669	336904	twisted telephone pair 0.28 mm²	one pair of the multi-pair data cable, item C9881U/5E
5 HANDSETS in/out	50 m	200 m	140 m	140 m
5 one-fam HANDSETS/OUTDOOR EP	50 m	200 m	100 m	70 m
5 one-fam HANDSETS/EP with local power supply	50 m	200 m	140 m	170 m

MAXIMUM DISTANCE LINE C POWER SUPPLY – FURTHEST HANDSET

Cable section mm²	2 normal cables > 0.2 mm² or L4669	336904	twisted telephone pair 0.28 mm²	one pair of the multi-pair data cable, item C9881U/5E
5 HANDSETS in/out	50 m	110 m	70 m	50 m
5 HANDSETS (with shunts)	50 m	110 m	70 m	50 m

MAXIMUM DISTANCE LINE B ENTRANCE PANEL – POWER SUPPLY

Cable section mm²	2 normal cables > 0.2 mm² or L4669	336904	twisted telephone pair 0.28 mm²	one pair of the multi-pair data cable, item C9881U/5E
2 pushbuttons	50 m	200 m	115 m	90 m
OUTDOOR EP	20 m	50 m	30 m	20 m
Entrance panel with local power supply	50 m	200 m	140 m	120

MAXIMUM DISTANCE LINE D ENTRANCE PANEL – DOOR LOCK

Cable section mm²	0.28	BTicino SCS cable - item L4669	BTicino SCS cable - item 336904	1
S+ S- clamps	30 m	30 m	50 m	100 m

(*) Max. variable distance.

Note: in systems with apartment interfaces only (in/out connection) the distance of LINE C to be taken into account is 200 m (with BTicino cable 336904)

