

2 WIRE DOOR ENTRY SYSTEM CATALOGUE 2011



bticino

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2 WIRE SYSTEM

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2 WIRE SYSTEM

General features

■ YOUR JOB IS EASIER

The 2-WIRE system is easy to use. Thanks to the polarity insensitive 2-wire wiring used in each part of the system, connection is simple, quick, and error-proof. There will be no more mistakes, and therefore no need to waste time in subsequent adjustments.



■ HIGH PERFORMANCES

Thanks to the 2-WIRE technology, it is possible to install with the same ease any type of systems, from those in single villas, to those for whole groups of apartment blocks. Also, thanks to the possibility of using the existing cables, it represents the ideal solution when refurbishment existing systems.

THE SYSTEM MAY INCLUDE:

3900 Apartments

3900 Apartment video entrance panels

15 Handsets per apartment

39 Risers with independent sound mode

96 Video entrance panels

Entrance panel



Farthest handset



600 metres



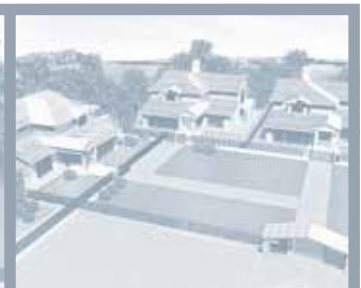
The villa



The apartment



The group of apartment blocks



The group of houses

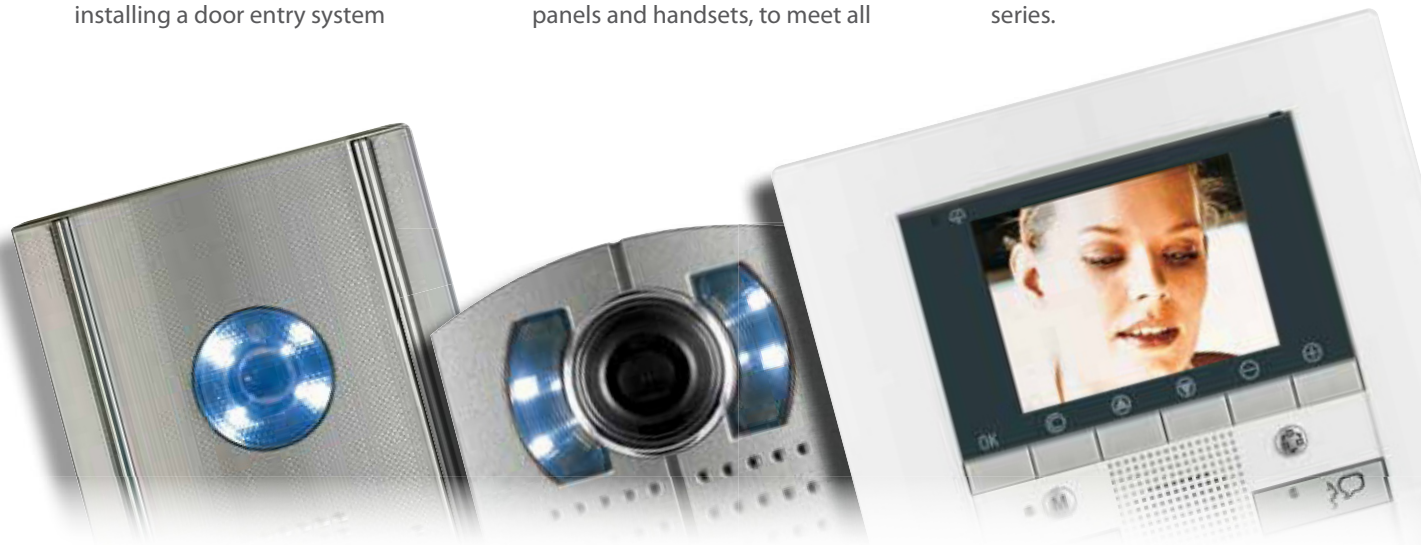
MAXIMUM VERSATILITY

The 2-WIRE system has been conceived to ensure a high level of versatility, to meet the needs of each and every customer.

The 2-WIRE technology enables installing a door entry system

already preset for future conversion into a video system, and is ideal when a mixed audio/video system is required, to meet the needs of individual residents. The system also offers a wide range of entrance panels and handsets, to meet all

the needs of the customer: from the basic door entry system functions, to the more advanced ones, to the integration with MY HOME home automation applications, or look integration with BTicino residential series.



INTEGRATION WITH IP TECHNOLOGY

IP and 2-WIRE technologies may be integrated, for the realisation of large projects. Thanks to the dedicated LAN network, IP technology offers high

system performances: long distances, multichannel operation, switchboard software and centralised alarm notification.



Switchboard software



IP to 2 WIRE interface

2 WIRE SYSTEM

Entrance panel range

VERSATILITY

SFERA MODULAR

The solution for every installation need: from the single villa, to the large residential complex.



SFERA MONOBLOC

The versatility of SFERA combined with the steel or brass monolithic front cover, for prestigious small and medium size solutions.



EXCLUSIVITY AND LUXURY

AXOLUTE OUTDOOR

The luxury and refinement of AXOLUTE, also outside the building. It's the ideal solution for large prestigious complexes.



VANDAL RESISTANT

SFERA VANDAL-RESISTANT

It's the entrance panel with a rigorous shape, emphasized by the vandal-resistant stainless steel front cover. Equipped with digital call, it's ideal for large groups of apartment blocks.



VILLA SOLUTION

LINEA 2000 METAL

Elegant and strong, enhanced by the zamak finish, it's the ideal solution for the villa.



LINEA 2000

The basic solution in a smaller size, for one-family or two-family homes.



2 WIRE SYSTEM

Handset range

TECHNOLOGY AND INTEGRATION

AXOLUTE MULTIMEDIA TOUCH SCREEN

Large 10" touch display for control and display of video door entry system and MY HOME functions.



PERFECT INTEGRATION WITH RESIDENTIAL LINES AND THE MY HOME FUNCTIONS

The video handset has been conceived as an integral part of the residential series and home control terminal. Available in two versions: VIDEO DISPLAY and VIDEO STATION.

VIDEO DISPLAY

The VIDEO DISPLAY terminal is characterised by its compact size. With handsfree technology, it's flush mounted using the same procedure used for a light point. Available in AXOLUTE versions.



VIDEO STATION

The wall mounted handsfree solution featuring a large display. Available in two versions.

VIDEO STATION Nighter & Whice feature an exclusive and elegant design, where glass is the main element.

AXOLUTE VIDEO STATION has instead been conceived for integration with the AXOLUTE residential series.



TECHNOLOGY AND COMFORT

POLYX RANGE

Handsfree range with a modern and minimalist design, well suited to every style of home: the range extends from the basic audio and video versions to the advanced version, which offers the management of video door entry system memory and of the MY HOME functions.

POLYX is the first video door entry system range designed following

the **"for all"** design criteria: **multi-sensor notifications and accurate ergonomic design are the distinguishing traits of POLYX.**



TRADITIONAL

PIVOT

The traditional range with a receiver for every installation requirement: wall mounted, flush mounted, and table-top versions.

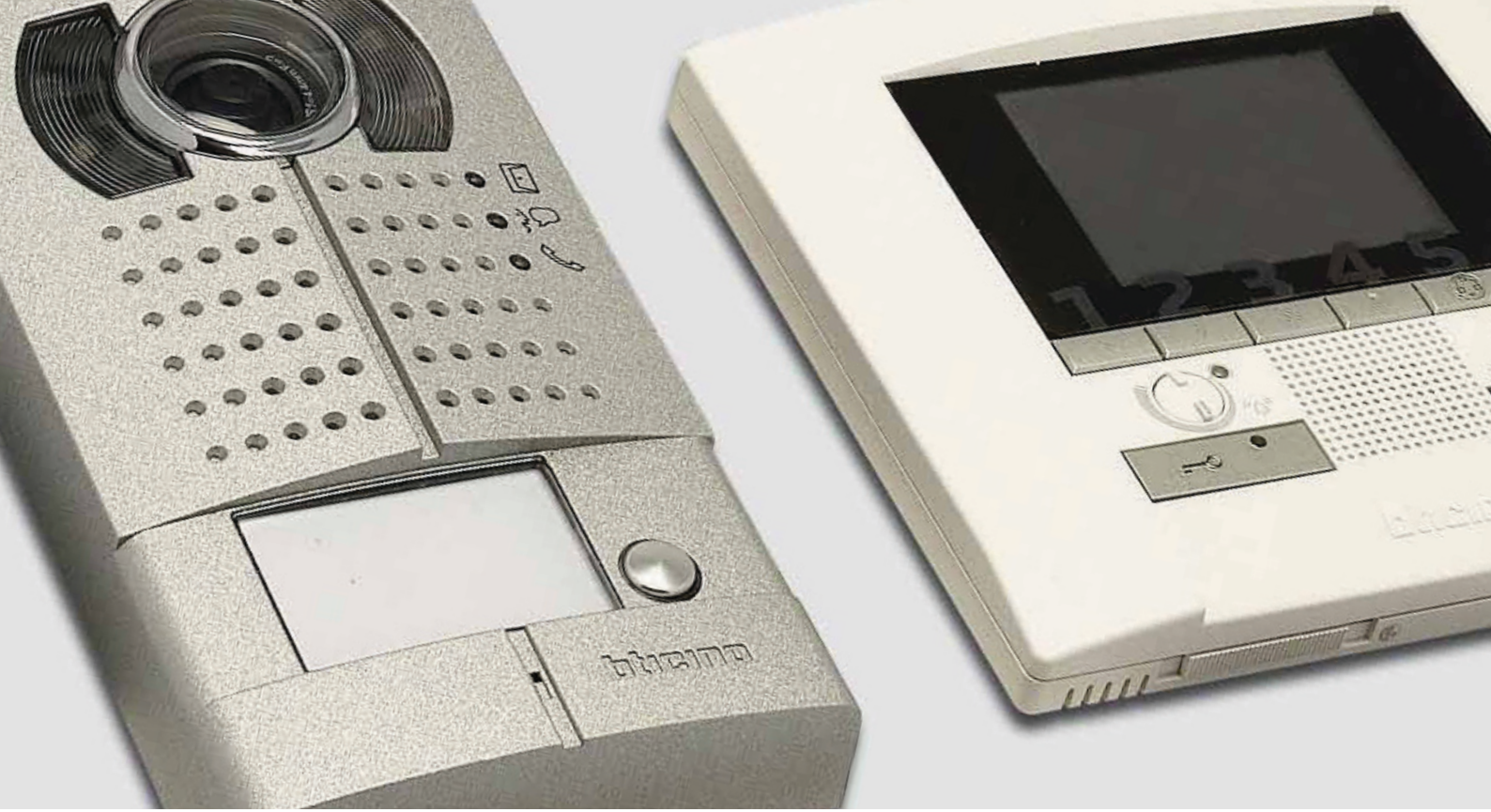
SWING

A range characterised by a classic and elegant design. The B/W basic video version has been conceived as the perfect standard specification solution.

The range is completed by the audio and colour video version.

SPRINT AUDIO

The audio receiver meeting the standard specifications.



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2 WIRE SYSTEM

AXOLUTE outdoor entrance panels

Flush mounted digital call video entrance panel available in STAINLESS STEEL finish. Protection index: IP54. Protection index against mechanical impact: IK07



349140



ELECTRONIC MODULE

Item	Description
349140	outdoor AXOLUTE electronic module. Device also suitable for use in IP systems. It's fitted with capacitive soft touch control backlit keypad, motorised colour camera (which swivelling operation can be controlled from the preset handsets), colour display with home page that can be fully customised by the installer, and transponder reader for the release of the door lock, which may also be activated using a numeric code for residents. Module to be finished with flush mounted box, item 339313, and surround plate, item 339213 (steel). TiAxoluteOutdoor and TiContacts programming software, residents' address book creation, and configuration supplied. By locally installing a permanent cable with RJ45 socket (T568B type cross connection), it is possible to update the residents address book and the configuration, without removing the pushbutton panel. The device meets the following characteristics: Protection index IP54, protection index against mechanical impact IK07



339213

SURROUND PLATE + FRAME

Item	Description
339213	3-module surround plate + frame in steel finish. Anti-tamper assembly/ disassembly safety key supplied



339313

FLUSH MOUNTED BOX WITH TEARING PROTECTION

Item	Description
339313	3 module flush mounted steel box with tearing protection. The SFERA 3 module flush mounted box, item 331130, may also be used in alternative



348200

348201

348202

348203



348204



348205



348206



348402

TRANSPONDER KEYS AND PROGRAMMER

Item	Description
348200	black transponder key
348201	red transponder key
348202	green transponder key
348203	blue transponder key
348204	orange transponder key
348205	grey transponder key
348206	yellow transponder key
348402	table-top transponder key programmer

2 WIRE SYSTEM

SFERA function modules



342170

SPEAKER MODULE

Item	Description
342170	digital speaker module with two call pushbuttons and a pushbutton to control the staircase light relay actuator. The connections to the system are made by wiring the removable clamp supplied; also the nameplates are lit up by 8 green LED. A closing card is supplied to be inserted in the last pushbutton module.



342630

DIGITAL CALL SPEAKER MODULE WITH GRAPHIC DISPLAY

Item	Description
342630	digital alphanumeric call + speaker module. Can send the call to an handset by scrolling the residents' names or codes on a display using the dedicated keys. Combines the functions of digital speaker module and alphanumeric keypad in one single device. The module can save up to 2000 residents' names and surnames associating them to the apartment SCS address. 500 names can be saved when the option of coupling a message with them is selected. If only the residents' codes are saved, the capacity extends to 5000 codes

NOTE: for the programming use a PC with TICALL software installed (can be downloaded free from the www.bticino.it site) and the interfaces item 335919 (RS-232) – item 3559 (USB), or the infrared remote control item 392123



342640

ADDITIONAL ALPHANUMERIC KEYPAD MODULE

Item	Description
342640	extra alphanumeric keypad to be used together with module Item 342630. It can call the resident directly (by typing the programmed code) and access the door lock release function (by typing the secret code). It is supplied with multi-cable and connector for connection to the speaker module



342200

NAMEPLATE MODULE

Item	Description
342200	digital nameplate module which can be used to enter the street number or any other information. Can be used to enter a caption in entrance panels with numeric call module item 342610



342240

PUSHBUTTON MODULE

Item	Description
342240	digital pushbutton module with 4 call pushbuttons. The connections to the system are made using the multi-cable supplied; also the nameplates are illuminated by 12 green LED

WARNING: assembly note: flush mounted boxes, wall mounted enclosures, rainshield, front cover, and surround plates are the same as for 2-WIRE SFERA entrance panels (refer to the specific section in the catalogue)

2 WIRE SYSTEM

SFERA function modules



342610

NUMERIC DIGITAL CALL MODULE

Item	Description
342610	the numeric call module can make calls from the entrance panel to handsets by just keying in the number corresponding to the handset required. In practice it works like making a telephone call on a normal telephone. The correspondence between the numbers and the user names is found from a phone book by the side of the module and made up of nameplate modules Item 342200. From one to four numbers may be keyed in to make the call, as programmed by the installer. The module can also activate the electric door lock by means of a secret code number. The module is supplied with a multicable for the connection to the speaker module



342600

ALPHANUMERIC DIGITAL CALL MODULE

Item	Description
342600	module which can send the call choosing the name of the audio handset in a list which is shown on a display. It can also release the door locks by typing a code. The module is supplied with a multicable for the connection to the phone module



332650

CODE-LOCK MODULE

Item	Description
332650	code-lock module that can be used both in analogue and digital systems. This module opens and closes two relays by keying in two code numbers



342510



342550

SWIVEL B/W CAMERA MODULE

Item	Description
342510	camera module with IR lighting for night views. The lens viewing angle can be adjusted horizontally and vertically by $\pm 20^\circ$ in the installation phase

SWIVEL COLOUR CAMERA MODULE

Item	Description
342550	camera module with lighting with white LED for night views. The lens viewing angle can be adjusted horizontally ($\pm 20^\circ$) and vertically ($\pm 15^\circ$) during installation



346220

ACCESSORY FOR CAMERA MODULES

Item	Description
346220	accessory which can be installed in the camera module when there are several video entrance panels in series

2 WIRE SYSTEM

SFERA vandal-resistant front covers



333714



342630

AUDIO PUSHBUTTON PANEL

Item	Description
333714	pushbutton panel consisting of galvanized sheet metal flush mounted box, module holder, and front cover in 316L stainless steel with bright finish. It must be fitted with digital call speaker module with graphic display, item 342630 . The display screen is made of scratch-resistant polycarbonate glass (5 mm thick) The three pushbuttons (diam. 16 mm) are made of 316L stainless steel



333914



342510 b/w
342550 colour



342630

VIDEO PUSHBUTTON PANEL

Item	Description
333914	pushbutton panel consisting of galvanized sheet metal flush mounted box, module holder, and front cover in 316L stainless steel with bright finish. It must be fitted with digital call speaker module with graphic display + camera module, (items 342630 + 342510/342550). The display screen is made of scratch-resistant polycarbonate glass (5 mm thick) The three pushbuttons (diam. 16 mm) are made of 316L stainless steel



333915



342510 b/w
342550 colour



342630



included with 333915

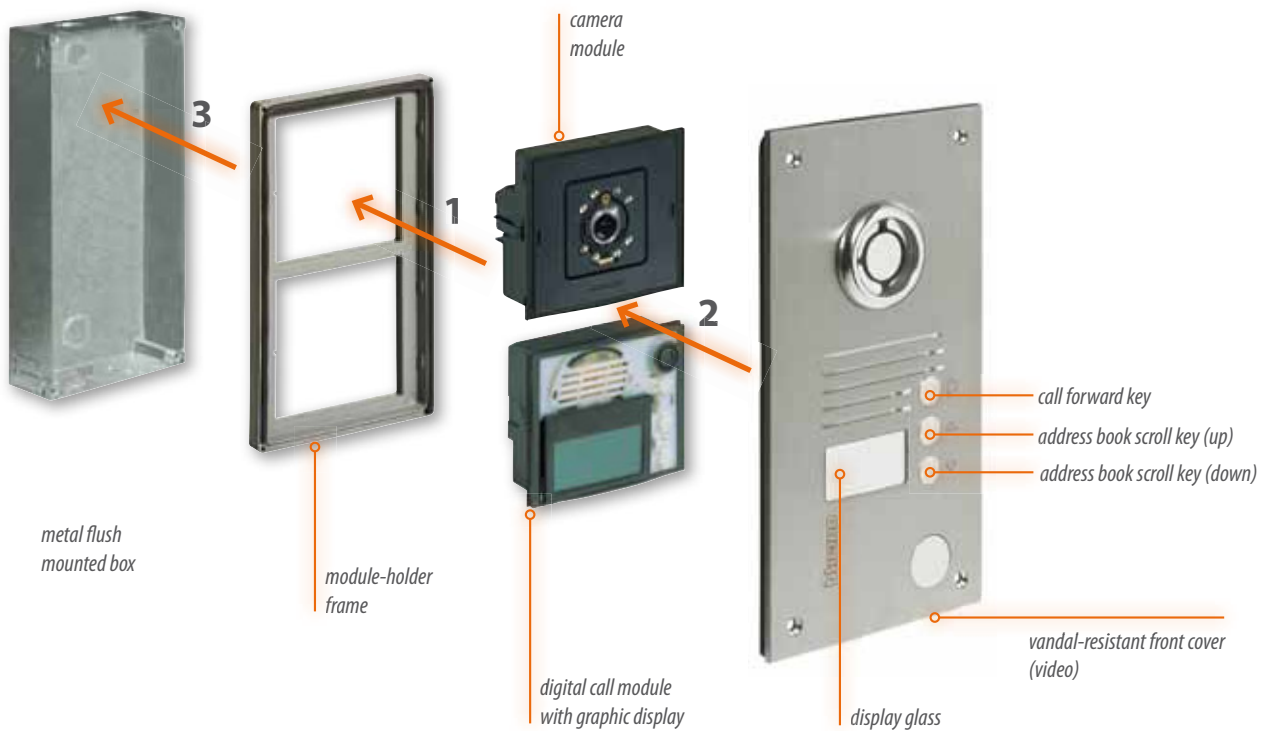
VIDEO PUSHBUTTON PANEL

Item	Description
333915	pushbutton panel consisting of galvanized sheet metal flush mounted box, module holder, and front cover in 316L stainless steel with bright finish. It must be fitted with digital call speaker module with graphic display + camera module, (items 342630 + 342510/342550). The display screen is made of scratch-resistant polycarbonate glass (5 mm thick) The three pushbuttons (diam. 16 mm) are made of 316L stainless steel. Includes an additional alpha-numeric keypad.

2 WIRE SYSTEM

SFERA vandal-resistant front covers

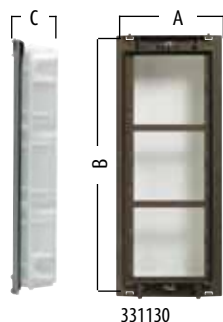
EXAMPLE OF VIDEO MODULARITY - SFERA VANDAL-RESISTANT



2 WIRE SYSTEM

SFERA modular entrance panels - mechanics and function modules

Digital call or pushbutton audio and video entrance panels, for flush mounted or wall mounted installation, available in zamak monobloc and modular version. Guaranteed protection from rain and water sprays



331130

FLUSH MOUNTED BOX + FRAME

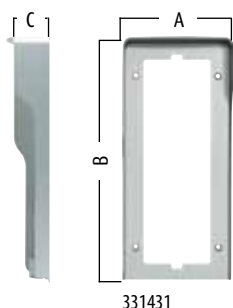
Item	Modules	Dimensions (mm)		
		A	B	C
331110	1	117	123	45
331120	2	117	214	45
331130	3	117	306	45



331331

WALL MOUNTED ENCLOSURE WITH RAINSHIELD

Item	Modules	No. of columns	Dimensions (mm)		
			A	B	C
331311	1	1	155	160	92
331321	2	1	155	255	92
331331	3	1	155	360	92
331341	4	2	290	255	92
331361	6	2	290	360	92
331391	9	3	430	360	92



331431

RAINSHIELD (OPTIONAL)

Item	Modules	No. of columns	Dimensions (mm)		
			A	B	C
331411	1	1	151	151	50
331421	2	1	151	242	50
331431	3	1	151	334	50
331441	4	2	290	242	50
331461	6	2	290	334	50
331491	9	3	430	334	50



342170
speaker module + 2 keys
for audio/video systems



342350
speaker module + 4 keys
for audio/video systems



342560
speaker module + 2 keys
with colour camera for
A/V system



342630
speaker module with
graphic display for
A/V systems



342600
alphanumeric call
module



342240
4 key module
342480
8 key module



342510
B/W camera module
342550
colour camera module



342640
additional alphanumeric
keypad module for speaker
module 342630



342610
numeric keypad module
for direct call



332650
code lock module
(it controls 2 relays with
numeric code)



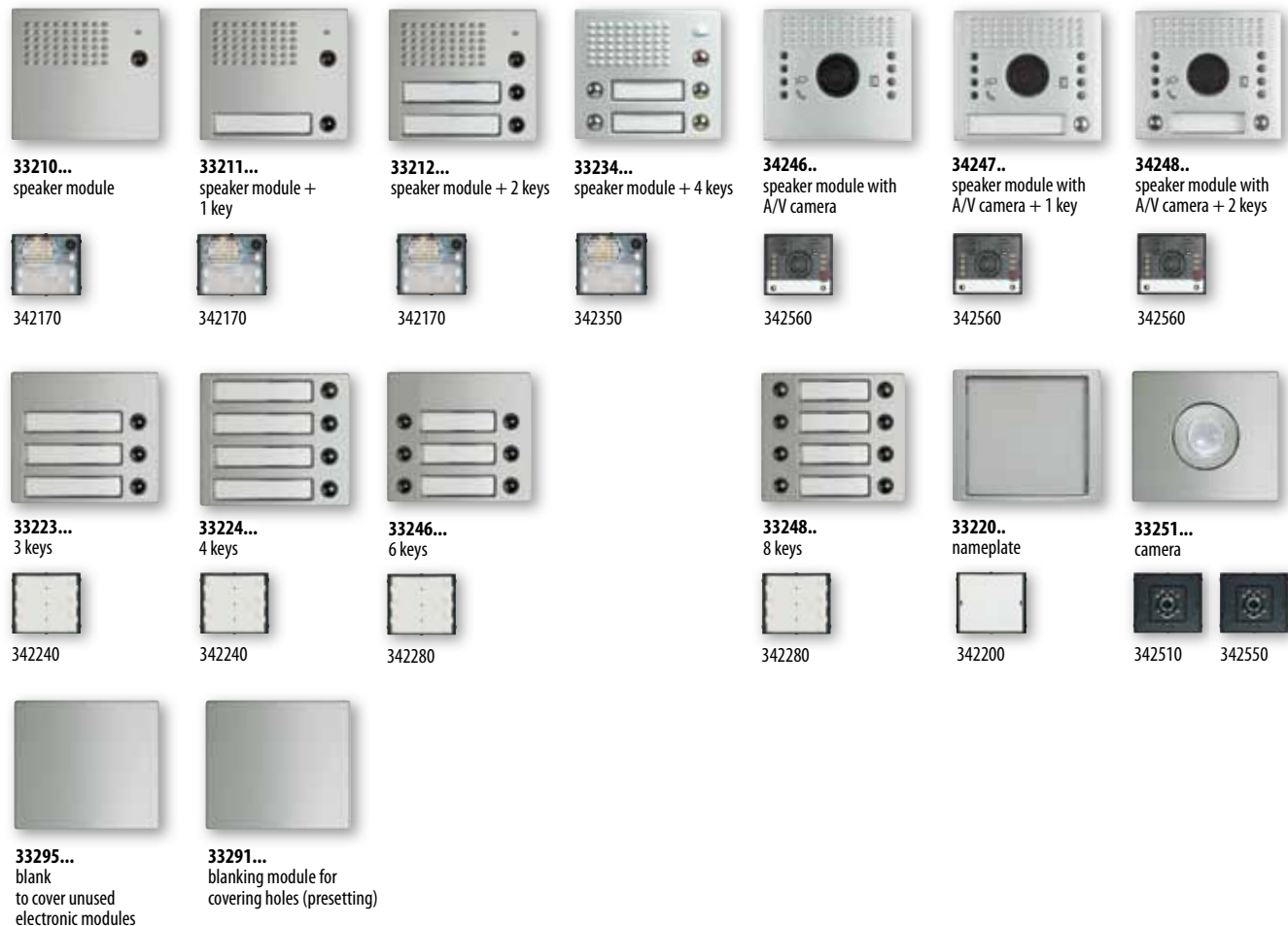
342200
nameplate module

2 WIRE SYSTEM

SFERA entrance panels - Modular front covers and surround plates - pushbutton call

Modular surround plates and audio and video front covers, available in ALLMETAL, WHITE and ALUGRAY finish

PUSHBUTTON CALL



AVAILABLE FINISHES



Replace the dots in the code with the corresponding finish number

MODULAR SURROUND PLATES



Code lock



33265..
alphanumeric call



332650

To open the entrance door
by entering previously saved
numeric codes.