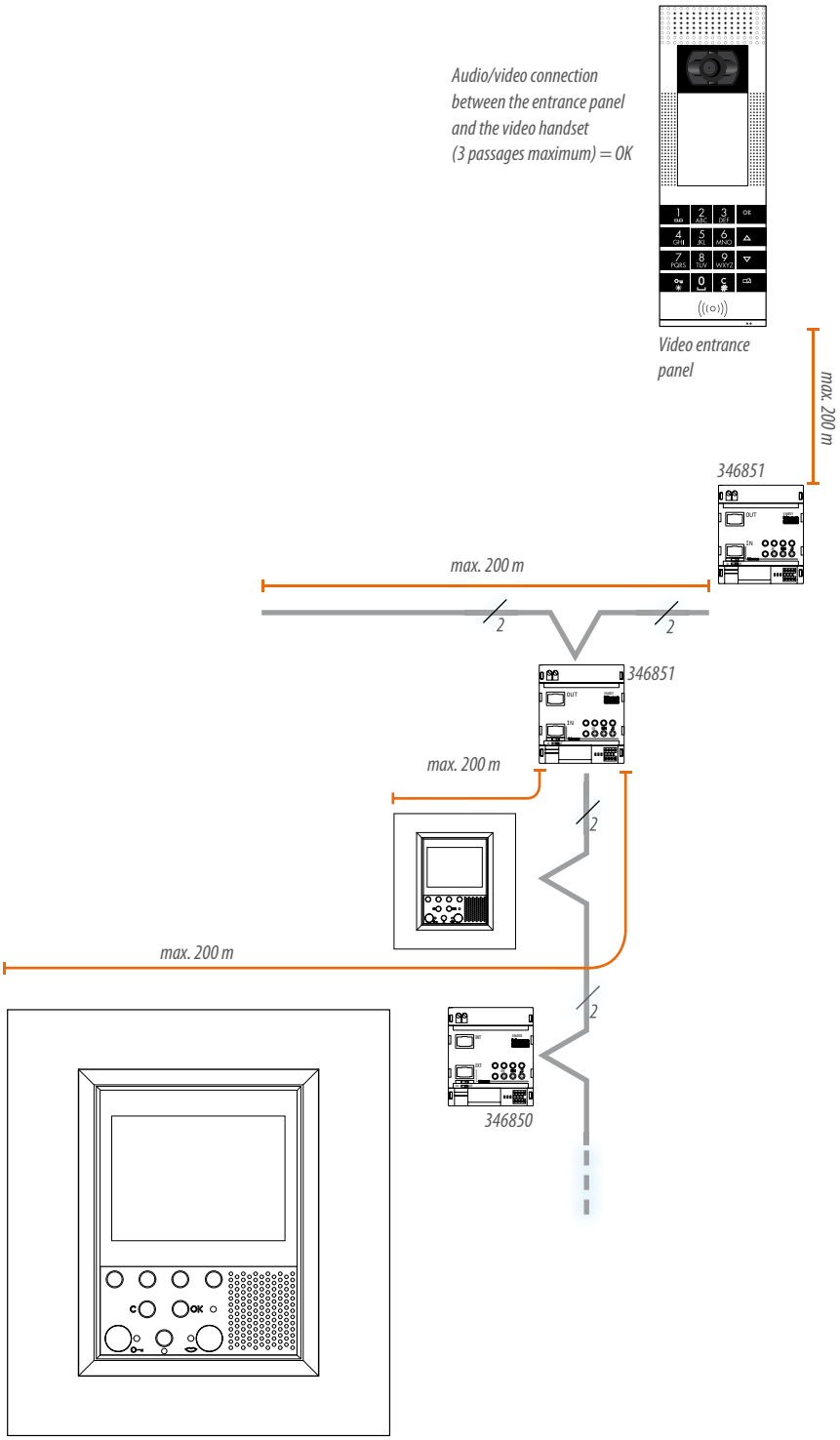
System performance

SYSTEM WITH APARTMENT INTERFACE AND SYSTEM EXPANSION MODULE

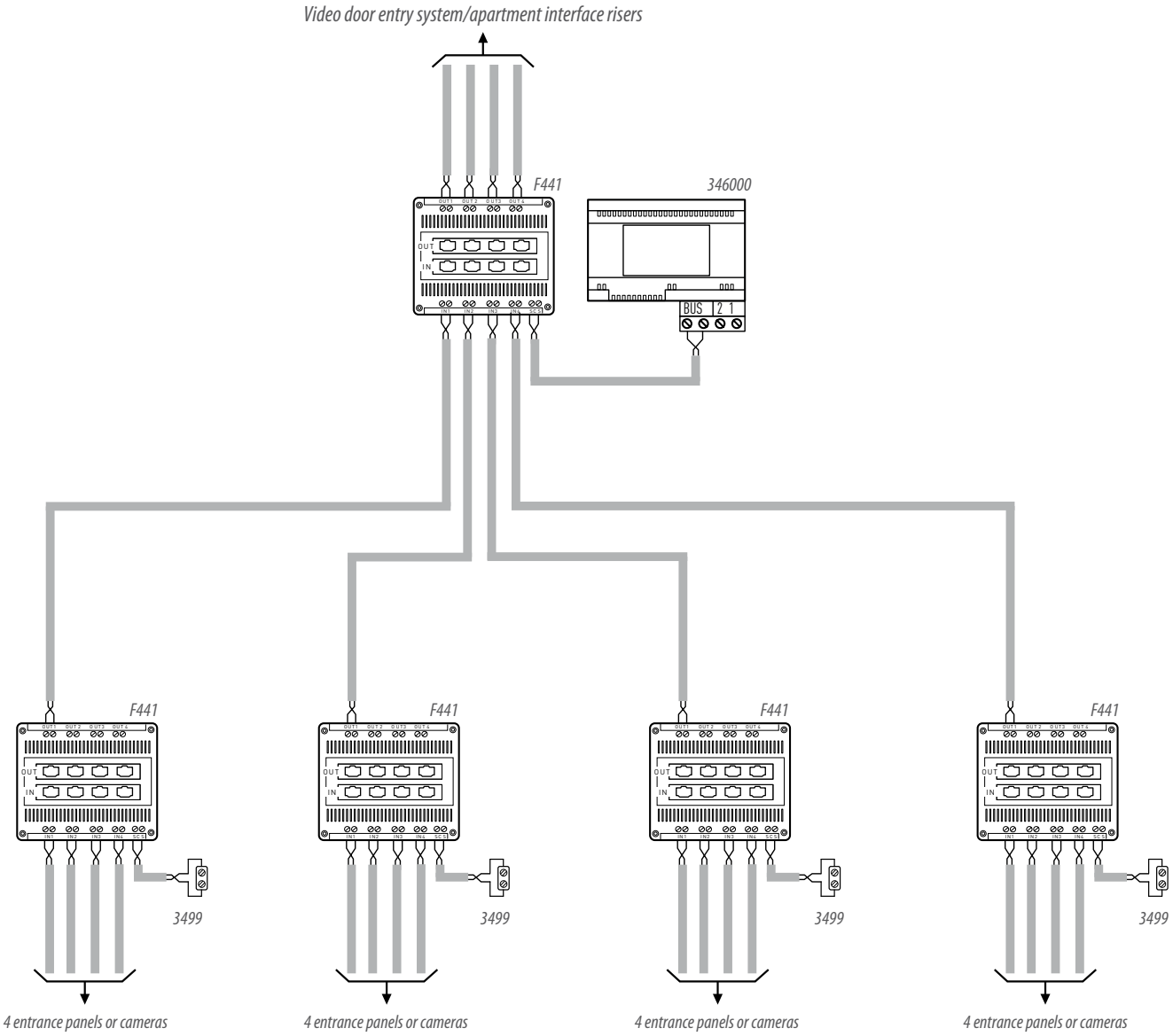
Up to 3 interfaces, items 346850 and 346851 may be installed in cascade. Cascade interfaces are those "crossed" by an audio/video connection (Entrance panel – HANDSET) or (HANDSET – HANDSET, e.g. INTERCOM). Only 2 of these interfaces (selected by the user) retransmit the signal for 200 metres.