2 WIRE SYSTEM

SFERA entrance panels - digital call

In case of high number of apartments (normally more than 20-30 apartments) the traditional entrance panel may pose space problems.

In this case, it will be possible to replace the traditional pushbutton call system with a digital call system operating in two different ways:

- with a **direct code**: the apartment is called by simply entering the number of the desired resident on a numeric keypad.
- using an **address book**: the visitor calls the apartment by selecting the resident's name from an address book displayed, as for mobile phones

The SFERA modular range is equipped with modules allowing one or both types of digital calls.

SPEAKER MODULE WITH GRAPHIC DISPLAY - 342630

(Optional)



33251...
camera



342510



342550

+



33266...
speaker module with graphic display



342630

It can be used to make the call by selecting the resident's name **from the address book**.

SPEAKER MODULE WITH GRAPHIC DISPLAY AND ADDITIONAL KEYPAD 342630 + 342640

(Optional)



33251...
camera



342510



342550

+



33266...
speaker module with graphic display

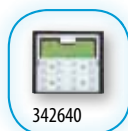


342630

+



33267..
additional alphanumeric call



342640

The direct code call function is possible by combining the speaker module item 342630 with the additional alphanumeric keypad, item 342640.

It is recommended that the module is installed side by side with one or more nameplate modules (342200+33220.) to obtain the correspondence between the numbers and the names of the residents.

2 WIRE SYSTEM

SFERA entrance panels - Modular front covers and surround plates - digital call

ALPHANUMERIC CALL MODULE - 342600

(Optional)



33251...
camera

+



33210...
speaker module

+



33260..
alphanumeric call

It can be used to call from the address book, using a direct code. It enables the user to release the door lock (entrance) using a code. It is recommended that the module is installed side by side with one or more nameplate modules (342200+3322..) to obtain the correspondence between the numbers and the names of the residents.



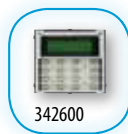
342510



342550



342170



342600

NUMERIC CALL MODULE - 342610

(Optional)



33251...
camera

+



33210...
speaker module

+



33265..
numeric call

It can be used to call by using a direct code. It enables the user to release the door lock (entrance) using a code.



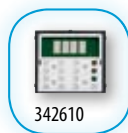
342510



342550



342170



342610

2 WIRE SYSTEM

SFERA monobloc front covers - pushbutton call

Monobloc zamak audio and video front covers available in ALLSTEEL

ALPHANUMERIC CALL



342170

333124
2 keys speaker module
or speaker module with
grafic display



342170

333114
1 key speaker module



332650

333614
code lock



342170

342240

333144
speaker module +
4 keys



342170

342240

333164
speaker module +
6 keys



342240

342240

333284
8 keys



342510

342550

342170

333814
speaker module +
camera + 1 key



342510

342550

342170

333824
speaker module +
camera + 2 keys



342170

342240

342240

333104
speaker module+10 keys

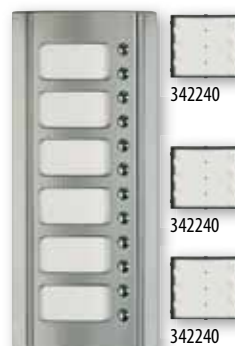


342170

342240

342240

333184
speaker module+ 8 keys



342240

342240

342240

333204
12 keys



342510

342550

342170

342240

333844
speaker module+ camera +
4 keys



342510

342550

342170

342240

333864
speaker module+ camera +
6 keys

Code lock



333614



332650

To open the entrance door by entering
previously saved numeric codes.

2 WIRE SYSTEM

SFERA entrance panels - Monobloc front covers - digital call

In case of high number of apartments (normally more than 20-30 apartments) the traditional entrance panel may pose space problems.

Also SFERA monobloc can be used to make digital calls, in alternative to the traditional pushbutton calls.

SPEAKER MODULE WITH GRAFIC DISPLAY - 342630



333824
speaker module+ camera+2 keys



333124

Using the speaker module with display, it is possible to make calls by selecting the name of the desired resident from the address book displayed.

ALPHANUMERIC CALL MODULE - 342600



333934
fonico + camera +
alphanumeric keypad



333724
speaker module +
numeric / alphanumeric call

It enables making the call by selecting the desired resident from an address book that can be displayed on the display, and/or by entering the direct code. It enables the user to release the door lock (entrance) using a code.

2 WIRE SYSTEM

LINEA 2000 METAL entrance panels

Audio and video entrance panels for one-family and two family systems for wall mounted, gate post, or flush mounted installation. Protection index against mechanical impact: IK10 (audio EP) – IK07 (video EP)



342971



342972

WALL MOUNTED AUDIO ENTRANCE PANELS

Item	Description
342971	2-WIRE audio pushbutton panel with one call pushbutton for wall mounted installation. Zamak front cover. Nameplate lit by blue LED. Protection index against mechanical impact: IK10
342972	same as item 342971, but with 2 call pushbuttons



342981 b/w
342991 colour



342982 b/w
342992 colour

WALL MOUNTED VIDEO ENTRANCE PANELS

Item	Description
342981	2-WIRE video pushbutton panel with black and white camera and one call pushbutton. With white LEDs for illumination of the viewing field in low light conditions. Communication status audible - light signals for: call active, system busy, door lock release. Wall mounted installation. Zamak front cover. Nameplate lit by blue LED. Protection index against mechanical impact: IK07
342982	same as item 342981, but with 2 call pushbuttons
342991	2-WIRE video pushbutton panel with colour camera and one call pushbutton. With white LEDs for illumination of the viewing field in low light conditions. Communication status audible - light signals for: call active, system busy, door lock release. Wall mounted installation. Zamak front cover. Nameplate lit by blue LED. Protection index against mechanical impact: IK07
342992	same as item 342991, but with 2 call pushbuttons

2 WIRE SYSTEM

LINEA 2000 entrance panels

Audio and video entrance panels for one-family and two family systems for wall mounted or gate post installation.



342911



342921

LINEA 2000 AUDIO ENTRANCE PANELS

Item	Description
342911	2-WIRE audio pushbutton panel with one call pushbutton for wall mounted installation. Aluminium front cover. Nameplate lit by green LED
342921	same as item 342911, but with 2 call pushbuttons



342951 b/w



342961 b/w

LINEA 2000 VIDEO ENTRANCE PANELS

Item	Description
342951	2-WIRE video pushbutton panel with black and white camera and one call pushbutton. Wall mounted installation. Aluminium front cover. Nameplate lit by green LED
342961	same as item 342951, but with 2 call pushbuttons

2 WIRE ENTRANCE PANELS - AUDIO SFERA MODULAR

Composition table with speaker module 342170 or 342150

BOX + FRAME				SURROUND PLATES			SPEAKER MODULE	PUSHBUTTON MODULE	MODULAR FRONT COVERS					
														
No. of calls	331110	331120	331130	33121.	33122.	33123.	342170 (p. supp. 346000)	342240	33210.	33211.	33212.	33223.	33224.	33291.
1	1			1			1			1				
2	1			1			1				1			
3		1			1		1	1	1			1		
4		1			1		1	1	1				1	
5		1			1		1	1		1			1	
6		1			1		1	1			1		1	
7			1			1	1	2	1			1	1	
8			1			1	1	2	1				2	
9			1			1	1	2		1			2	
10			1			1	1	2			1		2	
11		2*			2		1	3	1			1	2	
12		2*			2		1	3	1				2	
13		2*			2		1	3	1	1			2	
14		2*			2		1	3	1		1		2	
15			2*			2	1	4	1			1	3	1
16			2*			2	1	4	1				4	1

* Allow for item 346902 for the connection of the modules in different frames.

KEYPAD COLOUR RANGE

Replace the dots in the code with the number corresponding to the desired colour



1. All metal 2. White 3. Alugray



WARNING

- Add to the system composition any configurators needed
- For pushbutton panels with more than 26 calls see the "2-WIRE TECHNICAL GUIDE"

2 WIRE ENTRANCE PANELS - VIDEO SFERA MODULAR

Composition table with speaker module 342170 and camera module 342550 colour or 342510 B/W

BOX + FRAME			SURROUND PLATES		VIDEO MODULE	SPEAKER MODULE	KEYPAD MODULE	MODULAR FRONT COVERS						
No. of calls	331120	331130	33122.	33123.	342550 (color) 342510 (b/n)	342170	342240	33251.	33210.	33211.	33212.	33223.	33224.	33291.
1	1		1		1	1		1						
2	1		1		1	1		1			1			
3		1		1	1	1	1	1	1			1		
4		1		1	1	1	1	1	1				1	
5		1		1	1	1	1	1		1			1	
6		1		1	1	1	1	1			1		1	
7	2*		2		1	1	2	1	1			1	1	
8	2*		2		1	1	2	1	1				2	
9	2*		2		1	1	2	1		1			2	
10	2*		2		1	1	2	1			1		2	
11		2*		2	1	1	3	1	1			1	2	1
12		2*		2	1	1	3	1	1				3	1
13		2*		2	1	1	3	1		1			3	1
14		2*		2	1	1	3	1			1		3	1
15		2*		3	1	1	4	1	1			1	3	
16		2*		3	1	1	4	1	1				4	

* Allow for item 346902 for the connection of the modules in different frames.

KEYPAD COLOUR RANGE

Replace the dots in the code with the number corresponding to the desired colour



1. Allmetal 2. White 3. Alugray



WARNING

- Add to the system composition any configurators needed
- For pushbutton panels with more than 26 calls see the "2-WIRE TECHNICAL GUIDE"

2 WIRE ENTRANCE PANELS - VIDEO SFERA MODULAR

Composition table with audio/video module 342560

No. of calls	BOX + FRAME			SURROUND PLATES			AUDIO/ VIDEO MODULE	KEYS MODULE		MODULAR FRONT COVERS						
	331110	331120	331130	33121.	33122.	33123.		342560	342240	342480	34246.	34247.	34248.	33223.	33224.	33246.
1	1			1			1				1					
2	1			1			1					1				
3		1			1		1	1					1			
4		1			1		1	1						1		
5		1			1		1	1			1			1		
6		1			1		1		1						1	
7		1			1		1		1							1
8		1			1		1		1							1
9		1			1		1		1			1				1
10		1			1		1		1			1				1
11			1			1	1		2						1	1
12		1	1			1	1		2						1	1
13			1			1	1		2						1	1
14			1			1	1		2						1	1
15		1	1			1	1		2							2
16			1			1	1		2							2
17			1			1	1		2			1				2
18			1			1	1		2			1				2
19		2			2		1		3						1	2
20		2			2		1		3						1	2
21		2			2		1		3						1	2
22		2			2		1		3						1	2
23		2			2		1		3							3
24		2			2		1		3							3
25		2			2		1		3			1				3
26		2			2		1		3			1				3



WARNING
 Add to the system composition any configurators needed
 For pushbutton panels with more than 26 calls see the "2-WIRE TECHNICAL GUIDE"

KEYPAD COLOUR RANGE

Replace the dots in the code with the number corresponding to the desired colour



1. Allmetal



2. White



3. Alugray

2 WIRE ENTRANCE PANELS - AUDIO SFERA MONOBLOC

Composition table with speaker module 342170 or 342150

BOX + FRAME			SPEAKER MODULE		PUSHBUTTON MODULE		MONOBLOC FRONT COVERS						
													
No. of calls	331110	331120	331130	342170 (supply 346000)	342240	333114	333124	333144	333164	333184	333104	333284	333204
1	1			1		1							
2	1			1			1						
3		1		1	1			1					
4		1		1	1			1					
5		1		1	1				1				
6		1		1	1				1				
7			1	1	2					1			
8			1	1	2					1			
9			1	1	2						1		
10			1	1	2						1		
11		2*		1	3			1				1	
12		2*		1	3			1				1	
13		2*		1	3				1			1	
14		2*		1	3				1			1	
15			2*	1	5					1			1
16			2*	1	5					1			1

* Allow for item 346902 for the connection of the modules in different frames.



WARNING

- Add to the system composition any configurators needed
- For pushbutton panels with more than 26 calls see the "2-WIRE TECHNICAL GUIDE"

2 WIRE ENTRANCE PANELS - VIDEO SFERA MONOBLOC

Composition table with speaker module 342170 and camera module 342550 colour or 342510 B/W

BOX + FRAME		CAMERA MODULE	SPEAKER MODULE	PUSHBUTTON MODULE	MONOBLOC FRONT COVERS					
										
No. of calls		342550 (colour) 342510 (b/w)	342170	342240	333814	333824	333844	333864	333284	333204
1	1	1	1		1					
2	1	1	1			1				
3	1	1	1	1			1			
4	1	1	1	1			1			
5	1	1	1	1				1		
6	1	1	1	1				1		
7	2*	1	1	2	1				1	
8	2*	1	1	2	1				1	
9	2*	1	1	2	1				1	
10	2*	1	1	2		1			1	
11	2*	1	1	4			1			1
12	2*	1	1	4			1			1
13	2*	1	1	4			1			1
14	2*	1	1	4			1			1
15	2*	1	1	4			1			1
16	2*	1	1	4			1			1

* Allow for item 346902 for the connection of the modules in different frames.



WARNING

Add to the system composition any configurators needed

For pushbutton panels with more than 26 calls see the "2-WIRE TECHNICAL GUIDE"

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2 WIRE SYSTEM

AXOLUTE Multimedia Touch Screen handset

NEW


HD4690



HC4690



HS4690

SURROUND PLATE RANGE



HA4690VBB



HA4690VSW



HA4690XC



HA4690VNB



HA4690LTK

MULTIMEDIA TOUCH SCREEN

Item	Description
HD4690	advanced touch screen handset with 10" 16/9 LCD display for wall mounted installation. Axolute white finish. In addition to the video door entry system and video monitoring systems functions, it also becomes - when integrated with a MY HOME home automation system - the actual control terminal for the whole house. Thanks to the OSD icon menu, customisable using the PC, it is possible to control and monitor all the MY HOME home automation functions. It gives the possibility of displaying videos and photos through the USB ports and SD CARD included. When connected to a LAN network, it provides access to RSS services. To be completed with the appropriate surround plate
HC4690	same as item HD4690 - Tech AXOLUTE
HS4690	same as item HD4690 - Anthracite AXOLUTE

SURROUND PLATES FOR MULTIMEDIA TOUCH SCREEN

Item	Description
HA4690XC	surround plate in satin-finished aluminium
HA4690VBB	white surround plate
HA4690LTK	Teak surround plate
HA4690VNB	Nighter surround plate
HA4690VSW	Whice surround plate

Multimedia Touch Screen assembly



Multimedia Touch Screen



Surround plate



Finishing surround plate supplied with Touch Screen

2 WIRE SYSTEM

AXOLUTE VIDEO STATION handsets

NEW



349320



349321

NIGHTER AND WHICE AXOLUTE VIDEO STATION

Item	Description
349320	2-WIRE handsfree video handset for wall mounted installation in Nighter finish. With 8" colour LCD display, backlit capacitive keypad with soft touch controls and PC customisable OSD navigation icon menu for the management of the following MY HOME applications: video door entry system, temperature control, sound system, automation (scenarios) and anti-intrusion and multimedia. In systems integrated with the sound system, the VIDEO STATION behaves as an amplifier, enabling playback of all audio/video sources connected to the system. Keys available: navigation, auto-switch on, door lock release, staircase lights, mute, handsfree/pager connection, and call exclusion. LED signalling for: call exclusion, door status, and connection. Firmware update/programming USB port. It can be integrated with MY HOME, also in combination with the Multimedia interface, item 3465 - (in this case, allow for a local video door entry system power supply). Suitable for wall mounted installation using the special bracket (supplied as standard). It can be configured using physical configurators or the TiNighterandWhiceStation programming and configuration software (supplied as standard)
349321	same as item 349320 - white



349310

VIDEO STATION

Item	Description
349310	2-WIRE handsfree video handset for wall mounted installation. With 5.6" colour LCD display with PC customisable OSD navigation icon menu for the management of the following MY HOME applications: video door entry system, temperature control, sound system, automation (scenarios) and anti-intrusion. In systems integrated with the sound system, the VIDEO STATION behaves as an amplifier, enabling playback of all audio/video sources connected to the system. Keys included: navigation, auto-switch on, door lock release, mute function, handsfree/pager connection, and call exclusion. LED signalling for: call exclusion, door status, and connection. Firmware update/programming USB port. Suitable for wall mounted installation using the special bracket (supplied as standard). It can be configured using physical configurators or the TiAxoluteStation programming and configuration software (supplied as standard). To be completed with surround plate
349210	surround plate in satin-finished aluminium
349211	Kristall glass surround plate
349212	Teak surround plate



349210



349211



349212

2 WIRE SYSTEM

AXOLUTE VIDEO DISPLAY handsets



349311



349312

VIDEO DISPLAY

Item	Description
349311	2-WIRE handsfree video handset for flush mounted installation - white Axolute. With 2.5" colour LCD display with PC customisable OSD navigation icon menu for the management of the following MY HOME applications: video door entry system, temperature control, sound system, automation (scenarios) and anti-intrusion. Keys included: navigation, auto-switch on, door lock release, handsfree connection. LED signalling for: call exclusion, door status, and connection. Firmware update/programming USB port. Suitable for flush mounted installation using item 506 boxes. To be completed with finishing plate (all those suitable for item 506E of the AXOLUTE series). It can be configured using physical configurators or the TiAxoluteDisplay programming and configuration software (supplied as standard).
3349312	same as item 349311 - Anthracite AXOLUTE

AXOLUTE VIDEO DISPLAY cover plates

RECTANGULAR COVER PLATES		
ALUMINIUM		
	brushed aluminium	HA4826XC
	brushed anthracite	HA4826XS
	brushed titanium	HA4826NX
LACQUERED		
	white Limoges	HA4826BG
	red China	HA4826RC
	green Sèvres	HA4826VS
	blue Meissen	HA4826BM
ANODIZED		
	brushed chrome	HA4826CR
	brushed bronze	HA4826BR
	brushed mercury	HA4826AZ
	silver mat	HA4826SA
WOOD		
	ashwood	HA4826LFR
	teak	HA4826LTK
	wenge	HA4826LWE
GLASS		
	black glass	HA4826VNN
	blue glass	HA4826VZS
	mirror glass	HA4826VSA
	kristall glass	HA4826VKA
STONE		
	slate	HA4826RLV
	Carrara marble	HA4826RMC

ELLIPTIC COVER PLATES		
METALLIZED		
	Axolute aluminium	HB4826XC
	Axolute anthracite	HB4826XS
	solid black	HB4826NR
LIQUID		
	liquid white	HB4826DB
	liquid ivory	HB4826DA
	liquid blue	HB4826DZ
	liquid orange	HB4826DR
	liquid green	HB4826DV
GLOSSY		
	shiny gold	HB4826OR
	light titanium	HB4826TC
	silver mat	HB4826SA
	gold mat	HB4826OS
WOOD		
	maple	HB4826LAE
	cherrywood	HB4826LCA
	walnut	HB4826LNC
CORIAN®		
	Dusk	HB4826CDK
	Sandstone	HB4826CSD
STEEL		
	shiny Alessi stainl. steel	HB4826AXL
	brushed Alessi stainl. steel	HB4826AXS
LEATHER		
	sand leather	HB4826SLC
	coffee leather	HB4826SLS


Rectangular
HA4826...

Elliptic
HB4826...


349319

VIDEO DISPLAY TABLE-TOP BASE

Item	Description
349319	AXOLUTE VIDEO DISPLAY video handset table-top base. It can be connected to the system using the cable item 336813 and an 8 pole socket (item 349413, item 349414, item 349415). To be completed with the rectangular front cover plates for item 506E of the AXOLUTE civil series

2 WIRE SYSTEM

POLYX audio and video handsets



344082

POLYX AUDIO

Item	Description
344082	wall mounted 2-WIRE handsfree audio handset. Performs all the traditional door entry system functions. Keys available: entrance panel/cycling activation, door lock release, staircase light switching on, and 4 programmable keys, which operation is defined during the configuration procedure. Configuration through physical connection of the configurators. Wall fixing bracket supplied. Specific audible and visual signals mean that it is also suitable for use by disabled people



344192



344182

POLYX VIDEO

Item	Description
344192	wall mounted 2-WIRE handsfree video handset with 3.5" colour LCD display. Performs all the traditional video door entry system functions. Keys available: entrance panel/cycling activation, door lock release, staircase light switching on, and 4 programmable keys, which operation is defined during the configuration procedure. Configuration through physical connection of the configurators. Wall fixing bracket supplied. Specific audible and visual signals mean that it is also suitable for use by disabled people
344182	same as item 344192 but with integrated inductive teleloop module

NEW



344163

POLYX MEMORY DISPLAY AND TELELOOP MODULE

Item	Description
344163	wall mounted installation 2-WIRE handsfree video handset with audio and video memory. With 3.5" colour LCD display with PC customisable OSD navigation icon menu for the management of the following MY HOME applications: video door entry system, temperature control, sound system, scenarios and anti-intrusion. With video door entry system answering machine with call memory function. LED signalling for: call exclusion, door status, connection with entrance panel, and answering machine status. Suitable for wall mounted installation using the special bracket (supplied as standard). Configuration using the physical configurators or the TiPolyxMemoryDisplay software supplied as standard with the product

2 WIRE SYSTEM

PIVOT audio and video handsets



344032


344102
344122

PIVOT AUDIO AND VIDEO HANDSET

Item	Description
344032	2-WIRE audio handset for wall, table-top and flush mounted installation (using the appropriate MULTIBOX accessories). Keys available: door lock release, staircase light switching on, and generic actuation. Bell volume adjustable on 3 levels: high, medium and disabled (this condition is signalled by a flashing red LED). With conversation secrecy function. White. Wall fixing bracket supplied. It can be fitted with a 4 key module, item 346812
344102	2-WIRE video handset with black and white 4" flat monitor. Wall, table-top, and flush mounted installation (using the appropriate MULTIBOX accessories). Keys available: entrance panel/cycling activation, door lock release, staircase light switching on, and generic actuation. Bell volume adjustable on 3 levels: high, medium and disabled (this condition is signalled by a flashing red LED). With conversation secrecy function. White. Wall fixing bracket supplied. It can be fitted with a 4 key module, item 346812
344122	2-WIRE video handset with colour 4" TFT monitor. all, table-top, and flush mounted installation (using the appropriate MULTIBOX accessories). Keys available: entrance panel/cycling activation, door lock release, staircase light switching on, and generic actuation. Bell volume adjustable on 3 levels: high, medium and disabled (this condition is signalled by a flashing red LED). With conversation secrecy function. White. Wall fixing bracket supplied. It can be fitted with a 4 key module, item 346812



346812



337102



337122



336982

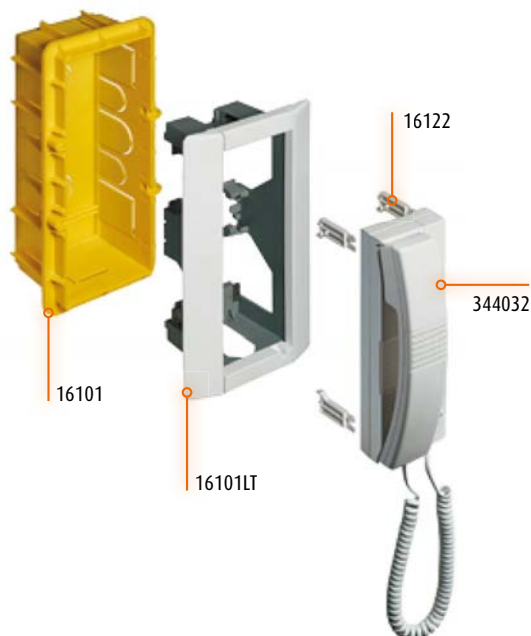
PIVOT HANDSET ACCESSORIES

Item	Description
346812	additional 4 key module (optional) for PIVOT audio and video handsets. It gives the possibility of controlling and performing additional functions, such as: activation of lights, door locks, and scenarios, intercom calls, direct activation of the entrance panels. It requires configuration using physical configurators. White
337102	PIVOT handset table-top installation support. It can also be used for tilted wall mounted installation. White
337122	PIVOT video handset table-top installation support. It can also be used for tilted wall mounted installation. White
336982	LIGHT series 8-pole socket for table-top installation of PIVOT handsets. White

2 WIRE SYSTEM

MULTIBOX accessories for PIVOT handsets

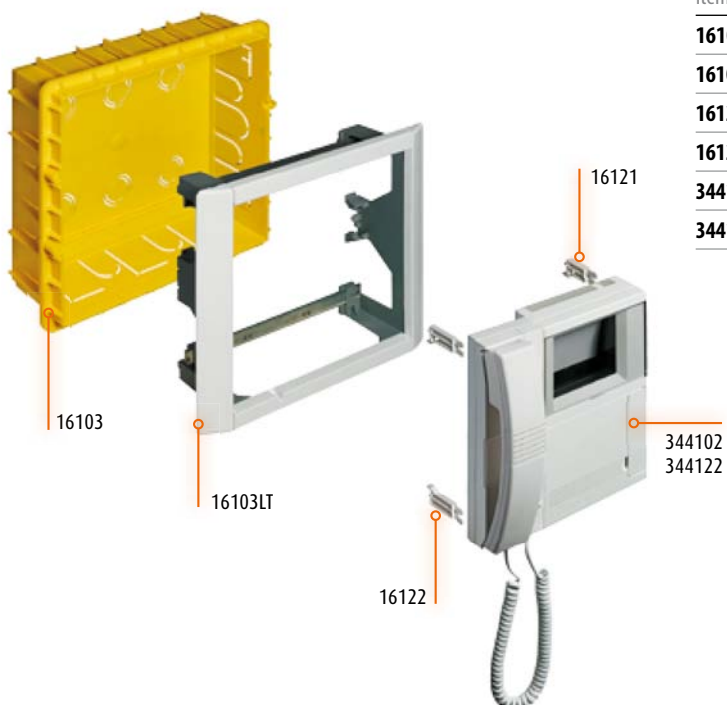
Audio handset



MULTIBOX INSTALLATION OF THE AUDIO HANDSET

Item	Description
16101	flush mounted box
16101LT	installation kit with white lateral surround plates
16122	no. 4 white fixing supports
344032	PIVOT audio handset

Video handset



MULTIBOX INSTALLATION OF THE VIDEO HANDSET

Item	Description
16103	flush mounted box
16103LT	installation kit with white lateral surround plates
16121	no. 4 white fixing supports
16122	no. 4 white fixing supports
344102	b/w PIVOT video handset
344122	colour PIVOT video handset

2 WIRE SYSTEM

SWING audio and video handsets



344704



344832
(BASIC B/W monitor)



344824
(colour monitor)

SWING AUDIO AND VIDEO HANDSETS

Item	Description
344704	2-WIRE audio handset for wall mounted installation. With door lock release key and 4 programmable keys (0-1-2-3), which operating mode is set through appropriate configuration procedure. The volume of the bell can be adjusted, or the bell may be disabled. Conversation secrecy function, office function, and door lock release (signalling through appropriate LED). White. Wall fixing bracket supplied
344832	2-WIRE basic video handset with black and white 4" monitor. Wall mounted installation. With the following keys for the video door entry system functions: door lock release, entrance panel/ camera cycling activation, staircase light switching on, and intercom. The volume of the bell can be adjusted, or the bell may be disabled. Call secrecy function and door status function also available. Wall fixing bracket supplied
344824	2-WIRE video handset with colour 4" TFT monitor. With door lock release key and 4 programmable keys (0-1-2-3), which operating mode is set through appropriate configuration procedure. The volume of the bell can be adjusted, or the bell may be disabled. Conversation secrecy function, office function, and door lock release (signalling through appropriate LED). White. Wall fixing bracket supplied

2 WIRE SYSTEM

SPRINT audio handsets



344212

SPRINT HANDSETS

Item	Description
344212	2-WIRE audio handset (WITH the possibility of fitting with accessories) for audio systems and mixed audio/video systems. Wall mounted or table-top installation (using the 337242 support). With door lock release key and auxiliary functions key. Preset for call to the floor function. It can be accessorised with additional keys and call exclusion card 346800. Bell volume adjustable on 3 levels. White

Colour video switchboard



346310

SWITCHBOARD

Item	Description
346310	switchboard for 2-WIRE audio and video systems. Access to various services (video door entry system functions, door lock and/or stair light management, and monitoring of apartment alarms) directly from the keyboard, or using the intuitive menu icons. The switchboard is supplied with built-in table top support and has a 7" colour LCD display, receiver and handsfree, dedicated keys for the main functions, and configurable keys. Programming can be performed directly from the device, or using a PC with the software (supplied as standard)
336982	8-way socket for switchboard table top installation – LIGHT finish
336813	AMP – RJ cable for switchboard table top installation

Software switchboard

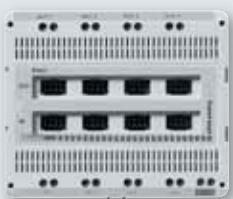


346300

SOFTWARE SWITCHBOARD

Item	Description
346300	switchboard software for the management of audio and video door entry system calls. The software (Windows operating system compatible) can be installed on any desktop or laptop PC, and gives the possibility of receiving, managing and transferring the calls from the entrance panel and the handset. It implements home video monitoring, with cyclical display of the cameras, night and day functions, and the possibility of displaying the alarms in the various apartments. - Supported operating systems: Microsoft Windows XP Service Pack 2 and Windows Vista. - Software required: NET Framework 3.5 or higher. - Must be integrated to the 2 wire system using the IP interface 574039.

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2 WIRE SYSTEM

DIN auxiliary devices



63435 □ SELV



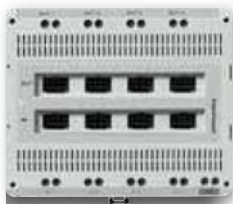
346030 □ SELV



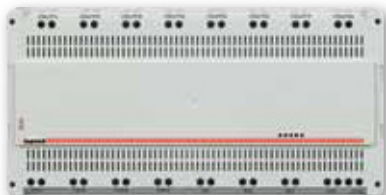
63442 □ SELV



63434



573998



03584

COMING SOON



345829



PLTI

POWER SUPPLIES

Item	Description
63435	2-WIRE audio and video system power supply with 8 DIN modular housing. Power supply 230 Vac @ 50-60 Hz. On the output it supplies 27 Vdc continuous low voltage, with a maximum current of 1.2 A. It's electronically protected (without fuses) against short circuit and overload. It's a SELV double insulation safety device
346030	mini power supply with integrated video adapter for small 2-WIRE video systems (intercom). 2 DIN modular housing. Power supply 230 Vac @ 50-60 Hz. On the output it supplies 27 Vdc continuous low voltage, with a maximum current of 600 mA. It's protected on the PRI side (with fuses) against short circuit and overload. It's a SELV double insulation safety device
63442	additional power supply used for the local power supply of preset handsets and entrance panels. 2 DIN modular housing. Power supply 230 Vac @ 50-60 Hz. On the output it supplies 27 Vdc continuous low voltage, with a maximum current of 600 mA. It's protected on the PRI side (with fuses) against short circuit and overload. It's a SELV double insulation safety device

VIDEO MIXERS

Item	Description
63434	video adapter with 2 DIN modular housing. For connecting 3 BUS to the system. It is therefore possible to install systems with 2 video entrance panels and 1 riser, as well as systems with one video entrance panel and 2 risers. The device must be used with system power supply, item 63435
573998	audio/video node with 2 DIN modular housing preset with 4 input clamps and 4 output clamps. It can be used for connecting up to 4 source device posts (entrance panels or cameras) on the input and up to 4 2-wire video risers on the output. The device must be used with system power supply item 63435. It must be used in alternative to the audio/video adapter, item 63434
03584	multichannel matrix with 10 DIN modular housing. Preset for the connection of video door entry system entrance panels, cameras and sound system sources on the input, and entrance panels and amplifiers on the output. Four inputs are for entrance panels/cameras, and 4 for sound system sources. It enables to create multichannel sound system. The device must be used with system power supply item 63435. Within the systems, it replaces the video adapter, item 63434, and the audio/video node, item 573998

PABX

Item	Description
345829	Dual line PABX for 2-wire system. 8 extension output with integrated MYHOME function capabilities. Multi channel line system with remote MYHOME function control.
PLTI	Telephone line protection module for PABX

2 WIRE SYSTEM

DIN auxiliary devices



63438



63439



574039



63431



63433



346260

SYSTEM INTERFACES

Item	Description
63438	apartment interface in 4 DIN modular housing. It can be used to interface to a 2-wire riser a dedicated apartment video door entry system with local video monitoring system, sound system, and MY HOME applications control. The device must be configured using physical configurators
63439	system expansion interface with modular 4 DIN housing. It enables doubling of the length of the entrance panel - handset line, to create independent audio risers, and to expand the range or functions of the apartment system. The device must be configured using physical configurators

INTERFACES WITH OTHER BTICINO SYSTEMS

Item	Description
574039	2-WIRE - IP interface with 10 DIN modular housing. Thanks to the creation of an IP backbone with 2-wire risers, it gives the possibility of installing very large mixed 2-wire/IP systems with a high number of devices. The device must be configured using physical configurators, or the software supplied

DIN ACTUATORS

Item	Description
63431	relay actuator with 4 DIN modular housing. it can be used for switching the lights on, opening the gates, repeating calls on bells (MOD=SLA), or for controlling other devices using the video handsets. The device must be configured using physical configurators
63433	door lock relay actuator with 2 DIN modular housing. For the power supply and activation of an electrical door lock. The device must be configured using physical configurators
346260	timed door lock relay actuator with 4 DIN modular housing. It can be used for switching the lights on, opening gates, or manage electromagnetic door locks, timed door opening, and door lock status (with NC contact). The device must be configured using physical configurators

2 WIRE SYSTEM

System accessories



63432



346833



574038

BASIC HOUSING DEVICES

Item	Description
63432	4-output floor shunt. For installing 2-wire video door entry systems with star wiring distribution. The device automatically adapts the video signal. Thanks to its compact sizes, it can also be fitted inside a flush mounted box
346833	call to the floor interface. By connecting traditional pushbuttons, the following functions will be possible: general call to the floor, addressed call to the floor, staircase lights on, and door lock release (specific actuator needed), and association of the video image to the call to the floor. The device must be configured using physical configurators
574038	interface for the conversion of the coaxial signal into a 2-WIRE BUS signal. It can be used to connect to the BUS of the 2-wire video door entry system a camera with coaxial video output powered at 12 Vdc, with maximum absorption 150 mA and 1 Vpp video output (75 Ω). The device must be configured using physical configurators



346870



346903



346902



346250

WIRING ACCESSORIES

Item	Description
346870	2-WIRE video amplifier. In video systems wired using non-twisted wires, where the distance between the entrance panels and the handset exceeds 50 metres, it enables increasing such distance to up to 100 metres
346903	accessory for the connection of SFERA pushbutton panels with more than 26 calls. To be fitted on the back of the SFERA speaker module, in the appropriate socket
346902	cable for the connection of SFERA pushbutton modules arranged on several columns
346250	gate opening relay module to be used with LINEA 2000, LINEA 2000 METAL, MINISFERA AND SFERA pushbutton panels (only audio/video module 342560). It can be used to release door locks (NOT managed through the BUS) from the entrance panel
346907	adaptor cable for AUDIO/VIDEO SFERA module, length 40 cm
336813	cable (RJ45/8 poles) for table top connection of video handsets
F442	TV SCS modulator with 6 DIN modular housing. For displaying on the home television set the images from the 2-WIRE video door entry system. 22 selectable S band channels
03589	line terminator. To be used to terminate the riser or apartment line, when the last installed device is not fitted with line closing micro switch



F442



03589

2 WIRE SYSTEM

System accessories



346991



346992



573999



26145

UNIVERSAL SPEAKER UNIT AND EXPANSION MODULE

Item	Description
346991	The universal speaker unit can be used to install the 2-WIRE audio system in new or refurbished systems, where pushbutton panels of other manufacturers are present or required (mail boxes, patterned brass, compact sheet metal units, etc.), preset for a traditional speaker module (e.g. 2659N). The universal speaker unit has a contact base for the connection of 8 call keys; for systems with a higher number of keys (up to 56 when using the 63435 power supply) one or more key expansion modules must be used (1 every 8 keys)
346992	expansion module for connecting more than 8 call keys to item 346991 - max. 6 modules (56 calls max.) with power supply 63435.

SYSTEM CABLE

Item	Description
573999	specific cable for video door system applications with 2 twisted conductors. It can be installed in underground piping, in accordance with CEI 20-13 and CEI 20-14 standards. It ensures the best performance in video systems (higher distance between EP and Handset when compared with other cables). 200 m coil

CONFIGURATORS (10 PIECE PACK)

Item	Description
49200	configurator 0
49201	configurator 1
49202	configurator 2
49203	configurator 3
49204	configurator 4
49205	configurator 5
49206	configurator 6
49207	configurator 7
49208	configurator 8
49209	configurator 9

CONFIGURATOR KIT

Item	Description
26145	configurator kit consisting of: - 10 pieces for each type of configurator from 0 to 9 - 2 blue removable 8-clamp connectors - 2 green removable 2-clamp connectors - 1 configurator connection tool - 1 plastic screwdriver

2 WIRE SYSTEM

System accessories



346982



346983



346984

MELODIC BELLS

Item	Description
346982	2-WIRE melodic bell with LIGHT look (white). It's used to repeat the video door entry system call in several rooms. Wall mounted installation using the accessories and front cover plates of the LIGHT residential series
346983	same as item 346982 - LIVING
346984	same as item 346982 - LIGHT TECH



336992



336993



336994

EXTRA BELLS

Item	Description
336992	LIGHT extra bell (white). It's used to repeat the video door entry system call in several rooms. Wall mounted installation using the accessories and front cover plates of the LIGHT residential series
336993	same as item 336992 - LIVING
336994	same as item 336992 - LIGHT TECH
336910	extra bell with neutral look. It's used to repeat the video door entry system call in several rooms. Wall mounted installation or installation inside round box (with fixing clips)



336910



391658
391668



391659
391669



391657
391667

2 WIRE INDOOR CAMERAS

Item	Description
391658	flush mounted colour camera in LIGHT finish. 3.7 mm fixed optics, 1/3" CCD, 380 horizontal lines resolution. With microphone. The device must be configured using physical configurators
391659	same as item 391658 - LIGHT TECH
391657	same as item 391658 - LIVING
391668	flush mounted b/w camera in LIGHT finish. 3.7 mm fixed optics, 1/3" CCD, 380 horizontal lines resolution. With microphone. The device must be configured using physical configurators
391669	same as item 391668 - LIGHT TECH
391667	same as item 391668 - LIVING

2 WIRE OUTDOOR CAMERA

Item	Description
573986	compact colour camera with IP 65 housing, fixed 6 mm optics, 1/3" CMOS, 330 horizontal lines resolution. The device must be configured using physical configurators



573986

CONTENTS



2 WIRE SYSTEM - AUDIO AND VIDEO KIT

POLYX MEMORY DISPLAY handsfree colour video kit	
- LINEA 2000 METAL	47
POLYX VIDEO handsfree colour video kit	
- LINEA 2000 METAL	47
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SOFTWARE & TECHNICAL SUPPORT

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2 WIRE SYSTEM

Audio and video kit

The kit is the most economical and practical solution for creating one-family and two-family 2-wire or analog audio and video door entry systems for the residential and small service sector.

With a single reference code, the kit includes all the items required for the creation of a system: power supply, entrance panel, handset, and any wiring accessories.

The kit includes a manual with all the technical information required for the installation, the connection, the putting into operation of the system, as well as an explanation of all the system features, and expansion possibilities.

The combinations between entrance panels and handsets and the type of installation (surface or flush mounted), meet all installation requirements.



The 2-WIRE kits are fully expandable and are suitable for all installation requirements. They are fully compatible with the 2-WIRE range of devices (outdoor pushbutton panels,

audio handsets, video handsets, system accessories, and indoor or outdoor cameras), ensuring the possibility of expansion without limitations.

2 WIRE SYSTEM

Handsfree colour video kit with memory

NEW


(3.5" colour display)

POLYX MEMORY DISPLAY HANDSFREE KIT - LINEA 2000 METAL WALL MOUNTED INSTALLATION

Item	Description
369411	one-family handsfree kit with call memory and colour video display consisting of POLYX MEMORY DISPLAY video handset and LINEA 2000 METAL pushbutton panel. The video handset has an icon menu for the control of video door entry functions and MY HOME automation functions. 2-WIRE technology. Devices suitable for wall mounted installation. The pushbutton panel has an IK10 protection index against mechanical impact

Composition	Item	369411
LINEA 2000 METAL pushbutton panel 1 call pushbutton	342991	1
POLYX MEMORY DISPLAY video handset	344163	1
Power supply	346000	1
Video adapter	346830	1
Door lock relay accessory	346250	1

Handsfree colour video kit

NEW


(3.5" colour display)

POLYX VIDEO HANDSFREE KIT - LINEA 2000 METAL WALL MOUNTED INSTALLATION

Item	Description
368911	one-family handsfree video (colour) kit with POLYX VIDEO handset and LINEA 2000 pushbutton panel. 2-WIRE technology. Devices suitable for wall mounted installation. The pushbutton panel has an IK10 protection index against mechanical impact

Composition	Item	368911
LINEA 2000 METAL pushbutton panel 1 call pushbutton	342991	1
POLYX VIDEO video handset	344192	1
Power supply	346000	1
Video adapter	346830	1
Door lock relay accessory	346250	1

2 WIRE SYSTEM

Colour video monitoring system kit with memory

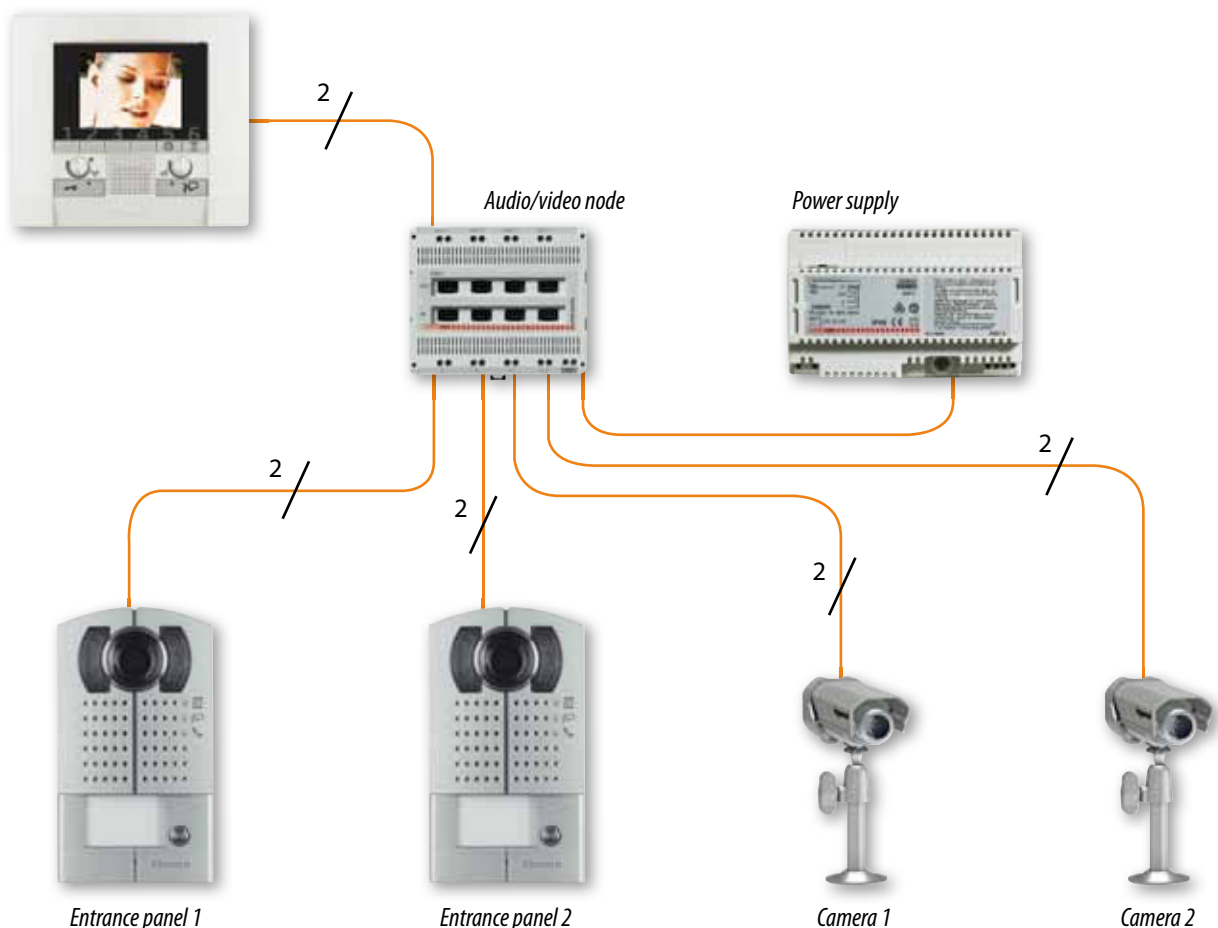
The 344163 POLYX MEMORY DISPLAY video handset includes a call memory function. It is possible to record voice and images of entrance panel calls. It is also possible to record an audio message to play back on the entrance panel following an unanswered call. The video door entry system message can be recorded in 2 ways:

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

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

EXAMPLE OF EXPANDABILITY WITH TWO ENTRANCE PANELS AND TWO 2-WIRE OUTDOOR CAMERAS

Video handset



2 WIRE SYSTEM

BASE SYSTEM video kit

The 2-WIRE BASE SYSTEM video kits are the basis for the creation of black&white or colour video systems in small residential units.



The kit contains all the necessary materials for the installation which can then be easily expanded using the products in the 2-WIRE BTicino range (entrance panels, handsets, video handsets, and system accessories).