The maximum distance between EP and the furthest handset is 600 metres. Each LINE (EP – INTERFACE), (INTERFACE – INTERFACE) and (INTERFACE – H) must be 200 metres maximum (with BTicino cable 336904).
The IN end cap of the system expansion module configured with M=0 MUST be wired and considered as a H with local power supply.

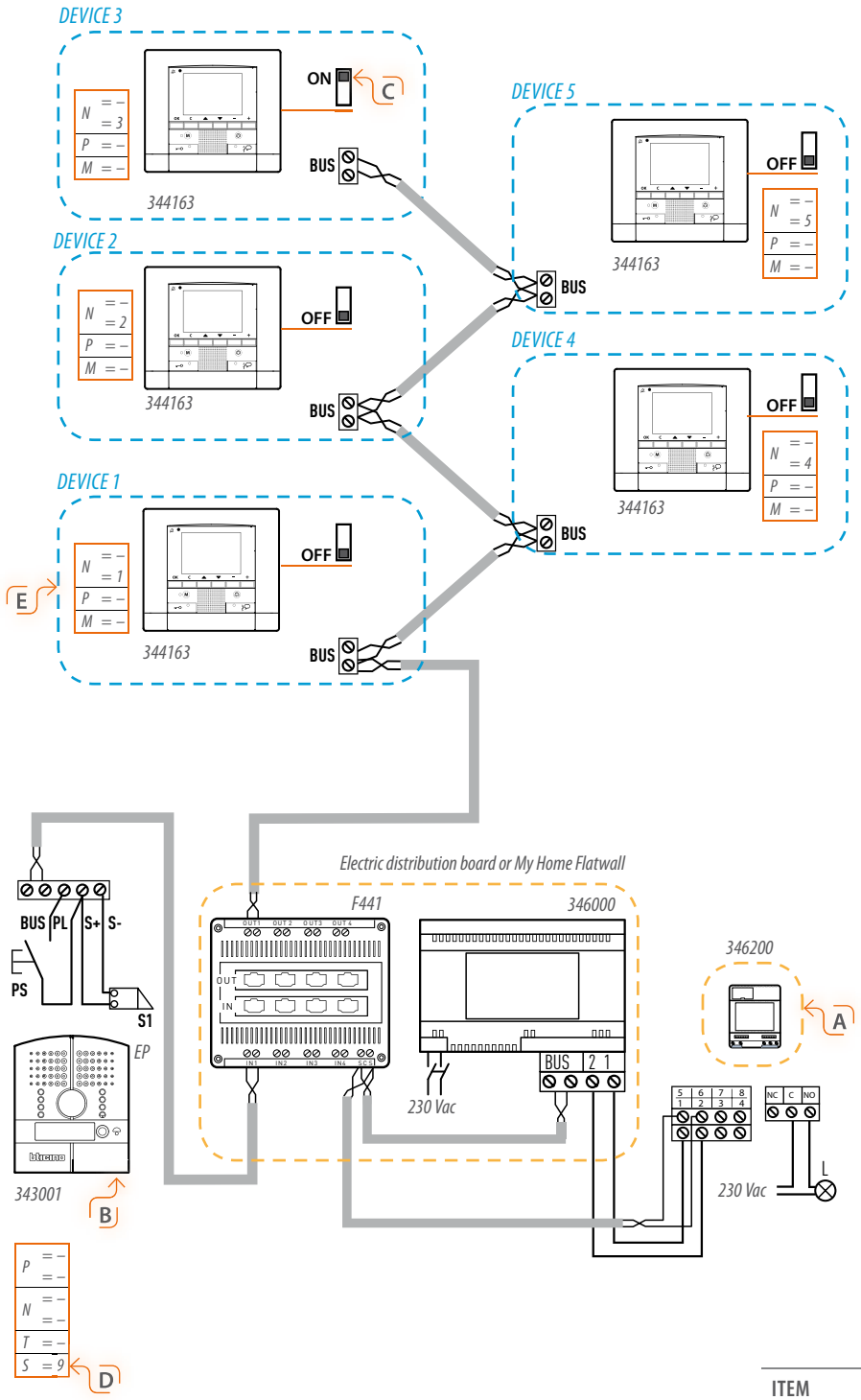
It must also be connected to an output of the Audio/video node F441, or the Floor shunt 346841.



CONNECTION OF 16 AUDIO /VIDEO ENTRANCE PANELS OR CAMERAS



One-family system with 1 EP and 5 intercommunicating video handsets



WARNING

- *Configure the handsets starting from N = 1*
- *Configure and insert the Jumpers with the system SWITCHED OFF. Also every time the configuration is modified the power supply to the system must be switched off and on again, waiting about 1 minute.*
- *The intercom function is operating even with a lack of entrance panel connection.*
- *We recommend that the video handsets are configured using the software supplied with the product.*

A *Use of the actuator is necessary for the staircase light service or generic actuations.*

B *For the Entrance Panel, all the pushbutton panels of the 2 wire range can be used*

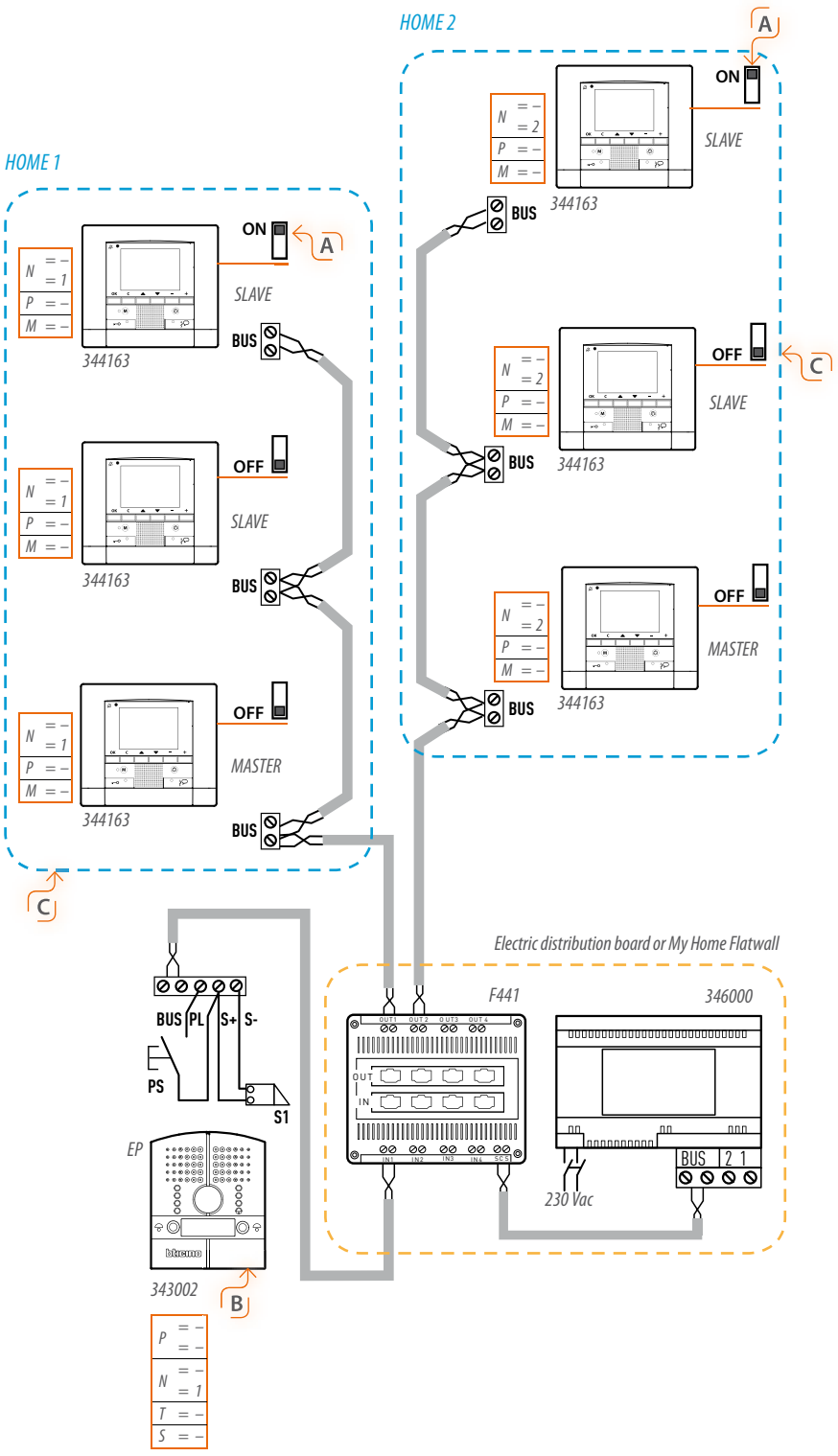
C *Move the micro switch of the last video or audio handset at the end of the line to the ON position*

D *Fit a "9" configurator to be inserted in S on the speaker module for the general call; do not insert any configurator in N.*

E *The audio video answering machine can only be used on 1 video handset (the one configured with N=1)*

ITEM	DESCRIPTION
343001	Linea 2000 Metal EP
344163	Polyx Memory Display video handset
346200	Staircase light actuator (optional)
346000	Power supply
F441	Audio/video node
L	Staircase light
EP	Entrance panel
PS	Door lock release pushbutton (optional)
S1	Electric door lock 18V 4A impulsive 250mA holding current

Two-family systems with 1 EP, 3 handsets per home and intercom between apartments