SWING – SFERA MODULAR EXPANDABLE VIDEO KIT

Item	Description	
369111	one-family expandable video kit with SWING colour video handset and SFERA A/V pushbutton panel. The video handset is suitable for wall mounted installation. The pushbutton panel is suitable for flush mounted installation. 2-WIRE technology	
Composition	Item	369111
SFERA flush mounted box, 2 modules	331120	1
SFERA speaker module	342170	1
Colour SFERA camera module	342550	1
Allmetal speaker module front cover, 1 pb.	332111	1
Allmetal camera front cover	332511	1
Allmetal 2 modules surround plate	331221	1
SWING colour video handset	344824	1
Power supply	346000	1
Video adapter	346830	1



SWING VIDEO KIT - LINEA 2000 METAL

Item	Description	
367511	one-family video (colour) kit with SWING BASE video handset and LINEA 2000 pushbutton panel. 2-WIRE technology. Devices suitable for wall mounted installation. The pushbutton panel has an IK10 protection index against mechanical impact	
Composition	Item	367511
LINEA 2000 METAL pushbutton panel 1 call pushbutton	342991	1
SWING colour video handset	344824	1
Power supply	346000	1
Video adapter	346830	1
Door lock relay accessory	346250	1

2 WIRE SYSTEM

B/W and colour video kit



SWING BASE - SFERA AUDIO/VIDEO EXPANDABLE VIDEO KIT

Item	Description	
366311	expandable video kit with SWING BASE video handset and SFERA A/V pushbutton panel. The video handset is suitable for wall mounted installation. The pushbutton panel is suitable for flush mounted installation. 2-WIRE technology	
Composition	Item	Quantity
SFERA flush mounted box, 1 module	331110	1
SFERA audio/video module with colour camera	342560	1
Allmetal front cover, 1 key	342471	1
Allmetal SFERA surround plate	331211	1
SWING BASE video handset with b/w monitor	344832	1
Video adapter	346830	1
Power supply	346000	1



SWING BASE VIDEO KIT - LINEA 2000

Item	Description	
365411	one-family video (black & white) kit with SWING BASE video handset and LINEA 2000 pushbutton panel. 2-WIRE technology. Devices suitable for wall mounted installation.	
Composition	Item	365411
LINEA 2000 pushbutton panel 1 call pushbutton	342951	1
BASE SWING video handset	344832	1
Power supply	346000	1
Video adapter	346830	1
Door lock relay accessory	346250	1

2 WIRE SYSTEM

Audio kit

NEW


POLYX AUDIO KIT - LINEA 2000 METAL

Item	Description
369211	one-family kit with POLYX audio handset and LINEA 2000 METAL pushbutton panel. 2-WIRE technology. Devices suitable for wall mounted installation. The pushbutton panel has an IK10 protection index against mechanical impact. POLYX audio has LED call visualisation
Composition	Item 369211
LINEA 2000 METAL pushbutton panel 1 call pushbutton	342971 1
POLYX audio	344082 1
Power supply	346000 1



SWING AUDIO KIT - MODULAR SFERA

Item	Description
367211	one-family kit with SWING handset and SFERA modular pushbutton panel in Allmetal finish. 2-WIRE technology. Handset suitable for wall mounted installation. Pushbutton panel suitable for flush mounted installation
Composition	Item 367211
Box + frame, 1 module	331110 1
speaker module front cover 1 Allmetal pushbutton	332111 1
Surround plate 1 Allmetal module	331211 1
2-WIRE speaker module	342170 1
SWING handset	344704 1
Power supply	346000 1

2 WIRE SYSTEM

Audio kit



SWING AUDIO KIT - LINEA 2000 METAL

Item	Description	
368111	one-family kit with SWING handset and LINEA 2000 METAL pushbutton panel. 2-WIRE technology. Devices suitable for wall mounted installation. The pushbutton panel has an IK10 protection index against mechanical impact	
Composition	Item	368111
LINEA 2000 METAL pushbutton panel 1 call pushbutton	342971	1
SWING handset	344704	1
Power supply	346000	1

Analogue kit



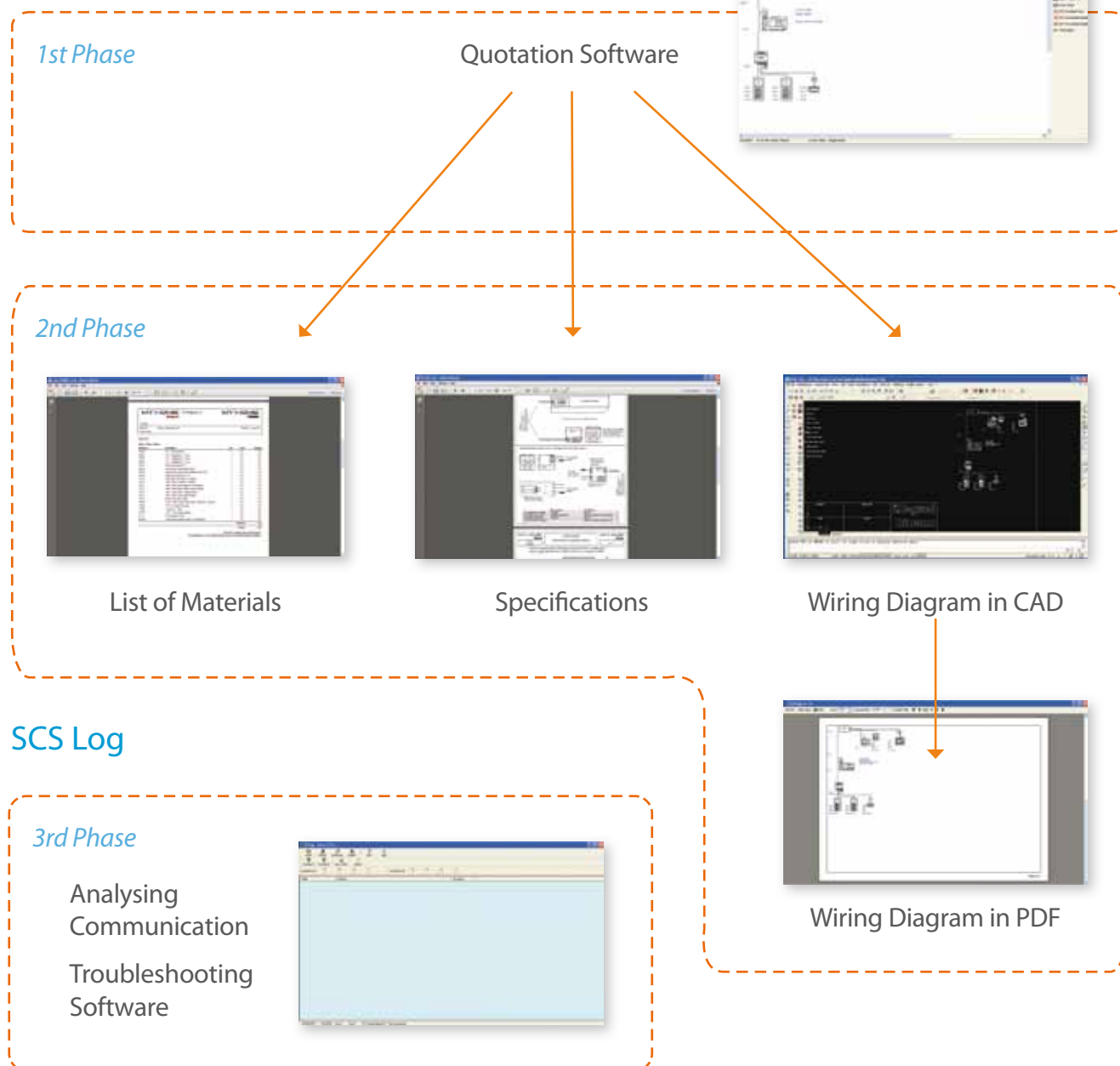
SPRINT AUDIO KIT - LINEA 2000

Item	Description	
363811	one-family kit with SPRINT audio handset and LINEA 2000 pushbutton panel in analogue technology. Handset and pushbutton panel are suitable for wall mounted installation. Additional internal handset is 331550	
Composition	Item	363811
SPRINT handset	-	1
SPRINT handset	-	1
Power supply	336842	1
Additional audio handset	331550	Suitable only for 363811 kit

* Entrance panel and handset is specific for this kit only

SOFTWARE & TECHNICAL SUPPORT

YouDiagram Quotation Software



Technical Support

TECHNICAL SUPPORT

For general inquiries contact 1300 369 777

For specific troubleshooting please contact the Door Entry System Technical Support Team through the call centre

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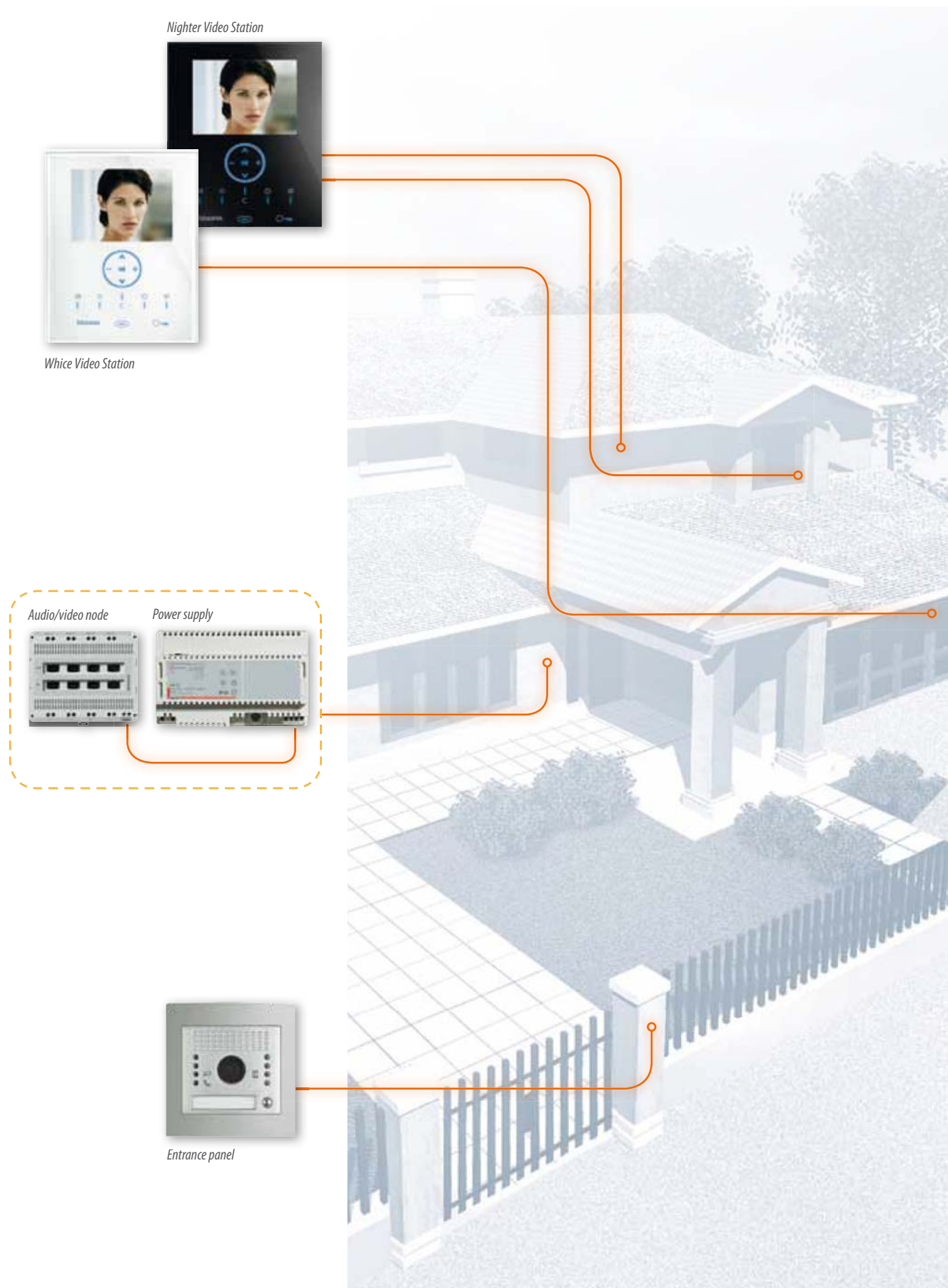
2 WIRE CATALOGUE - TECHNICAL DATA

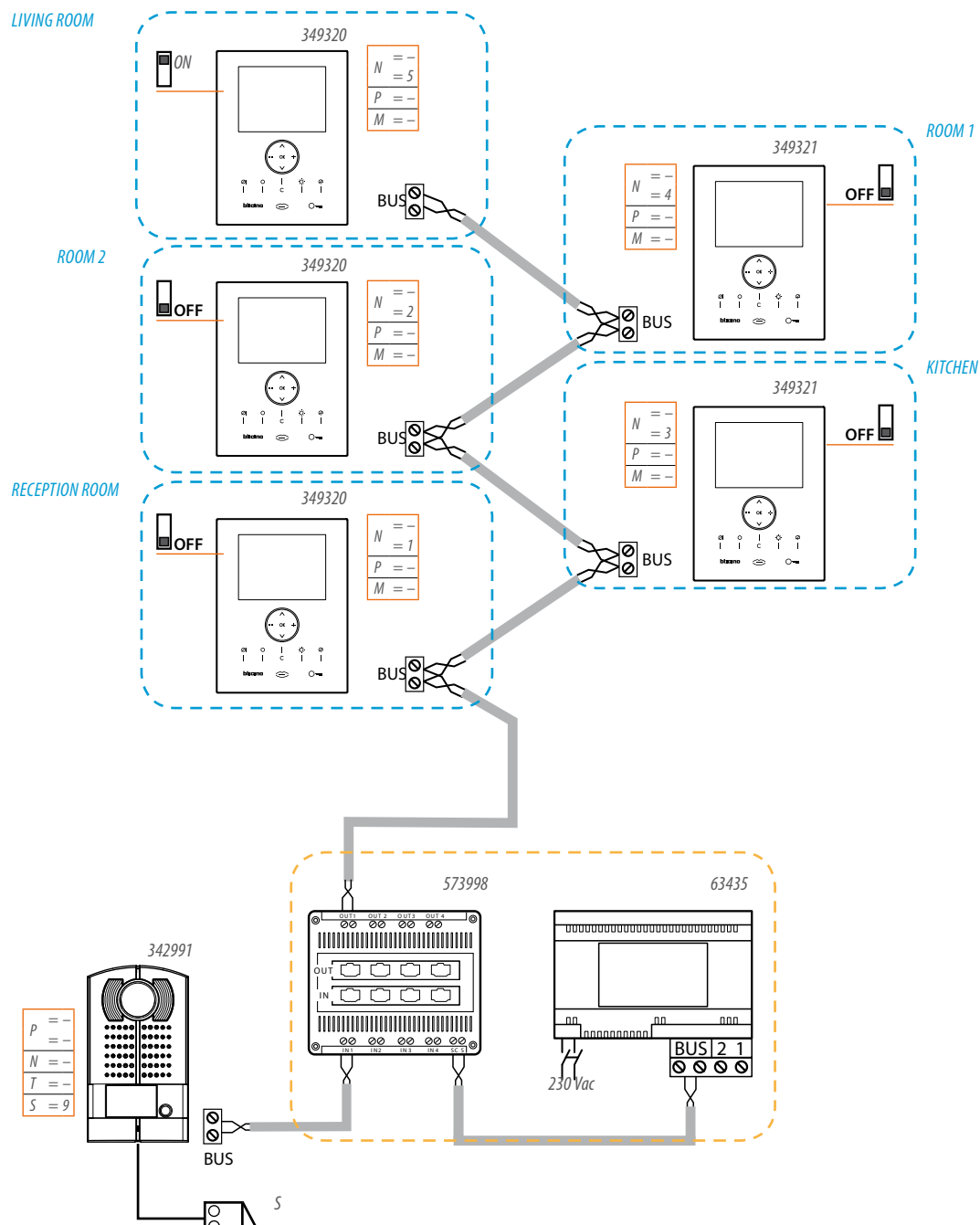
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RESIDENTIAL INSTALLATIONS

Example 1 - Villa

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



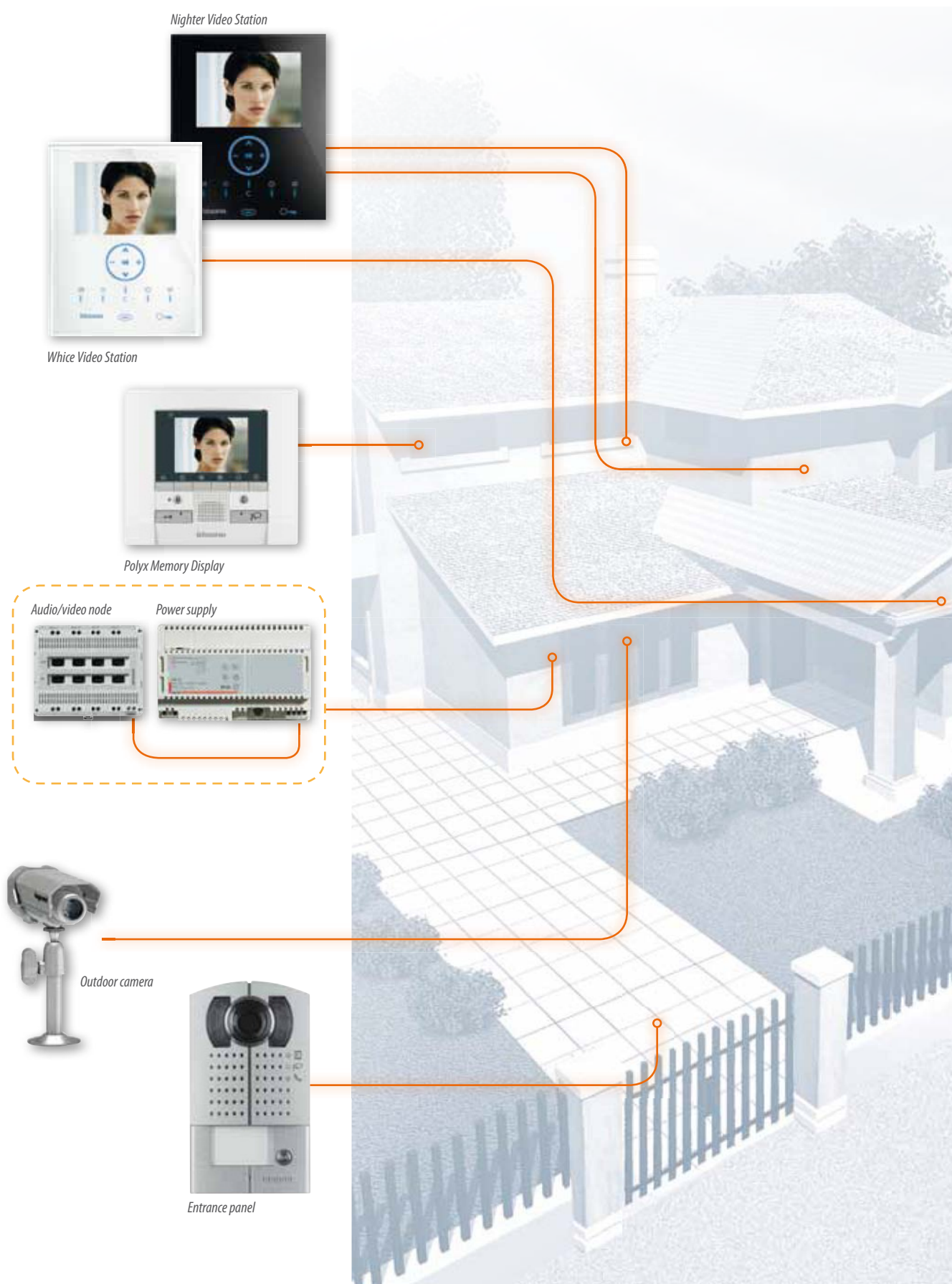


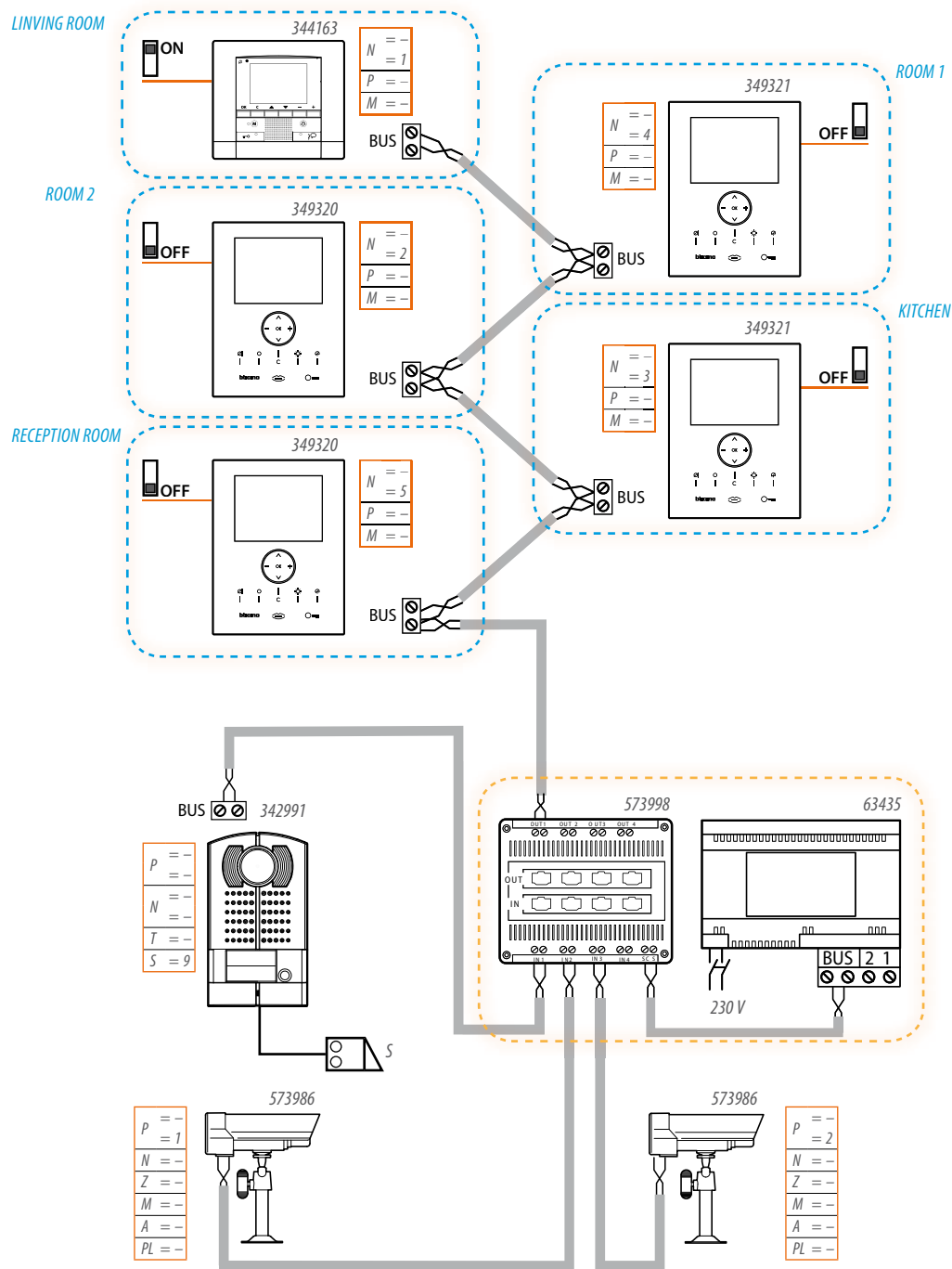
ITEM	DESCRIPTION	QUANTITY
342991	Entrance panel	1
573998	Audio/video node	1
63435	Power supply	1
349320	Nighter Video Station	3
349321	Whice Video Station	2
S	Electrical door lock	1

RESIDENTIAL INSTALLATIONS

Example 2 - Villa

ONE-FAMILY VIDEO DOOR-ENTRY SYSTEM WITH OUTDOOR CAMERAS





ITEM	DESCRIPTION	QUANTITY
342991	Entrance panel	1
573986	Outdoor camera	2
573998	Audio/video node	1
63435	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

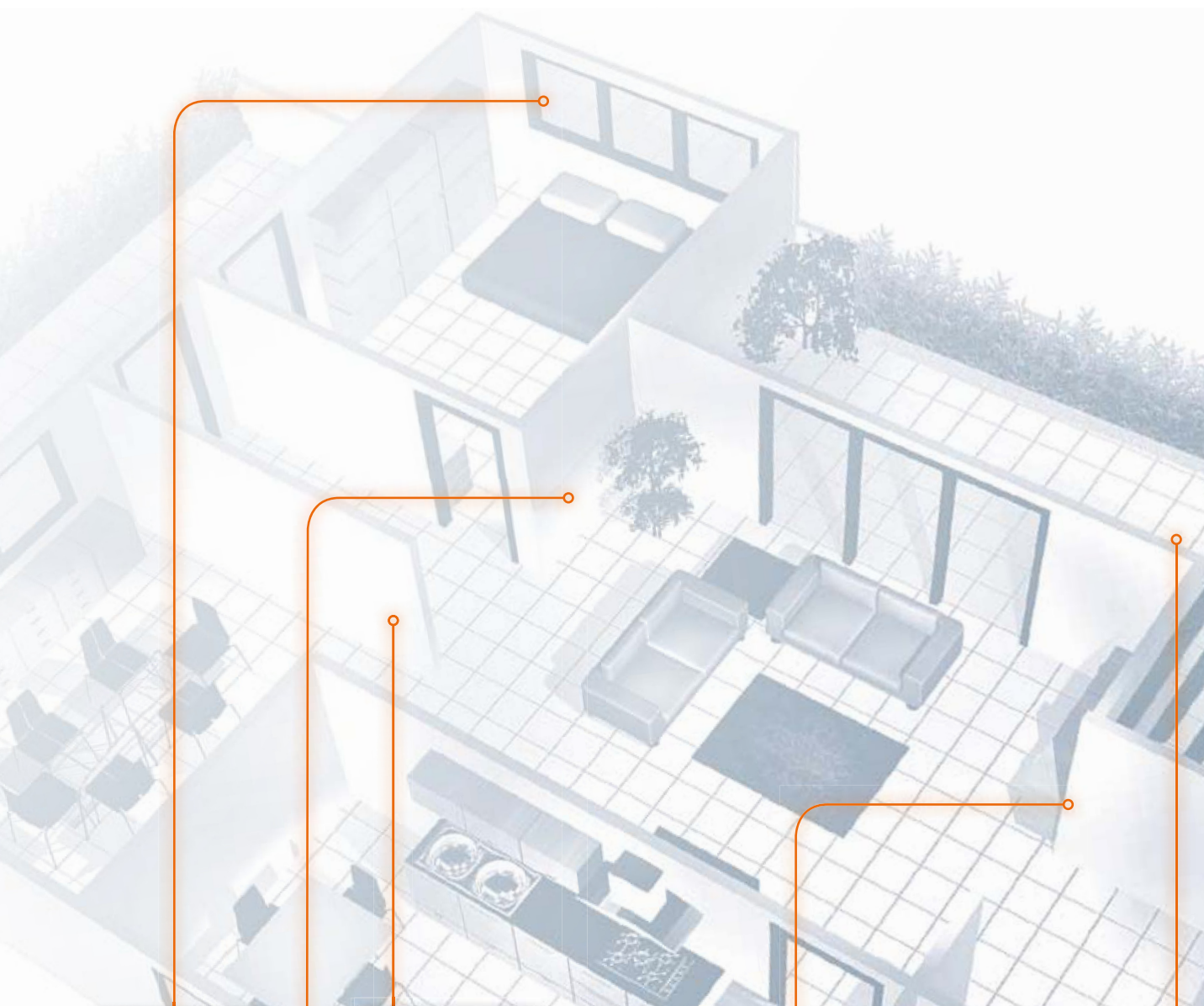
S = Electric door lock 18 V 4 A impulsive 250 mA holding current