WARNING

- *Configure and insert the Jumpers with the system SWITCHED OFF. Also every time the configuration is modified the power supply to the system must be switched off and on again, waiting about 1 minute.*
- *It is possible to install a maximum of 3 video handsets for apartment.*
- *We recommend that the video handsets are configured using the software supplied with the product*
- *Configure Master and Slave devices using the software When a call is received, the MASTER rings and switches on, while the SLAVE will only ring. If the call is answered from a SLAVE unit, the master unit switches off again, while the monitor of the SLAVE from where the call is answered comes on."*

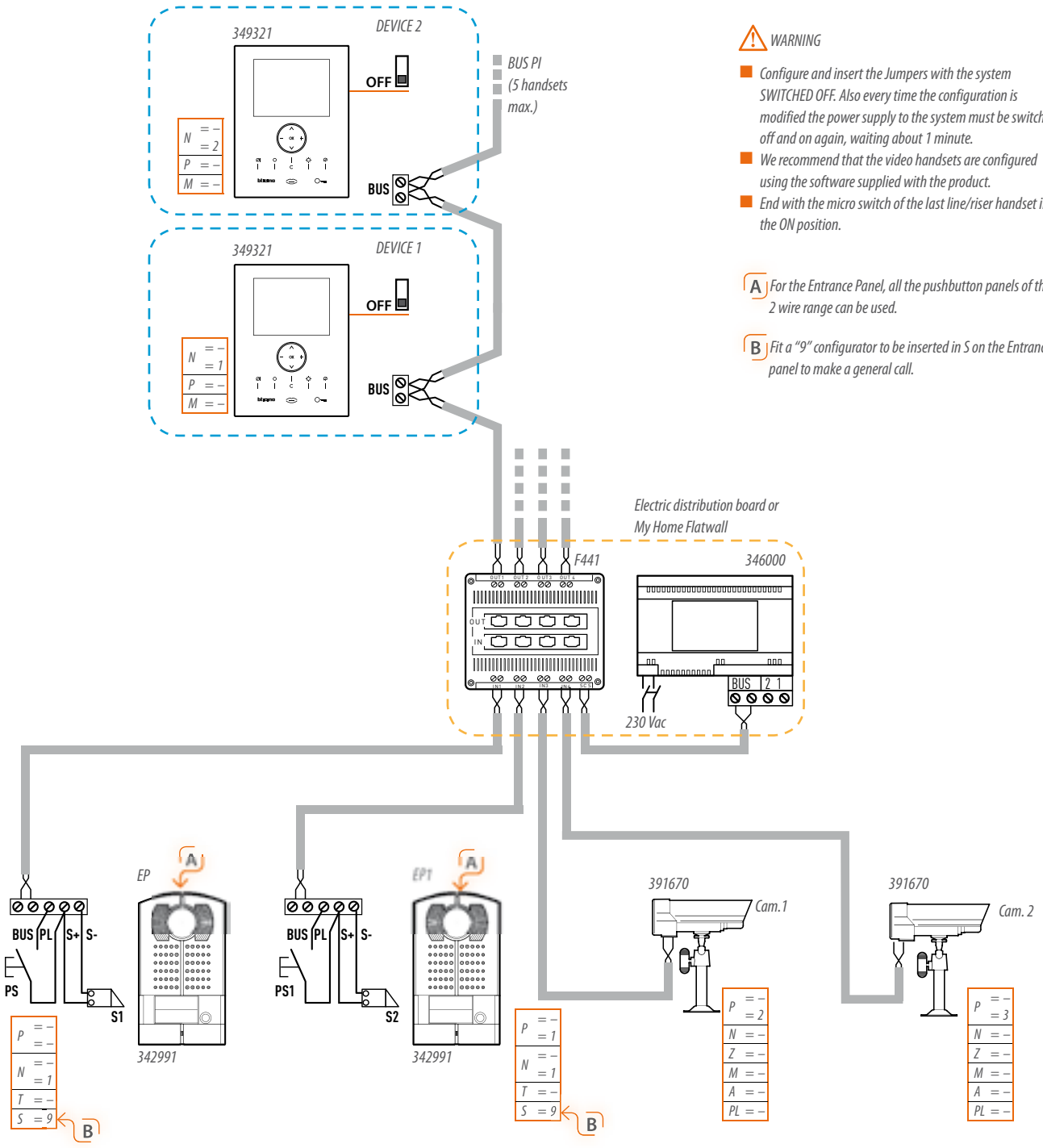
A *Move the micro switch at the back of the last video or audio handset at the end of the line to the ON position*

B *For the Entrance Panel, all the pushbutton panels of the 2 wire range can be used.*

C *The audio video answering machine can only be used on 1 video handset (the MASTER video handset)*

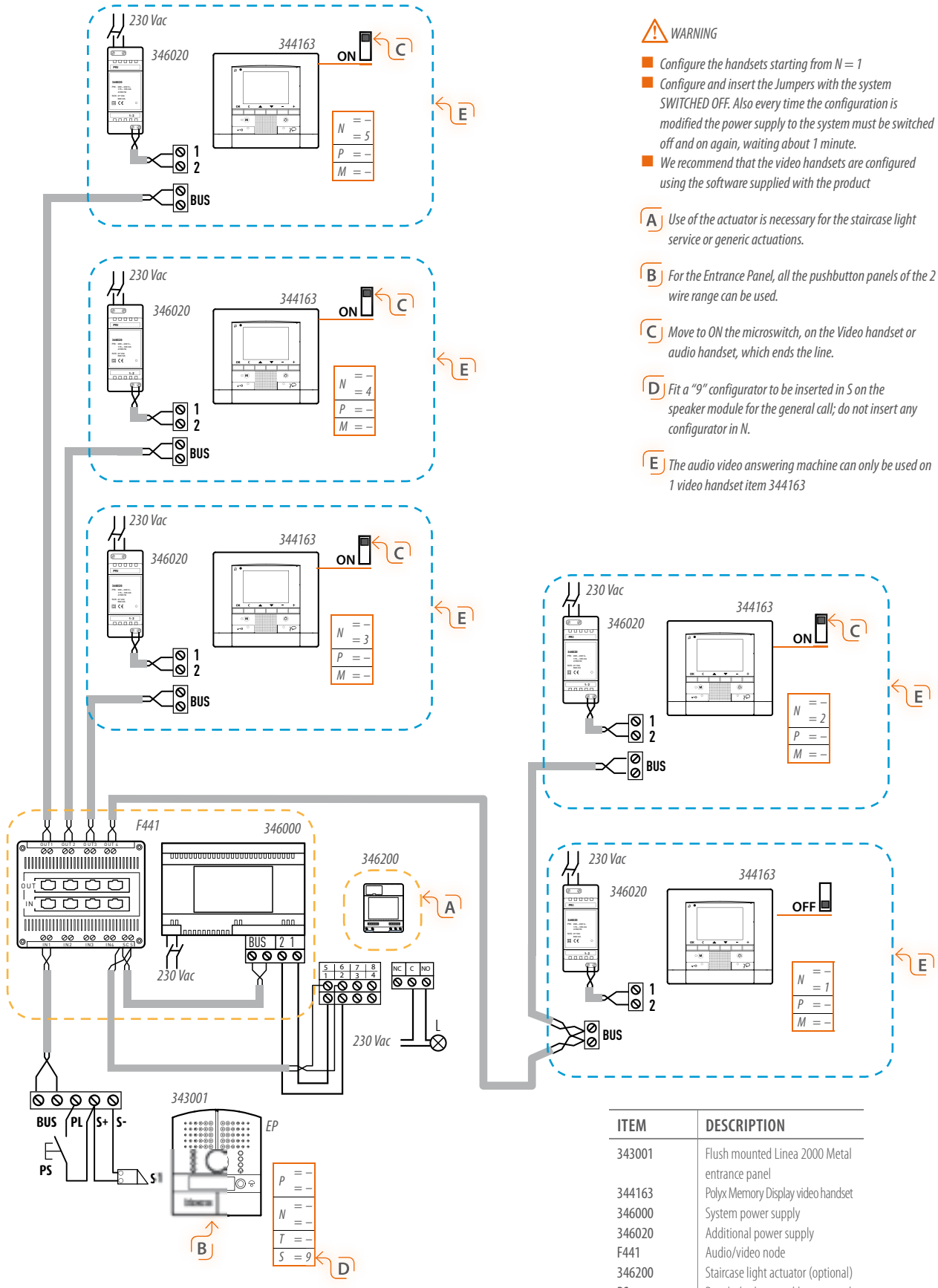
ITEM	DESCRIPTION
343002	Two-family Linea 2000 Metal entrance panel
344163	Polyx Memory Display video handset
346000	Power supply
F441	Audio/video node
EP	Entrance panel (main)
PS	Door lock release pushbutton (optional)
S1	Electric door lock 18V 4A impulsive 250mA holding current

One-family system with 2 EP and 2 outdoor cameras



ITEM	DESCRIPTION
342991	Linea 2000 Metal entrance panel
349321	Whice Axolute Video Station
391670	2 wire outdoor camera
346000	Power supply
F441	Audio/video node
PE-PE1	Entrance panel
PS-PS1	Door lock release pushbutton (optional)
S1-S2	Electric door lock 18V 4A impulsive 250mA holding current
Cam.1-Cam.2	2 wire outdoor camera

One-family system with 5 video handsets in simultaneous switching on



WARNING

- Configure the handsets starting from N = 1
- Configure and insert the Jumpers with the system SWITCHED OFF. Also every time the configuration is modified the power supply to the system must be switched off and on again, waiting about 1 minute.
- We recommend that the video handsets are configured using the software supplied with the product

A Use of the actuator is necessary for the staircase light service or generic actuations.