NOTE 1: We recommend that the video handsets are configured using the software supplied with the product
 NOTE 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)

RESIDENTIAL INSTALLATIONS

Example 3 - Apartment

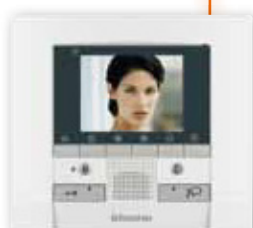
APARTMENT WITH DEDICATED ENTRANCE PANEL AND PRIVATE CAMERAS



Indoor camera



Axolute Video display



Polyx Memory Display



Outdoor camera

Apartment interface

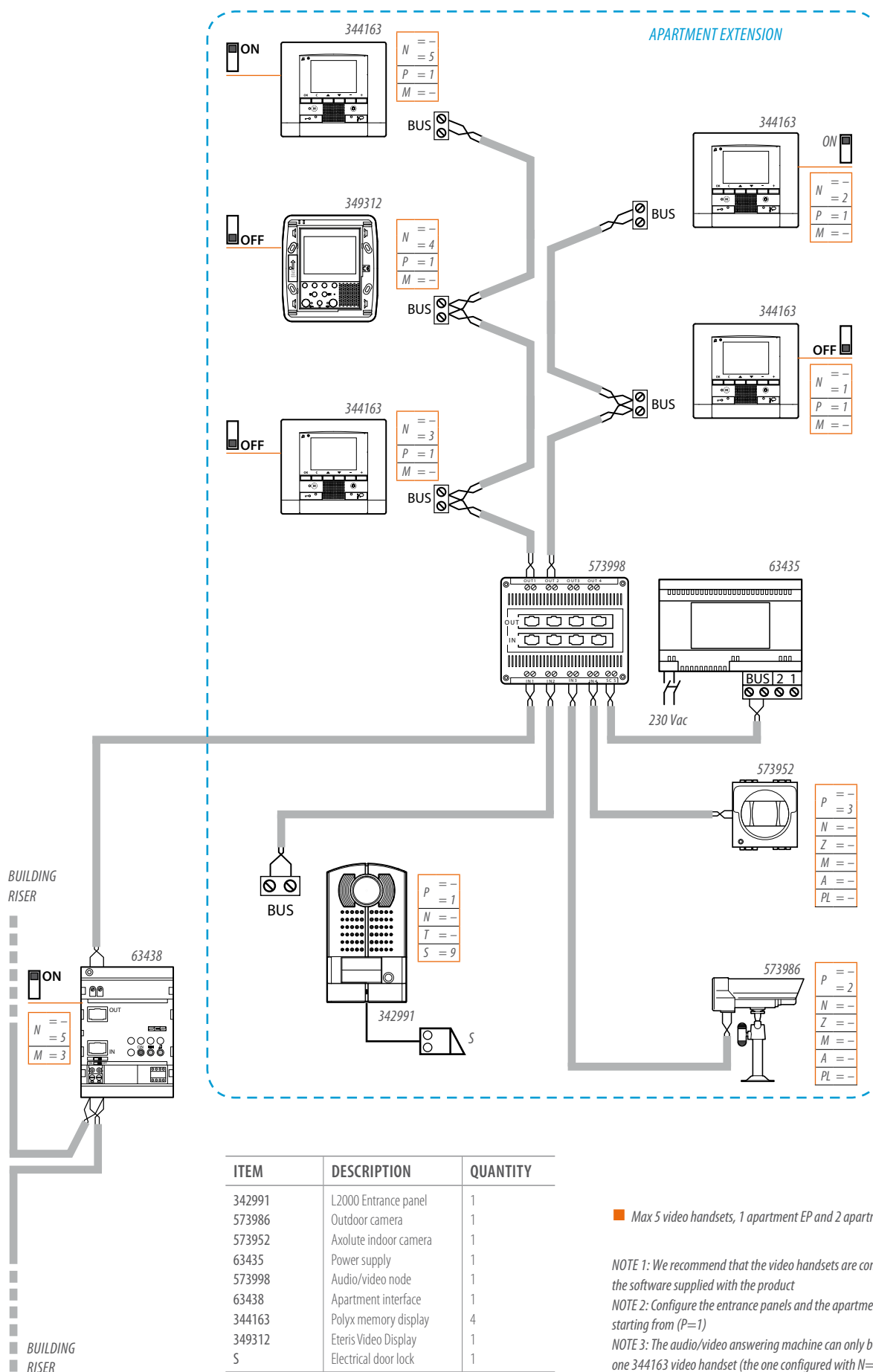


Audio/video node



Power supply

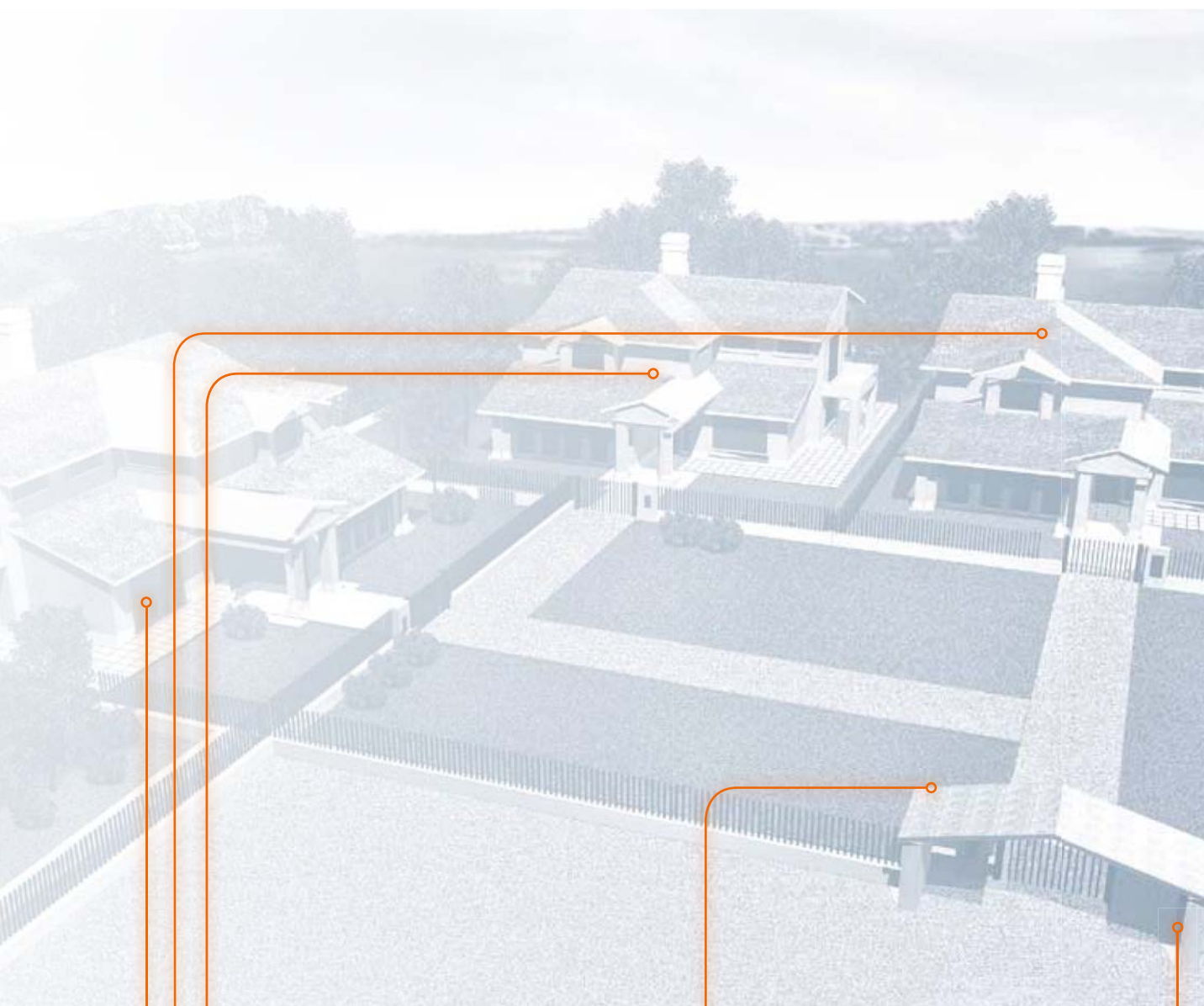




RESIDENTIAL INSTALLATIONS

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

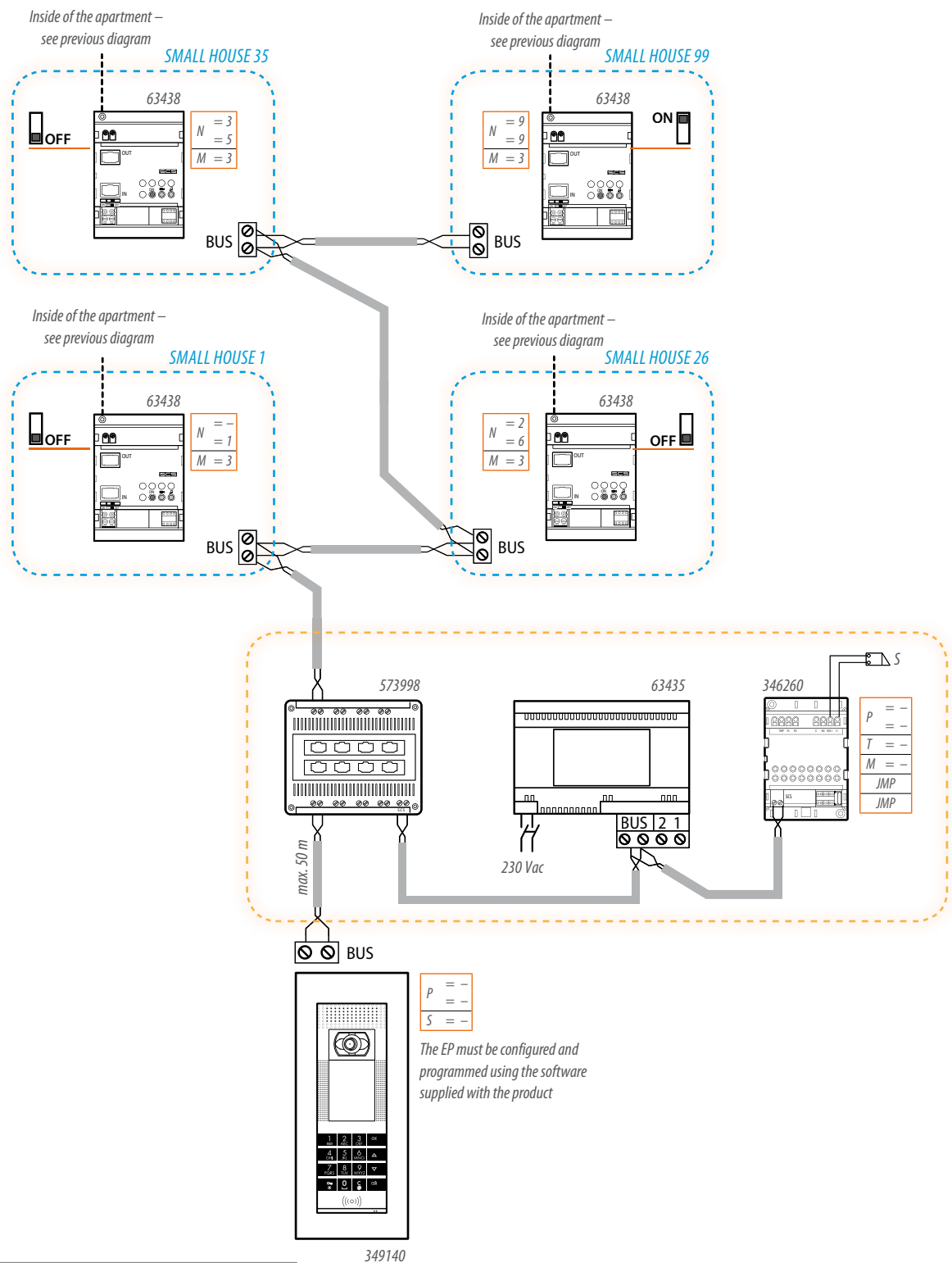


Power supply



Entrance panel



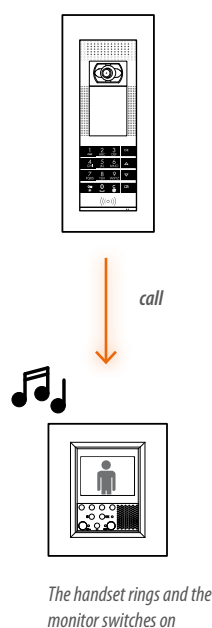


ITEM	DESCRIPTION	QUANTITY
349140	Axolute entrance panel	1
339213	Front cover plate	1
339313	Flush mounted box	1
573998	Audio/video node	1
63435	Power supply	1
63438	Apartment interface	1 - 99
S	Electrical door lock	1
346260	Door lock actuator	1

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

TECHNICAL DATA

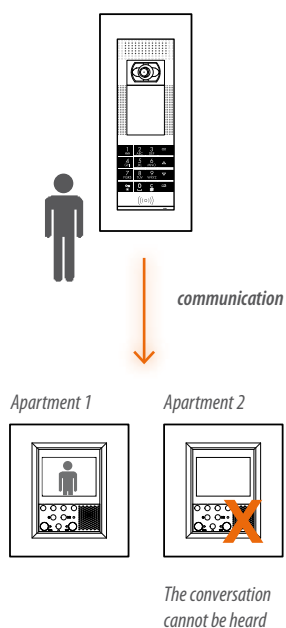
System functions



THE CALL

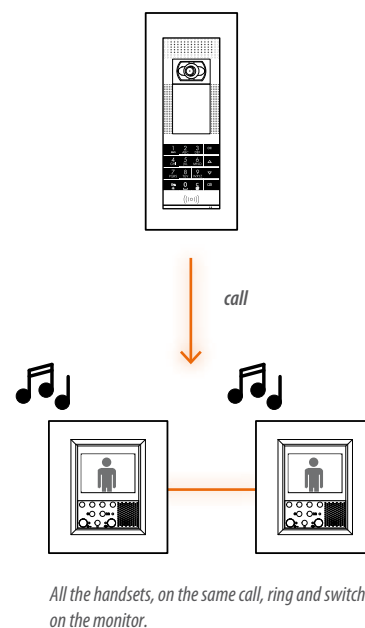
Pressing the call pushbutton on the entrance panel, the system generates a signal that is only recognised by the video handsets the call is addressed to (the call will have to be answered within 30 seconds from the moment the pushbutton is pressed).

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.



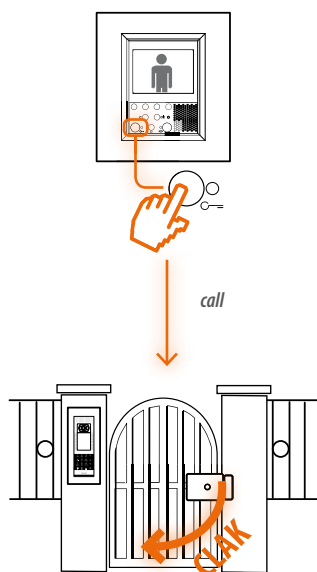
CONVERSATION SECRECY

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.



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.

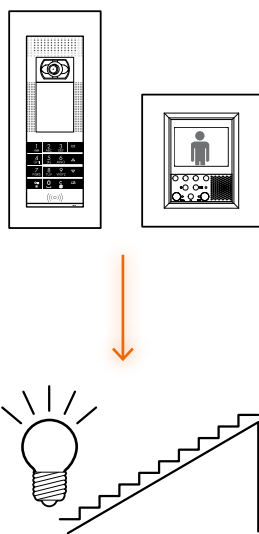


Pressing the door lock key will open the gate associated with the handset.

DOOR LOCK PUSHBUTTON

The video handsets are fitted with a door lock pushbutton. Pressing this pushbutton will open 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.



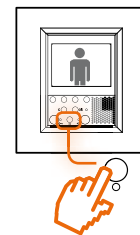
The staircase light function will switch on the system lights connected to a special actuator

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 63431, appropriately configured.



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

SELF-SWITCHING ON PUSHBUTTON

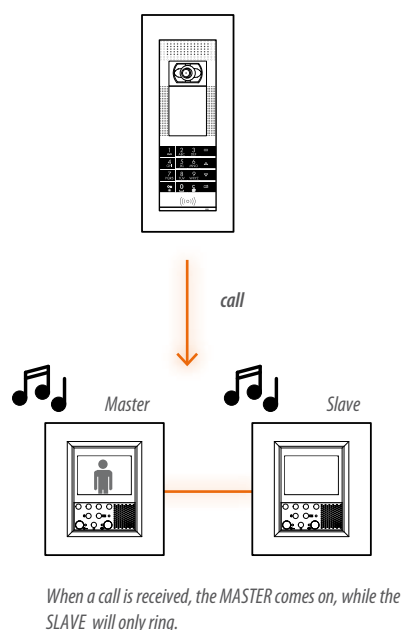
By pressing the self-switching on pushbutton while the videohandset is at rest, a connection will be established with the entrance panel associated with the handset during the P configuration of the handset itself.

Pressing repeatedly on the self-switching on pushbutton, will scroll through the various entrance panels and the cameras connected to the system.



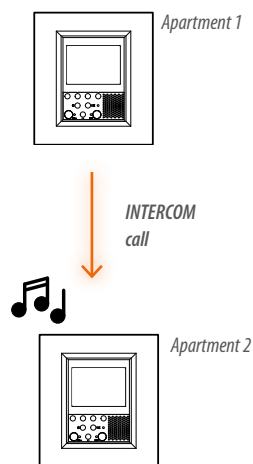
TECHNICAL DATA

System functions



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.



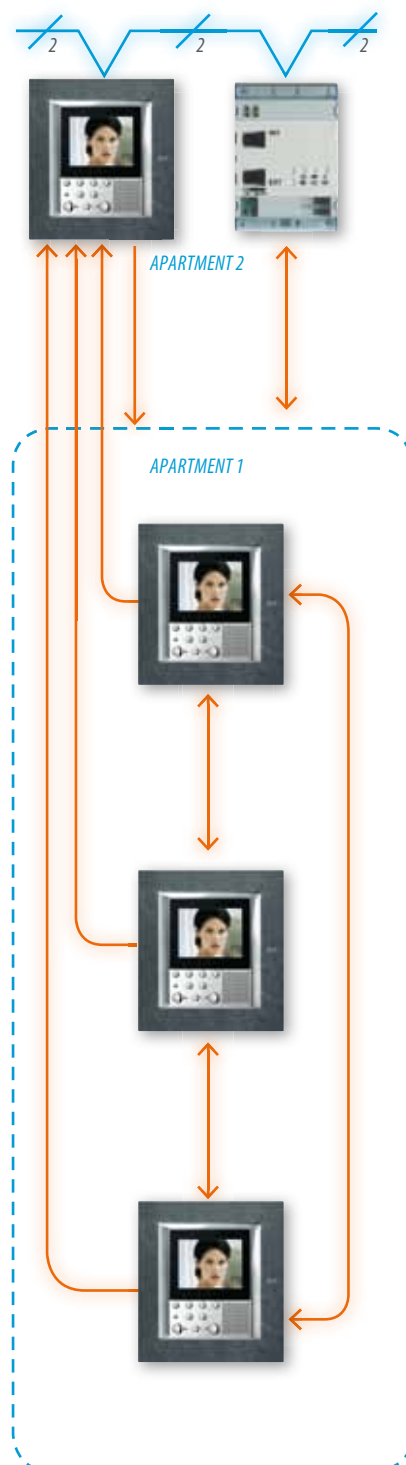
INTERCOM

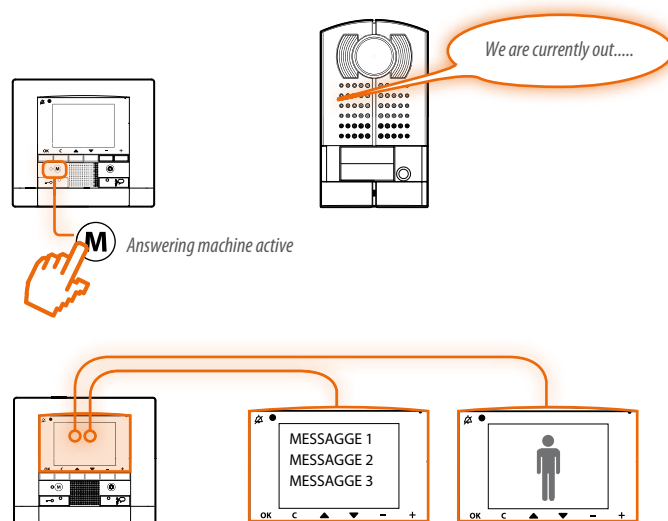
The system offers an intercom function, with up to 3 minutes communications between videohandsets:

- From different apartments
- Within the same apartment

If the apartment has an apartment interface - item 63438 - 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 63438 - 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.

Item 63438 apartment interface enables the INTERCOM function between the devices within the one apartment and the various apartments





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.

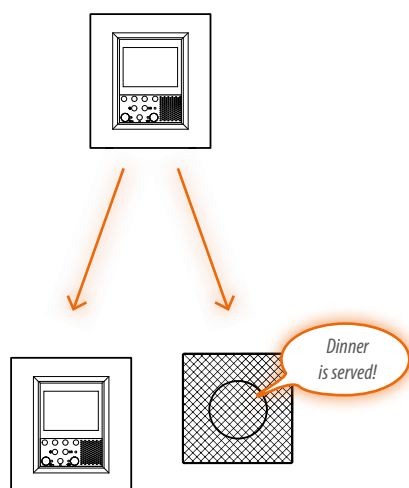
It is also possible to record an audio message to play back on the entrance panel following an unanswered call. The video door entry system message can be recorded in 2 ways:

- **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.

TECHNICAL DATA

System functions

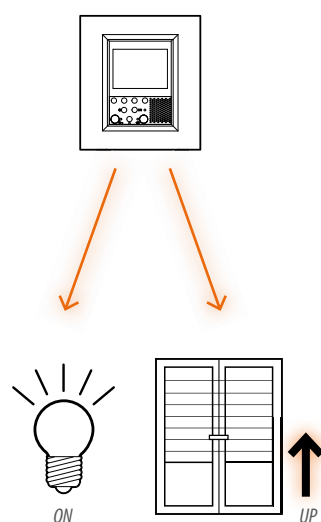


PAGER FUNCTION IN SYSTEMS INTEGRATED WITH SOUND SYSTEM

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.

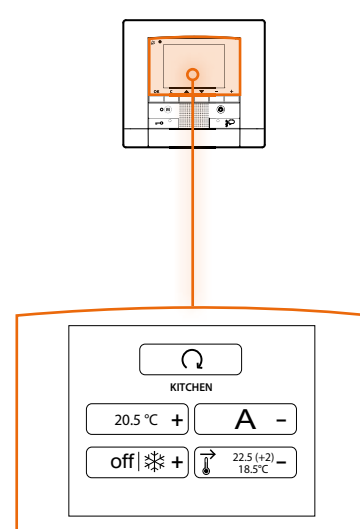
NOTE: function possible by configuring the video handsets using the software supplied with the product.



SCENARIO CONTROL FUNCTION IN SYSTEMS INTEGRATED WITH AUTOMATION SYSTEM

From the video handsets, it is possible to recall the scenarios saved in the 03551 scenarios.

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.

TECHNICAL DATA

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

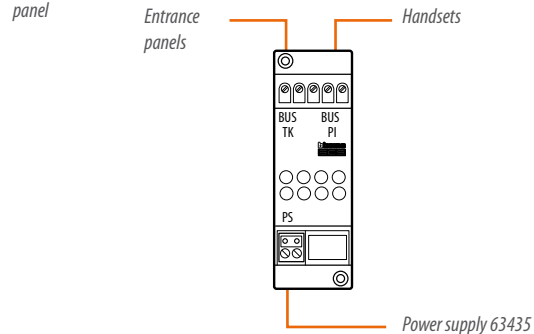
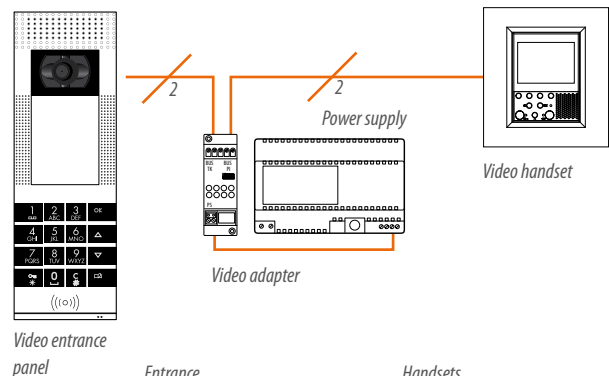
In order to install a system it is necessary to purchase, in addition to the entrance panel and the handset, also the 63434 video adapter, or the 573998 audio/video node, and the 63432 floor shunt with the function of distributing the video signal.