B For the Entrance Panel, all the pushbutton panels of the 2 wire range can be used.

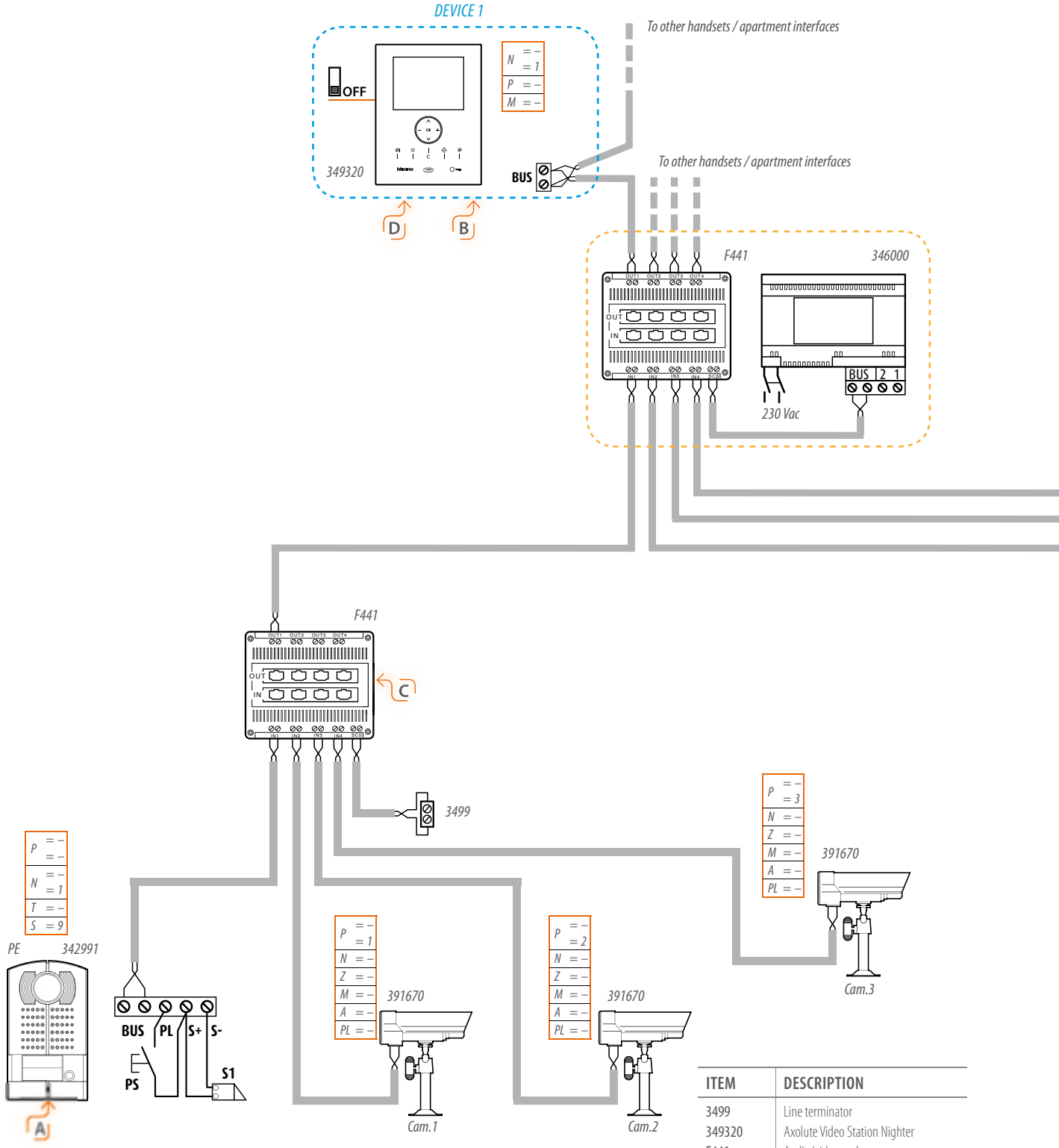
C Move to ON the microswitch, on the Video handset or audio handset, which ends the line.

D Fit a "9" configurator to be inserted in S on the speaker module for the general call; do not insert any configurator in N.

E The audio video answering machine can only be used on 1 video handset item 344163

ITEM	DESCRIPTION
343001	Flush mounted Linea 2000 Metal entrance panel
344163	Polyx Memory Display video handset
346000	System power supply
346020	Additional power supply
F441	Audio/video node
346200	Staircase light actuator (optional)
PS	Door lock release pushbutton panel
S1	Electrical door lock

One-family system with max. 16 cameras or entrance panels



ITEM	DESCRIPTION
3499	Line terminator
349320	Axolute Video Station Nighter
F441	Audio/video node
346000	Power supply
342991	Linea 2000 Metal EP
391670	2 wire outdoor camera
EP	Entrance panel
PS	Door lock release pushbutton (optional)
S1	Electrical door lock
Cam1-Cam3	Outdoor camera
Cam4-Cam7	Indoor camera

WARNING

When the nodes are used in cascade, the distances of the various lines are halved.