VIDEO ADAPTER

The video adapter is used to connect entrance panels and handsets to a 2 wire video system

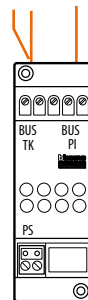
A maximum of 3 connections are allowed on the video adapter.

VIDEO ADAPTER



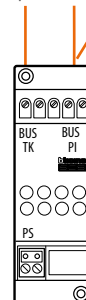
A maximum of 3 connections are allowed on the video adapter.

(*) Entrance panels Handsets



Connection of 2 entrance panels and a riser for the handsets

Entrance panel 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.

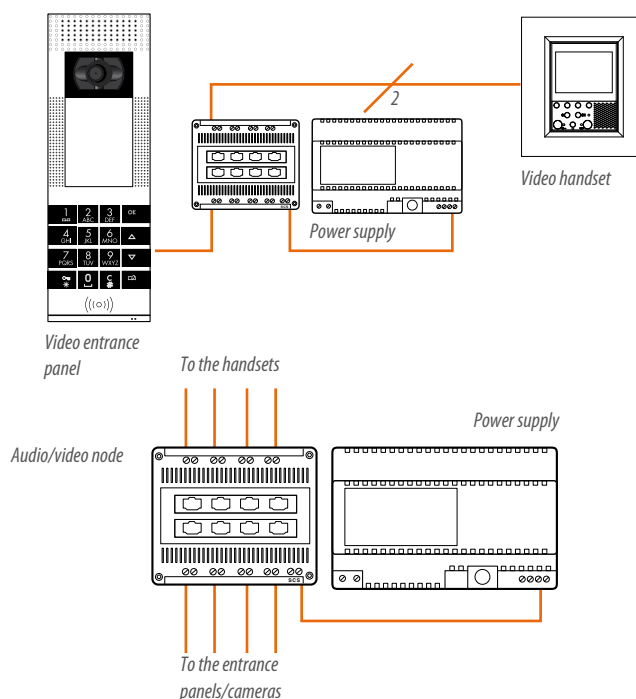
AUDIO/VIDEO NODE OR VIDEO MATRIX

The 573998 audio/video node and the 03584 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.

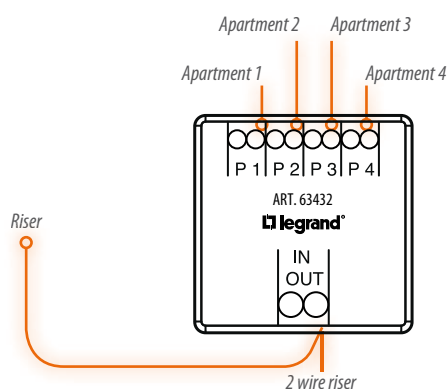
AUDIO/VIDEO NODE



FLOOR SHUNT

When creating video systems, the use of the floor shunt, item 63432 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

TECHNICAL DATA

System composition

SYSTEM EXPANSION MODULE

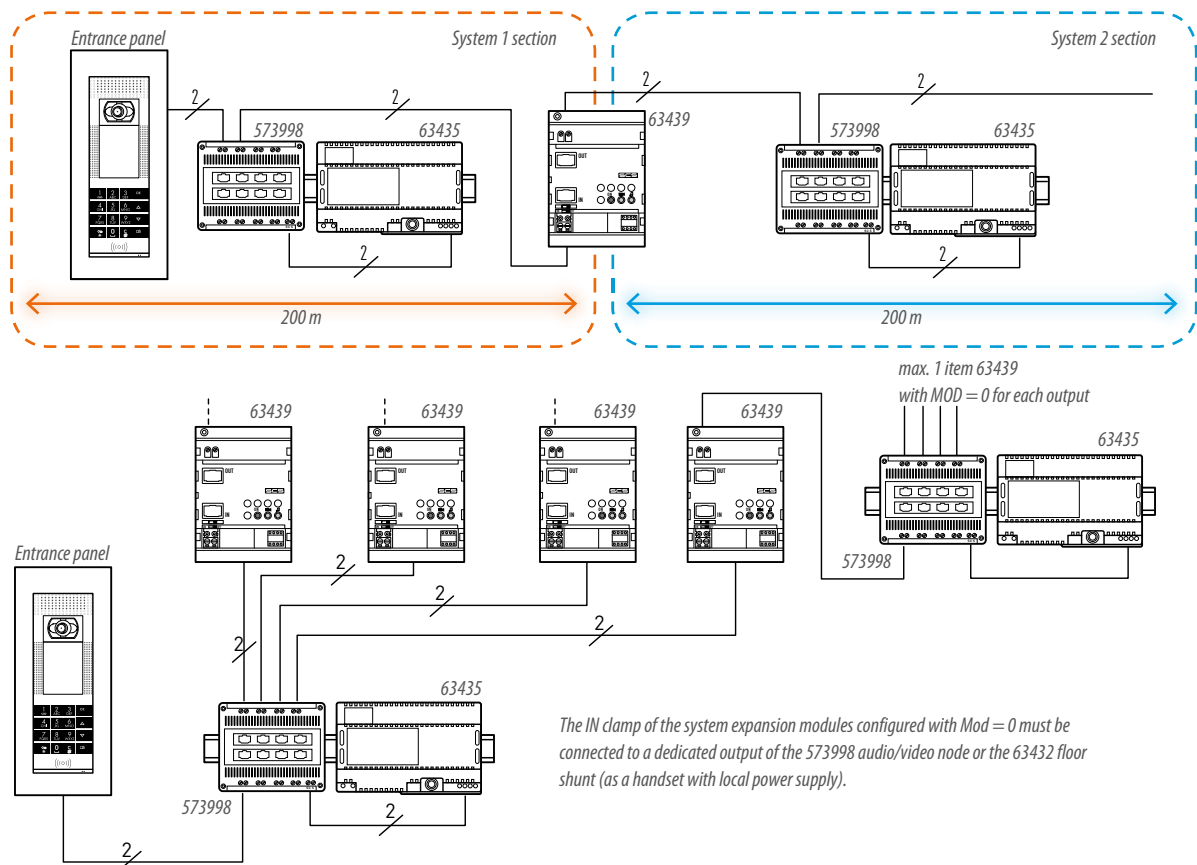
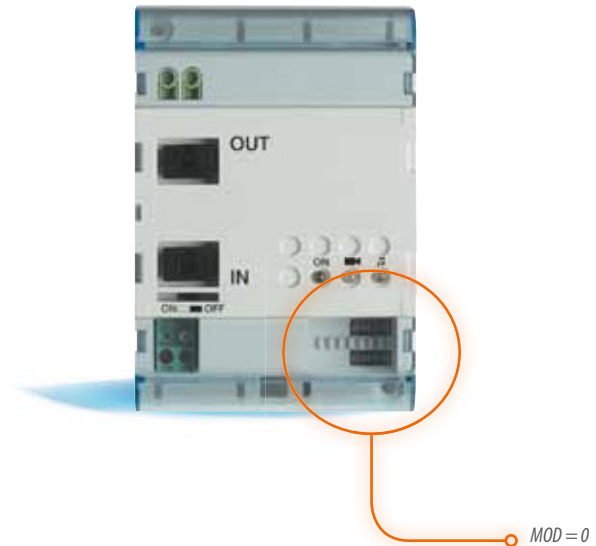
63439 IN MOD = 0

(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 573999 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 63439 must be considered as a handset. On the other side, within the system 2 section it should be considered as an entrance panel.

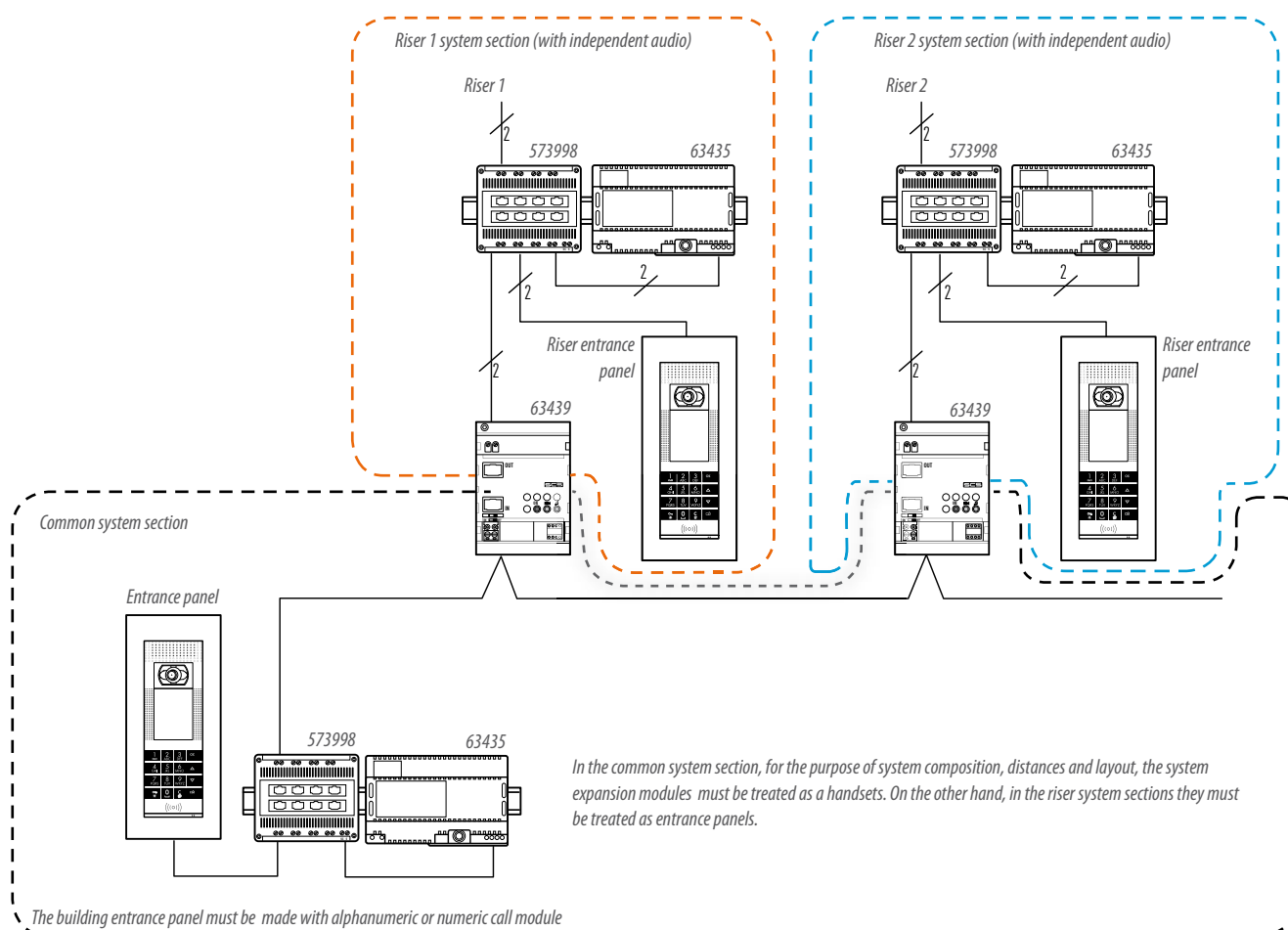
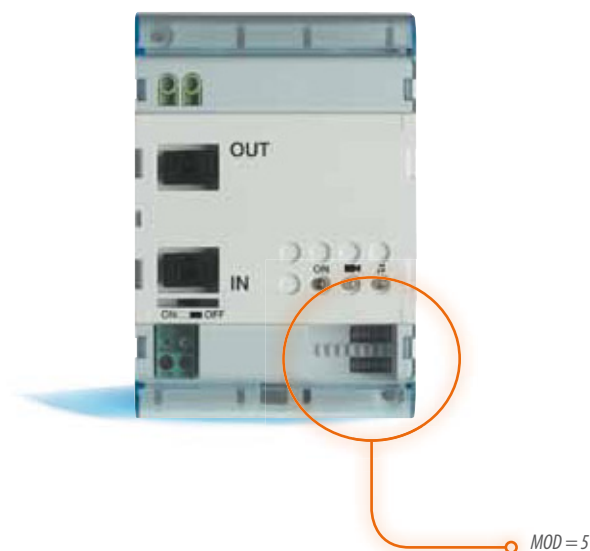


SYSTEM EXPANSION MODULE

ITEM 63439 IN MOD = 5

(INDEPENDENT RISER MODE)

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



TECHNICAL DATA

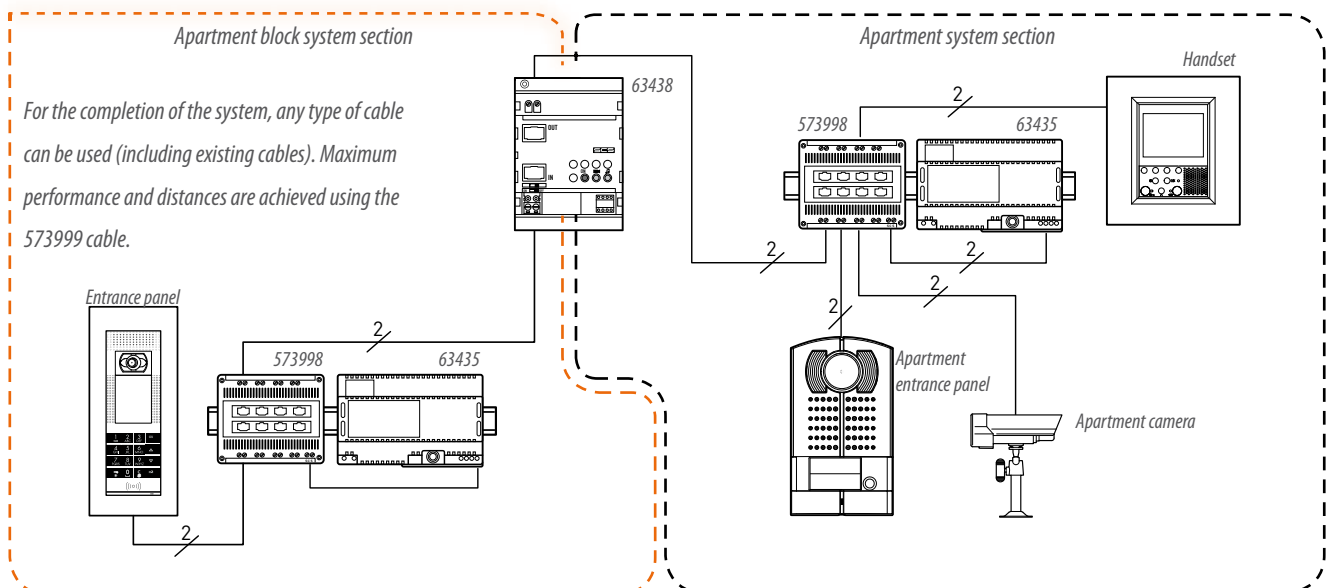
System composition

APARTMENT INTERFACE

ITEM 63438

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 63438 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.



TECHNICAL DATA

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.

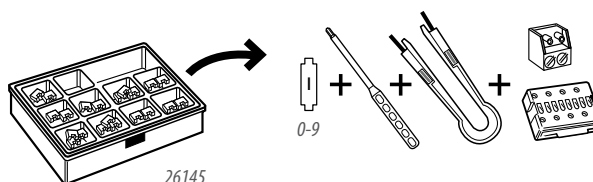
The numeration of the EP (0-96) is generally identified by P, while the address of the handsets (0-99) is identified by N.

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.

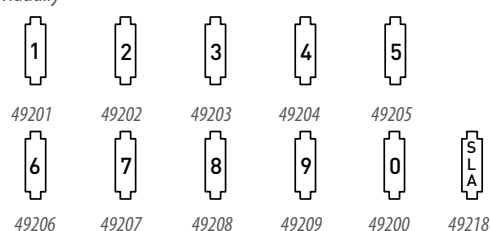
On the handsets in addition to the N address, it is necessary to configure in P the EP associated to the same handset, or the entrance panel on which the door lock and auto-switching ON controls work when the handset is switched OFF.

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.

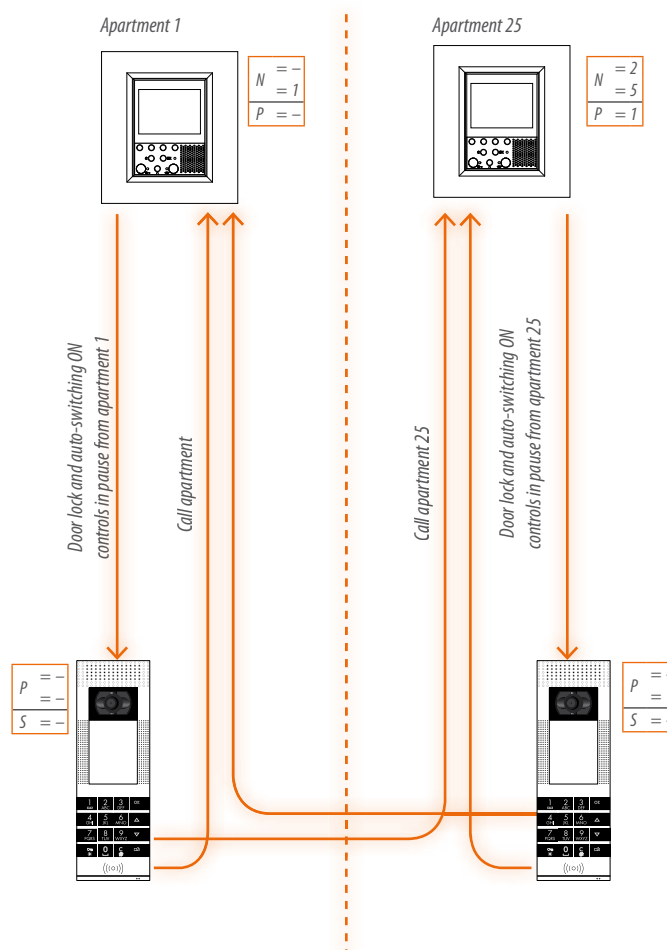
The configurators can be purchased in a case



or individually



Example of configured system and its operation



TECHNICAL DATA

Configuration

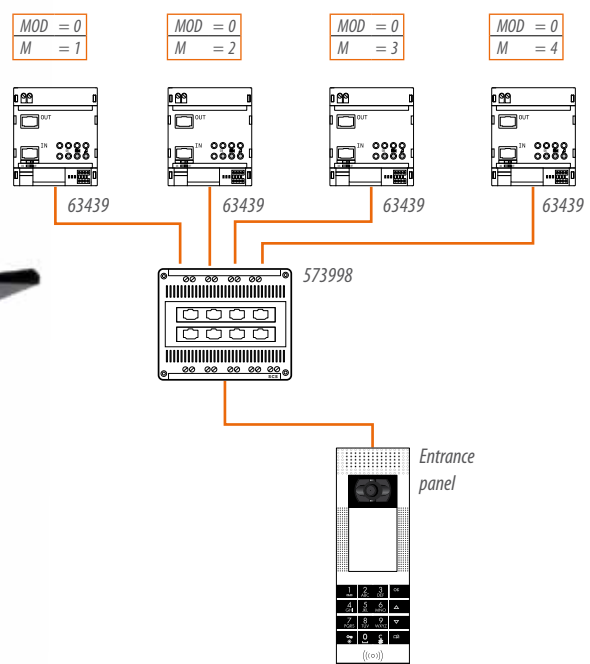
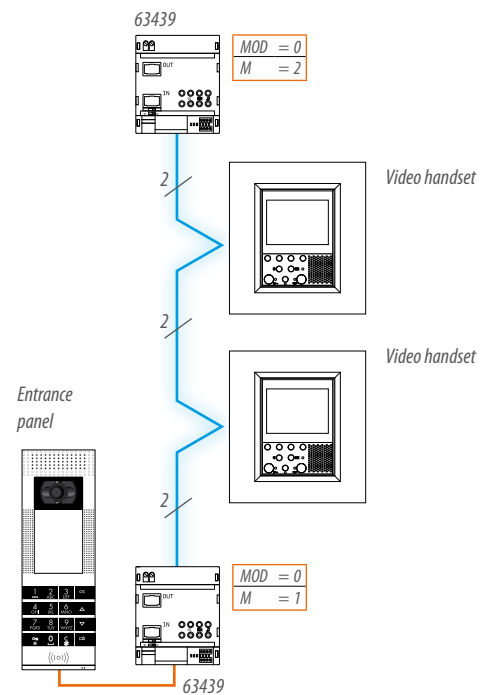
SYSTEM EXPANSION MODULE

ITEM 63439

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)

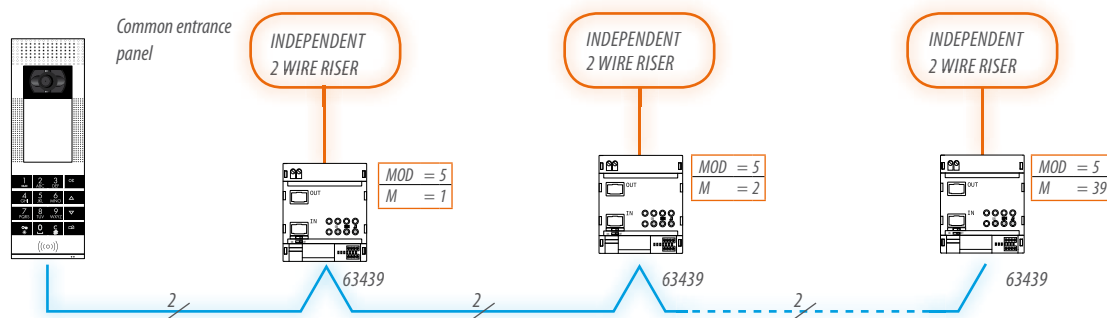
MOD = 0 for system expansion

M = specific progressive number for interface



MOD = 5 for independent audio risers

M = specific progressive number indicating the riser number



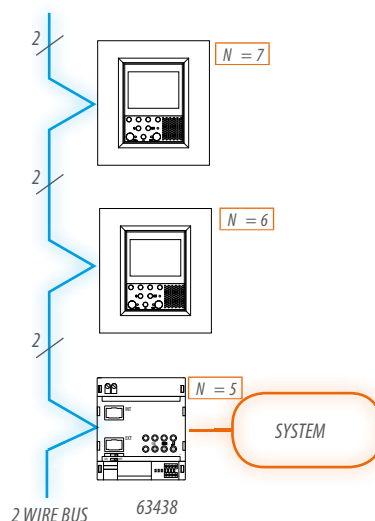
For the common entrance panel, the handsets have address $M \text{ (riser number)} \times 100 + N \text{ (handset for the riser)}$.

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

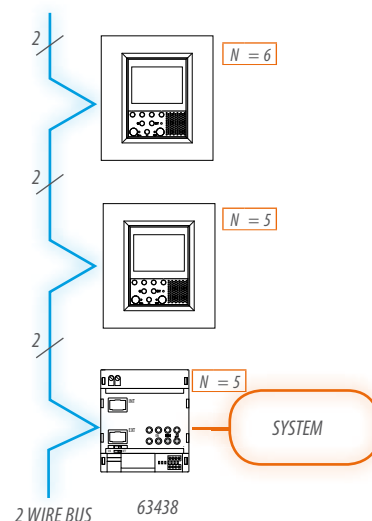
APARTMENT INTERFACE 63438

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.

Correct configuration



Wrong configuration



TECHNICAL DATA

The wiring

SYSTEM WIRING

The systems can also be wired in 2 modes:

- in-out wiring
- STAR wiring with floor shunt 63432 (**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

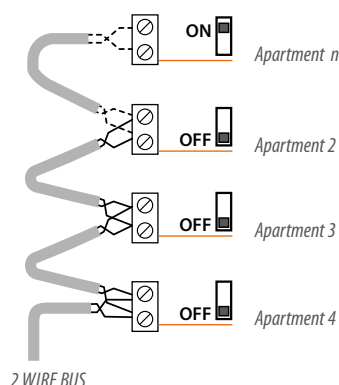
The star wiring is made connecting the individual apartment to an output of the floor distribution block Item 63432.

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.

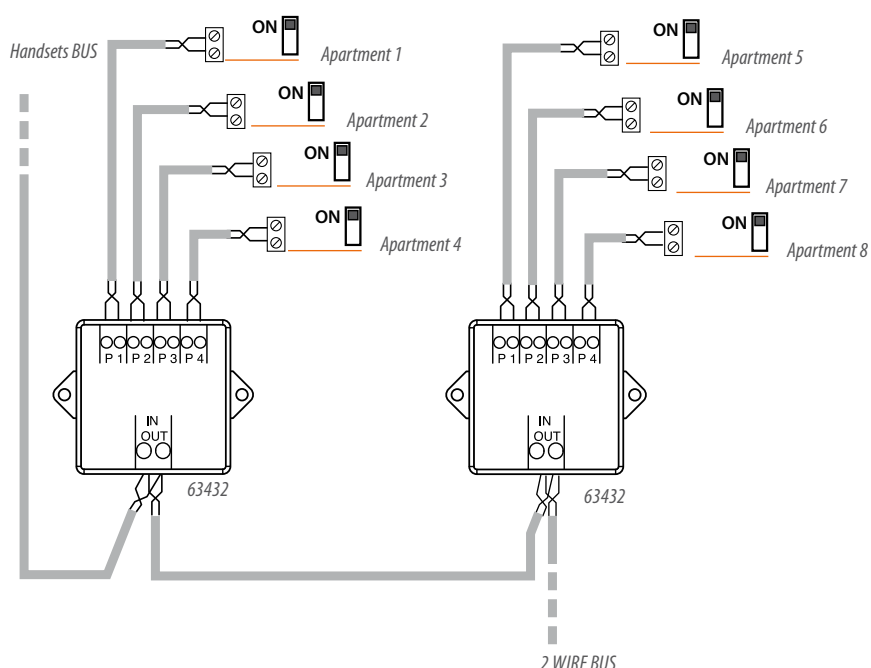
An output of the floor distribution block must be dedicated to each handset with simultaneous switching on or table-top base installation.