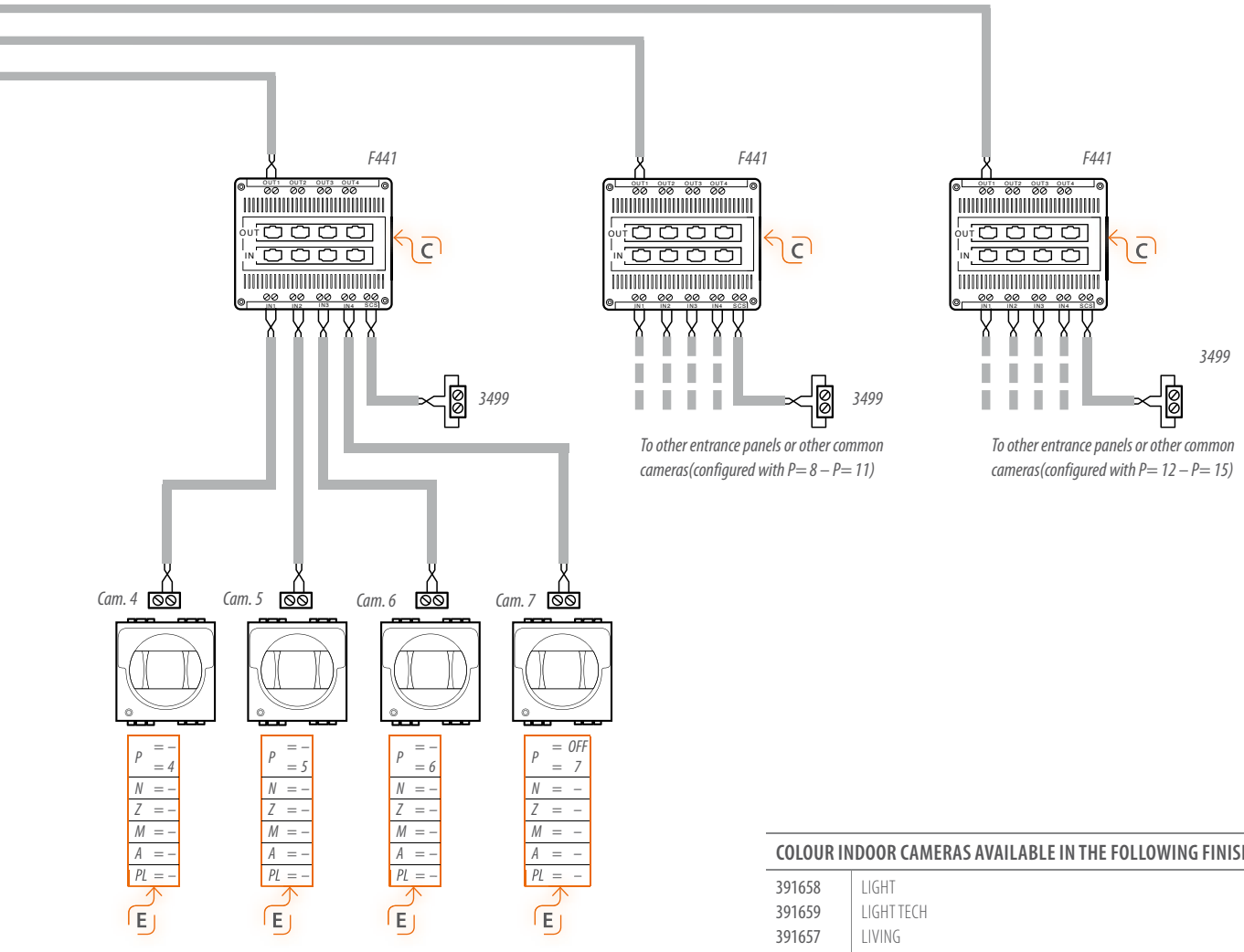
A *For the Entrance Panel, all the pushbutton panels of the 2 wire range can be used.*

B *All the advanced video handsets of the 2 wire range may be installed.*

C *Only use one output for each node and allow for a terminator item 3499 to be connected to the SCS clamp*

D *Configure advanced handsets using a PC and Software supplied.*

E *By entering OFF in the first seats of the P configurators, the microphone of the 2 wire cameras is excluded (this function is only possible for cameras 0 to 9. The microphone cannot be excluded on the other cameras).*



COLOUR INDOOR CAMERAS AVAILABLE IN THE FOLLOWING FINISHES:

391658	LIGHT
391659	LIGHT TECH
391657	LIVING
391663	AXOLUTE - WHITE
391661	AXOLUTE TECH
391662	AXOLUTE - ANTHRACITE