IN-OUT wiring



STAR wiring



COMBINED WIRING

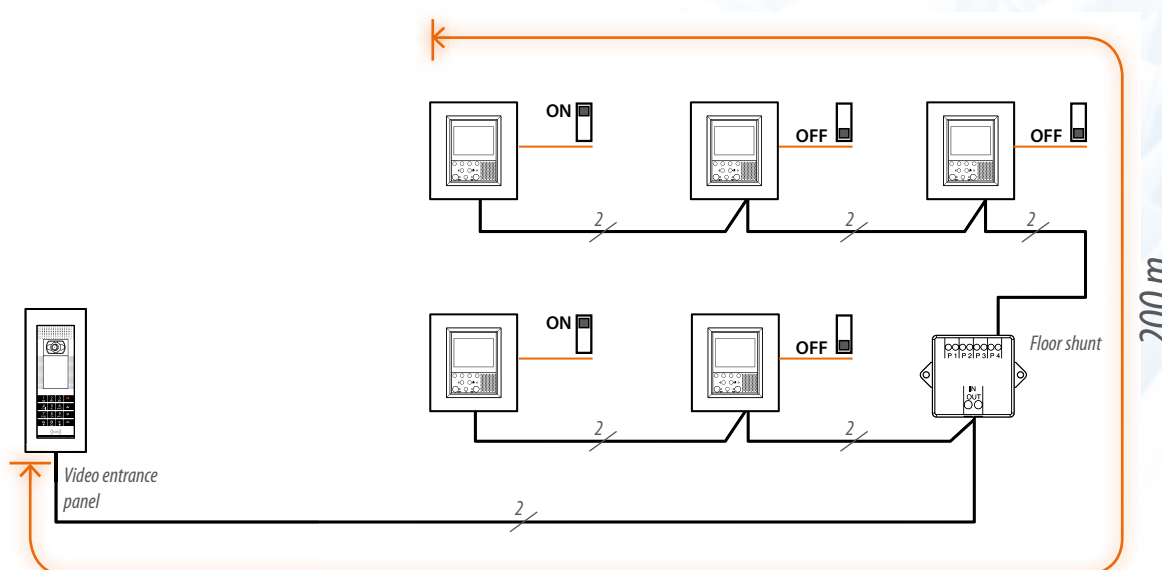
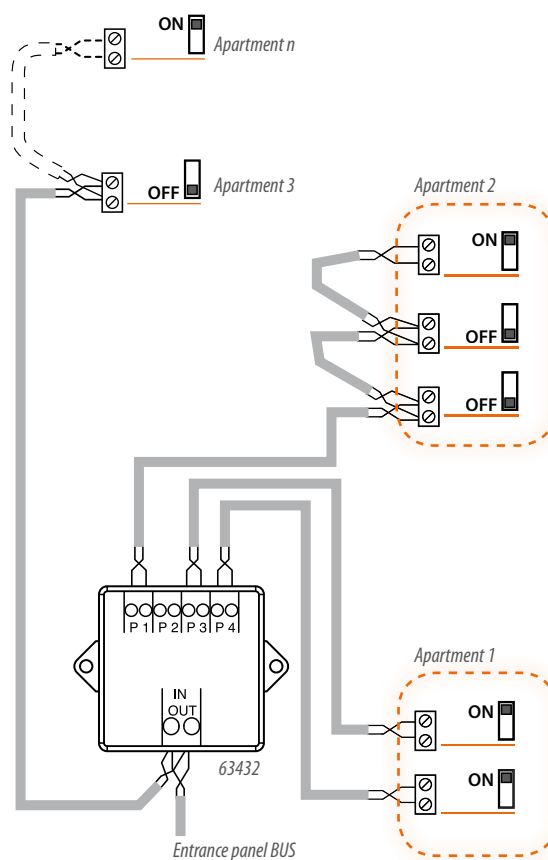
Both wiring methods described previously can be used together, for the realization of more articulated systems.

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 63438).

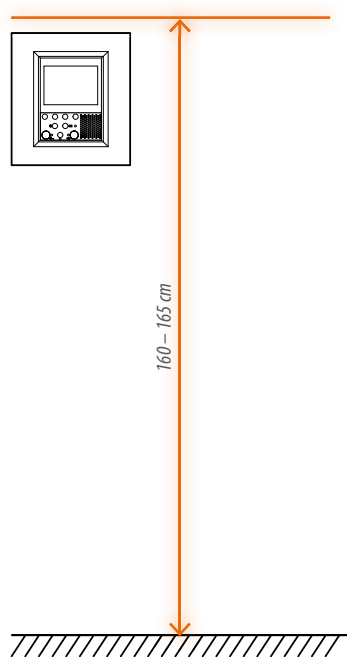
To the Bus handset can be connected in IN-OUT floor distribution blocks or handsets.

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



TECHNICAL DATA

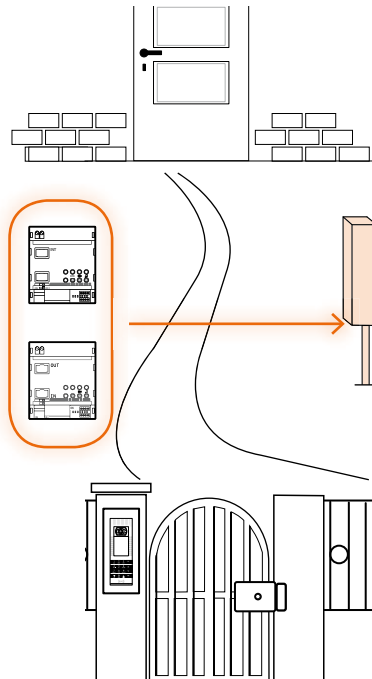
Installation of entrance panels, handsets and interfaces



HEIGHT OF THE HANDSET

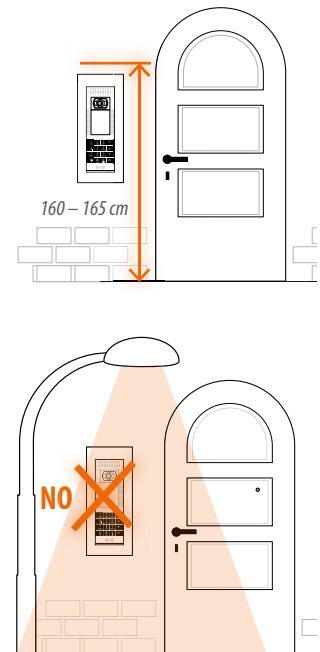
When installing the handsets, including standard or video handsets, it is recommended that the devices are positioned at a height of 160 – 165 cm (top edge).

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



INTERFACES ITEM 63438 AND 63439

The interfaces item 63438 (apartment interface) and item 63439 (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.

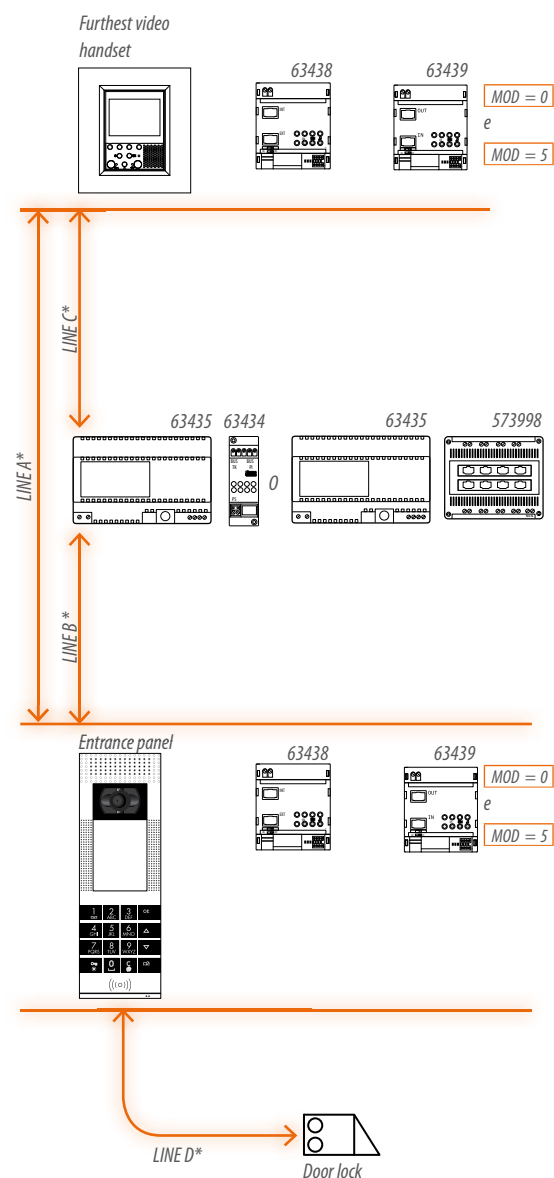
In scarcely lit areas, the installation of an additional light source is recommended.

TECHNICAL DATA

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 mm ²	2 normal cables > 0.2 mm ²	573999	twisted telephone pair 0.28 mm ²	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 mm ²	2 normal cables > 0.2 mm ²	573999	twisted telephone pair 0.28 mm ²	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 mm ²	2 normal cables > 0.2 mm ²	573999	twisted telephone pair 0.28 mm ²	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 mm ²	0.28	Legrand SCS cable - item 573999	1
S+ S- clamps	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 Legrand cable 573999)

TECHNICAL DATA

System performance

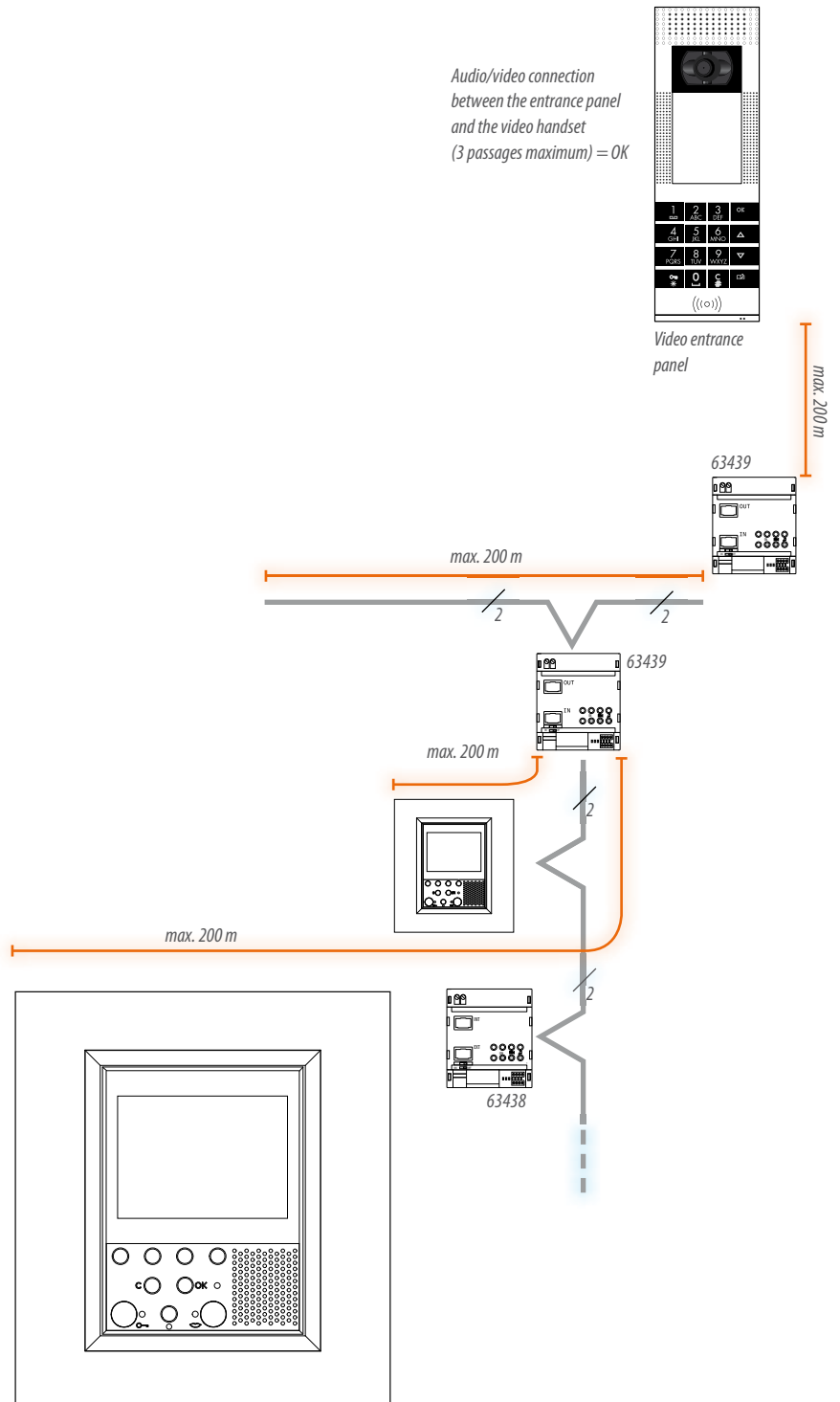
SYSTEM WITH APARTMENT INTERFACE AND SYSTEM EXPANSION MODULE

Up to 3 interfaces, items 63438 and 63439 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.

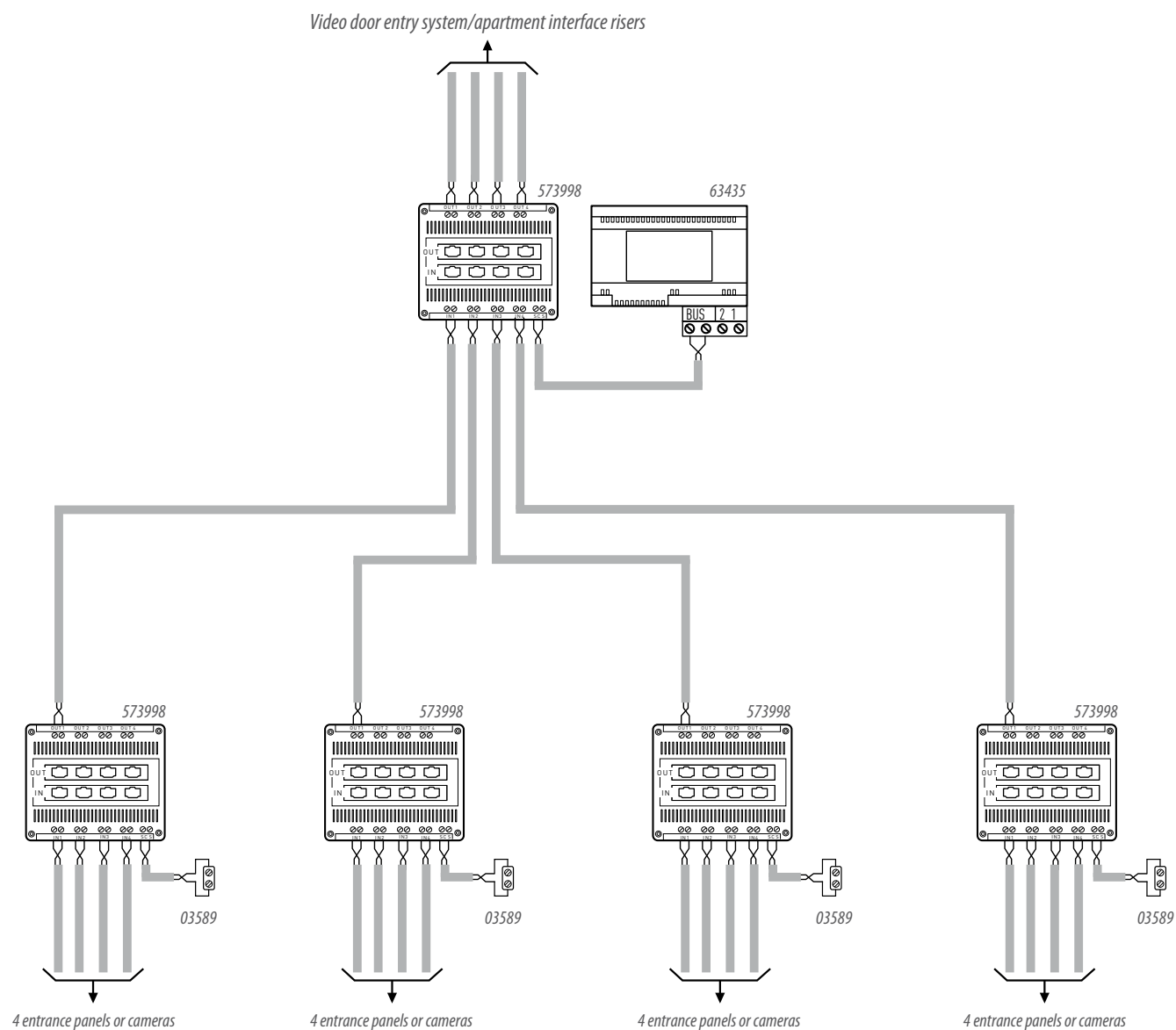
The maximum distance between EP and the furthest handset is 600 metres. Each LINE (EP – INTERFACE), (INTERFACE – INTERFACE) and (INTERFACE – H) must be 200 metres maximum (with Legrand cable 573999).

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.

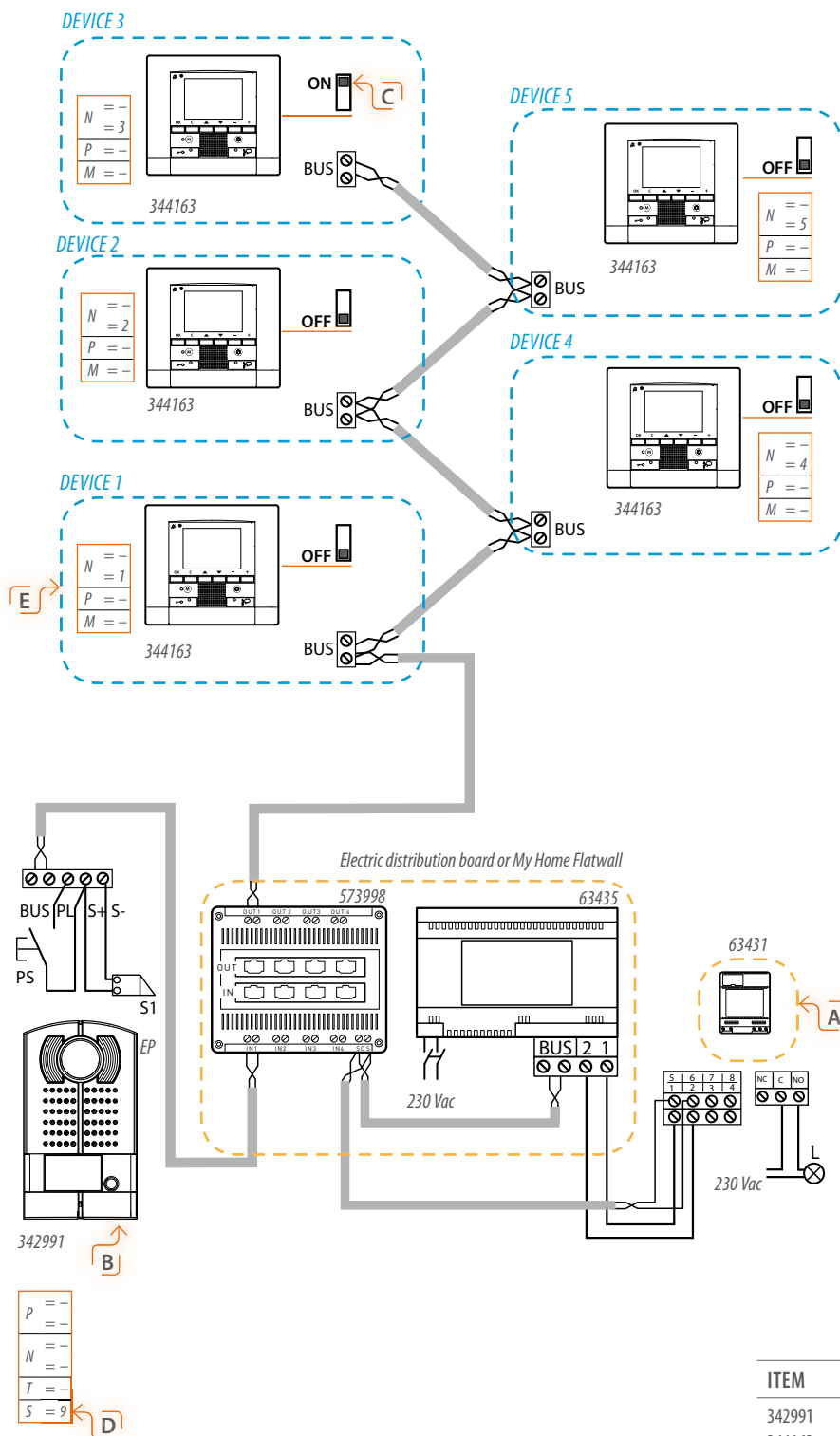
It must also be connected to an output of the Audio/video node 573998, or the Floor shunt 63432.



CONNECTION OF 16 AUDIO /VIDEO ENTRANCE PANELS OR CAMERAS



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



WARNING

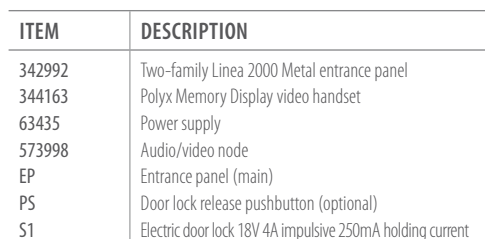
- Configure the handsets starting from N = 1
- Configure and insert the Jumpers with the system SWITCHED OFF. Also every time the configuration is modified the power supply to the system must be switched off and on again, waiting about 1 minute.
- The intercom function is operating even with a lack of 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)

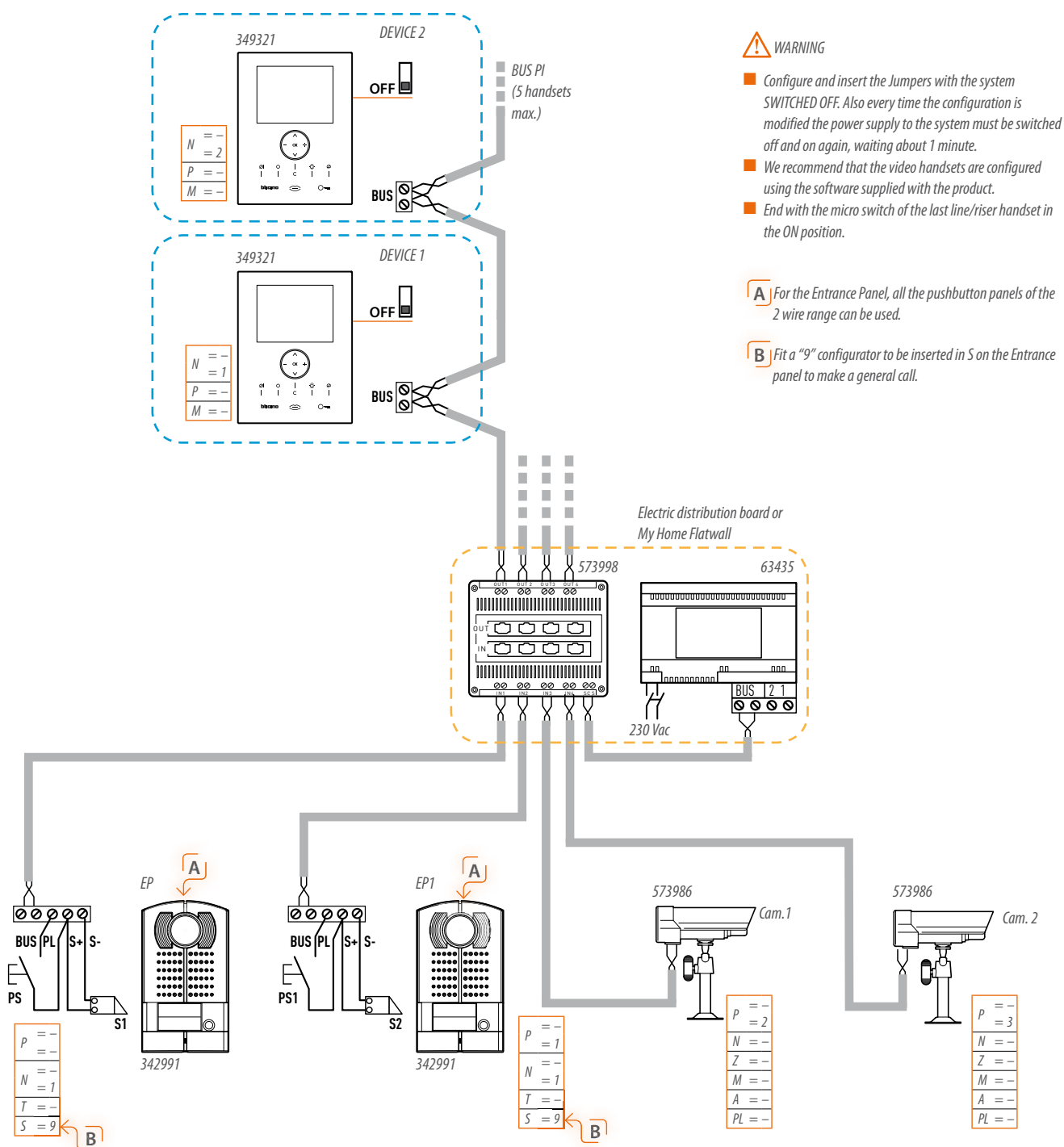
ITEM	DESCRIPTION
342991	Linea 2000 Metal EP
344163	Polyx Memory Display video handset
63431	Staircase light actuator (optional)
63435	Power supply
573998	Audio/video node
L	Staircase light
EP	Entrance panel
PS	Door lock release pushbutton (optional)
S1	Electric door lock 18V 4A impulsive 250mA holding current

 WARNING

- 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)

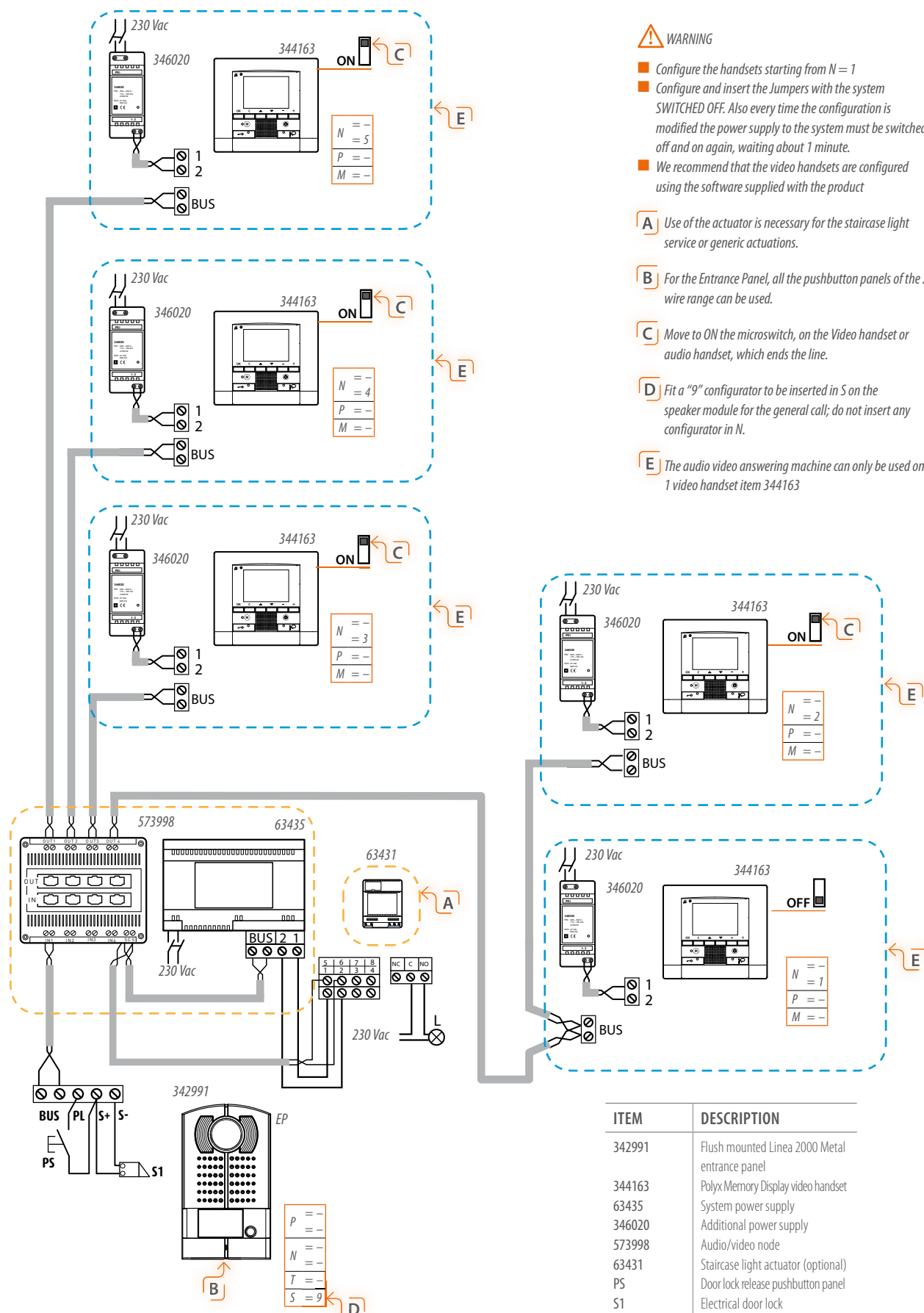


One-family system with 2 EP and 2 outdoor cameras

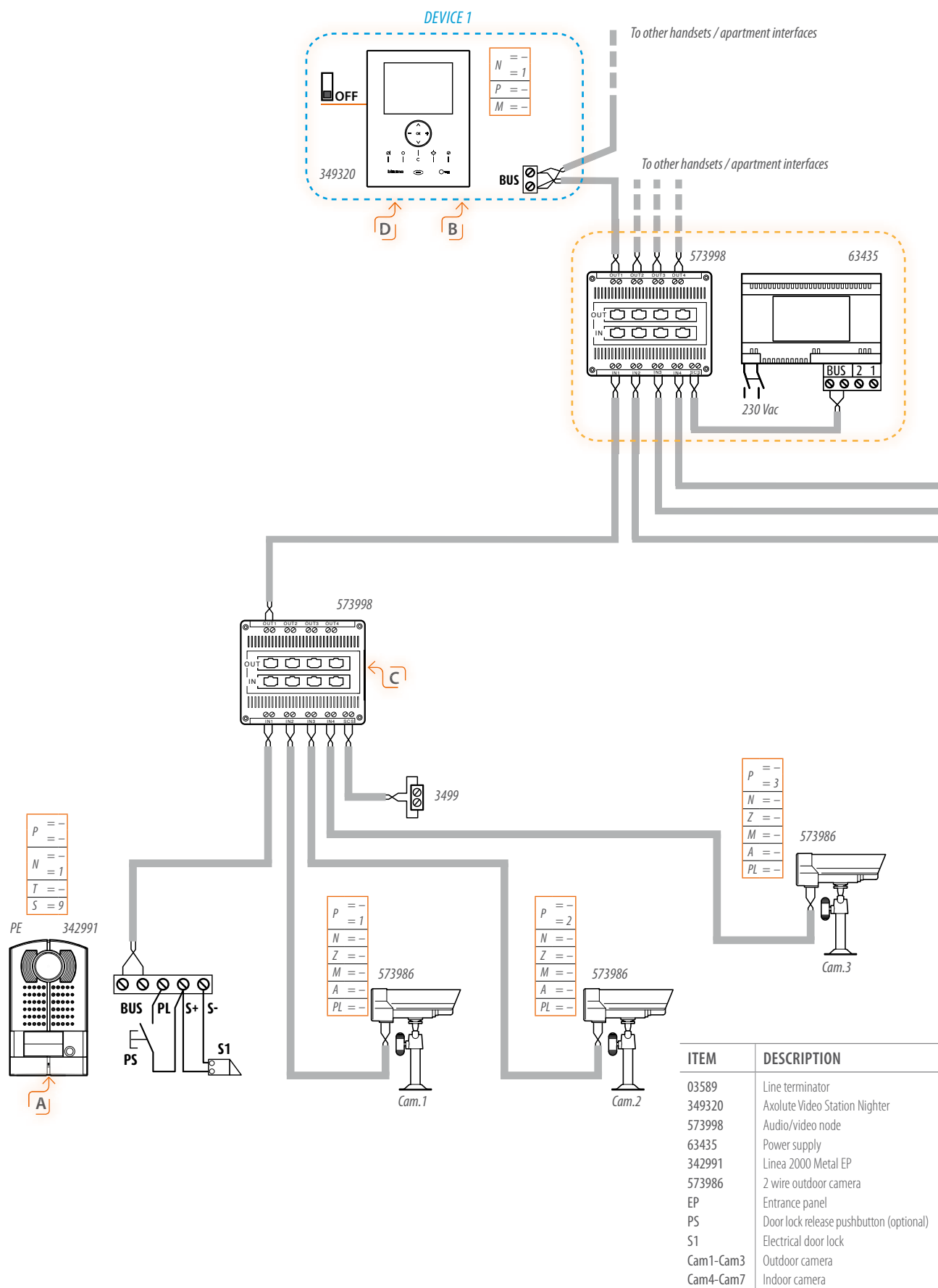


ITEM	DESCRIPTION
342991	Linea 2000 Metal entrance panel
349321	Whice Axolute Video Station
573986	2 wire outdoor camera
63435	Power supply
573998	Audio/video node
PE-PE1	Entrance panel
PS-PS1	Door lock release pushbutton (optional)
S1-S2	Electric door lock 18V 4A impulsive 250mA holding current
Cam.1-Cam.2	2 wire outdoor camera

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



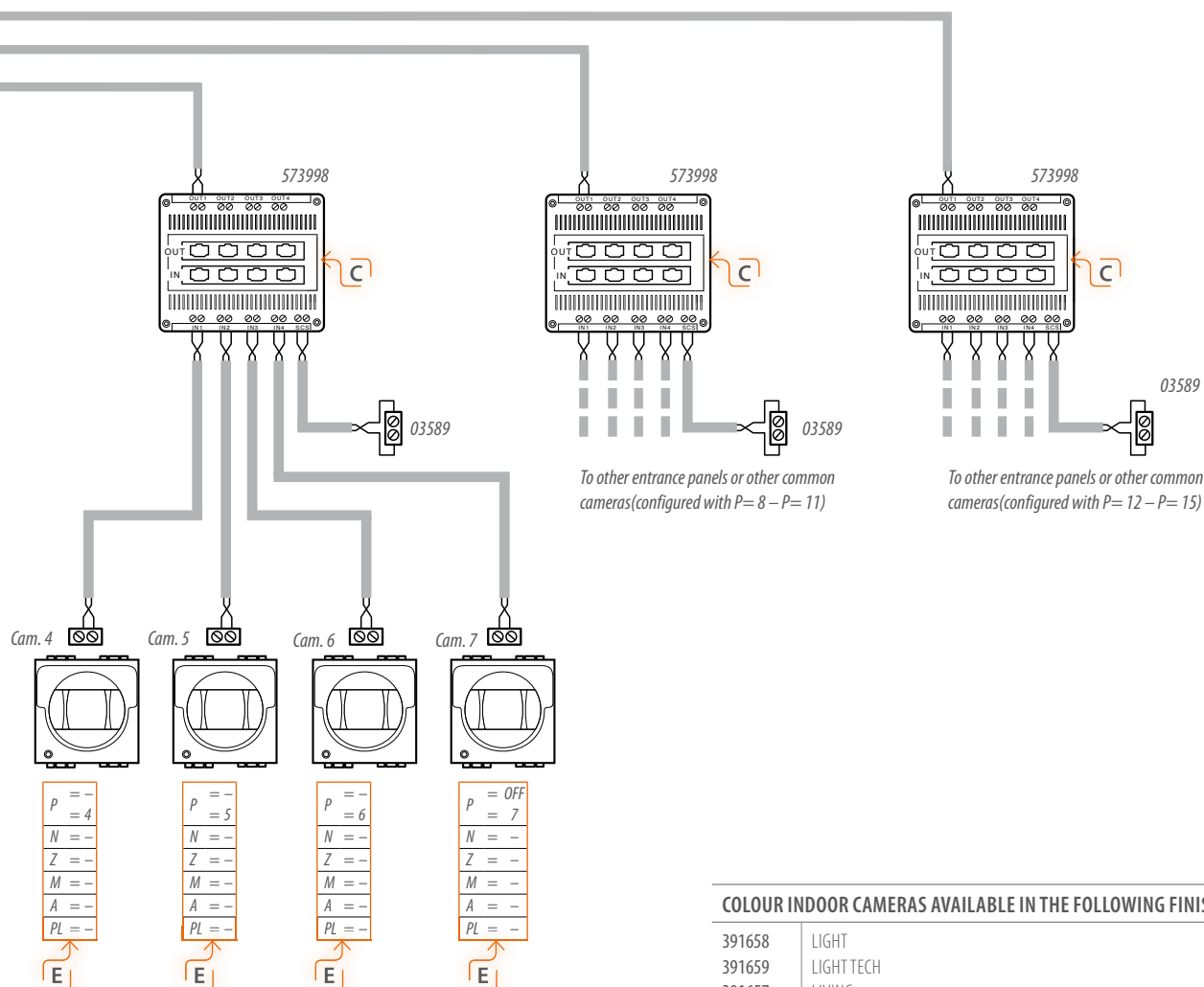
One-family system with max. 16 cameras or entrance panels



⚠ 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 03589 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

CONTENTS

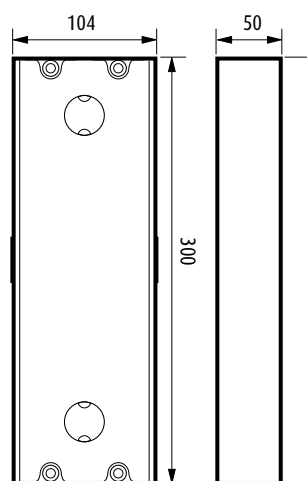
2 WIRE CATALOGUE - DIMENSIONAL DATA

Entrance panels _____	89
Handsets _____	93
Accessory devices in BASIC housing _____	96
Accessory devices in DIN housing _____	96
Melodic and extra bells _____	98
Indoor cameras (flush mounted) _____	98
Outdoor camera _____	98

DIMENSIONAL DATA

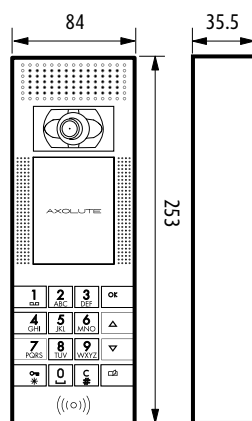
AXOLUTE OUTDOOR entrance panels

FLUSH MOUNTED BOX



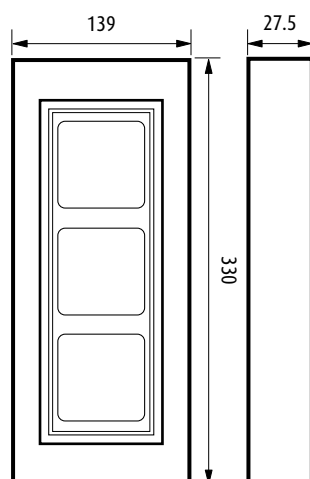
339313

ELECTRONIC MODULE



349140

SURROUND PLATES + FRAME



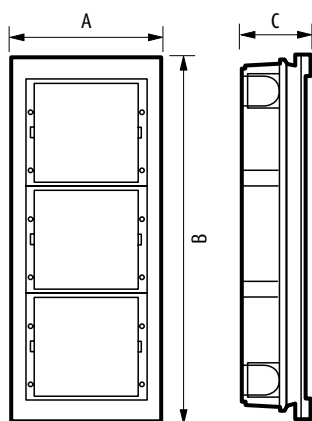
339213
Steel surround plate.
Protrusion from the wall: 11 mm

NOTE: dimensions in mm

DIMENSIONAL DATA

SFERA entrance panels

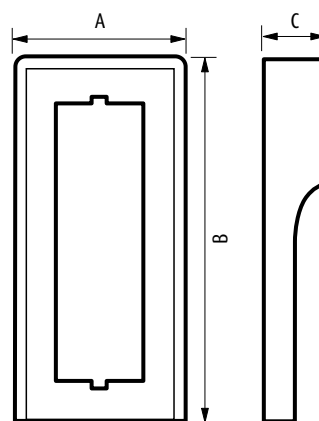
FLUSH MOUNTED BOXES



DIMENSIONS IN mm

Item	A	B	C
331110	117	123	45
331120	117	214	45
331130	117	306	45

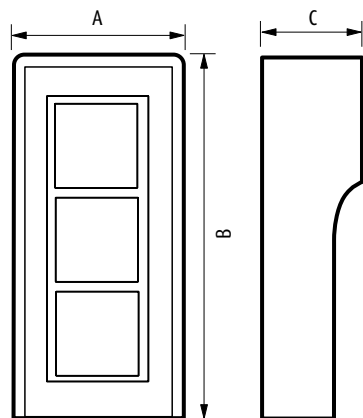
SFERA MODULAR RAINSHIELDS



DIMENSIONS IN mm

Item	A	B	C
331411	151	151	50
331421	151	242	50
331431	151	334	50
331441	290	242	50
331461	290	334	50
331491	430	334	50

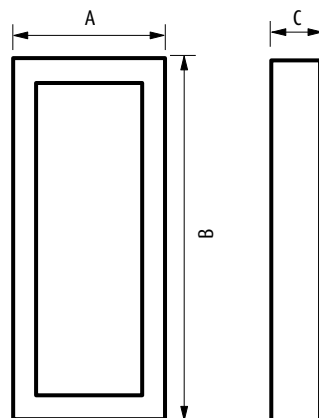
MODULAR SFERA WALL MOUNTED ENCLOSURES



DIMENSIONS IN mm

Item	A	B	C
331311	150	154	92
331321	150	245	92
331331	150	337	92
331341	289	245	92
331361	289	337	92
331391	428	337	92

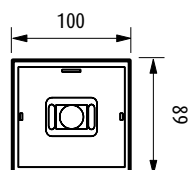
SFERA MODULAR SURROUND PLATES



DIMENSIONS IN mm

Item	A	B
331211	140	142
331221	140	233
331231	140	325
331821	125	233
331831	125	325

SFERA ALL FUNCTION MODULES

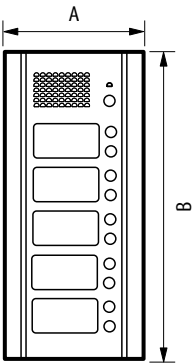


NOTE: dimensions in mm

DIMENSIONAL DATA

SFERA entrance panels

MONOBLOC SFERA FRONT COVERS



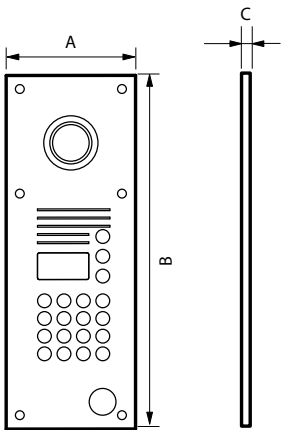
DIMENSIONS IN mm

No. of modules A
B

1	140	142
2	140	233
3	140	325

VANDAL-RESISTANT SFERA

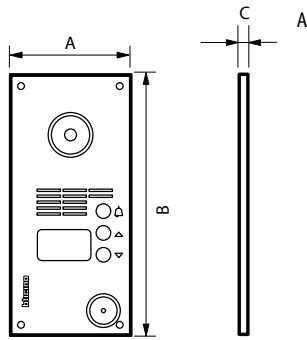
Video and keypad pushbutton panels



DIMENSIONS IN mm

Item	A	B	C
333915	150	401.5	5

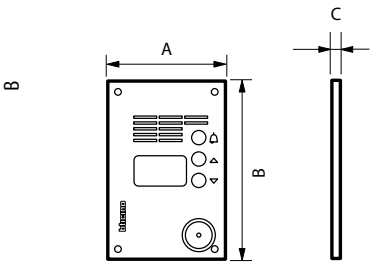
Video pushbutton panels



DIMENSIONS IN mm

Item	A	B	C
333914	40	284	4

Audio pushbutton panels



DIMENSIONS IN mm

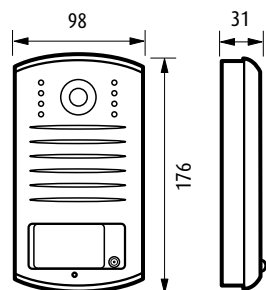
Item	A	B	C
333714	150	198	4

NOTE: dimensions in mm

DIMENSIONAL DATA

LINEA 2000 entrance panels

AUDIO AND VIDEO PUSHBUTTON PANELS

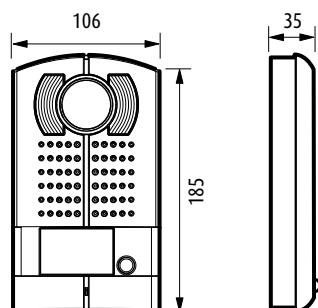


342951 342911
342961 342921

NOTE: dimensions in mm

LINEA 2000 METAL entrance panels

WALL AUDIO AND VIDEO PUSHBUTTON PANELS

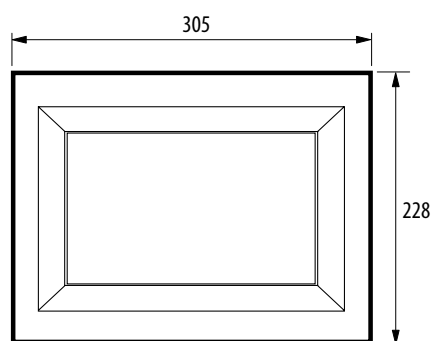


342991 342981 342971
342992 342982 342972

DIMENSIONAL DATA

AXOLUTE handsets

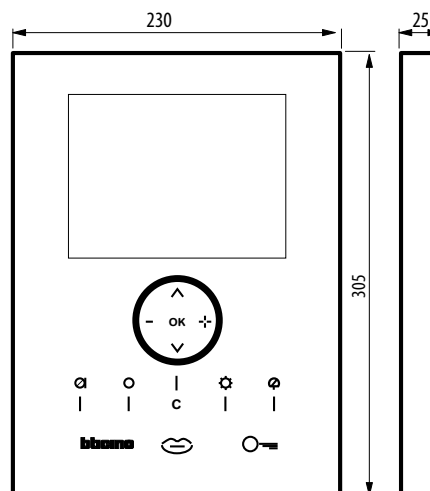
MULTIMEDIA TOUCH SCREEN



HD4690 - HC4690 - HS4690

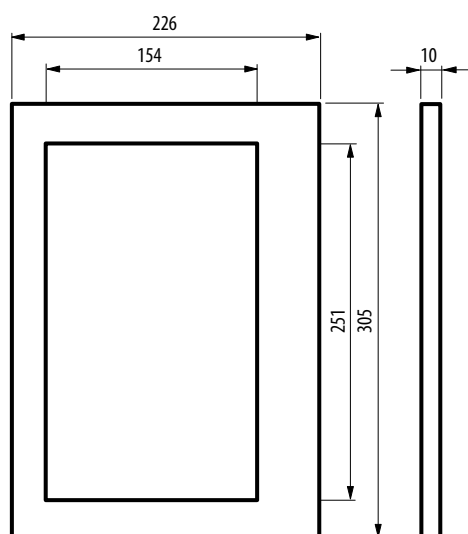


NIGHTER AND WHICE VIDEO STATION

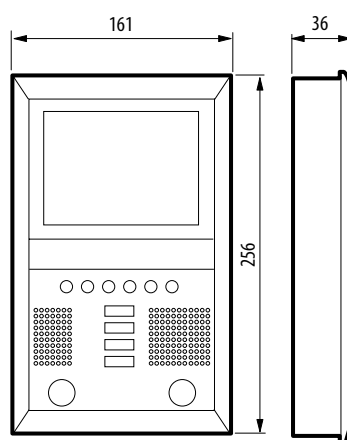


349320
349321

VIDEO STATION



349210 - 349211 - 349212



349310

NOTE: dimensions in mm

DIMENSIONAL DATA

AXOLUTE handsets

AXOLUTE VIDEO DISPLAY

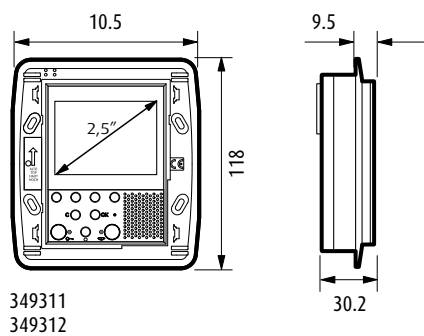
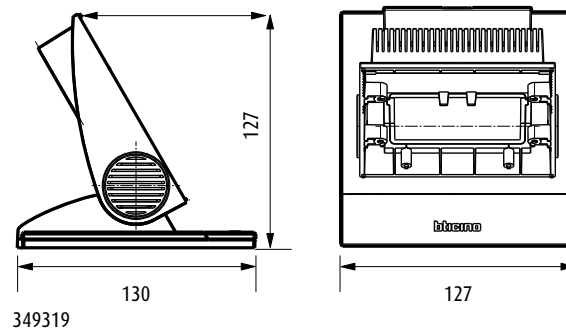


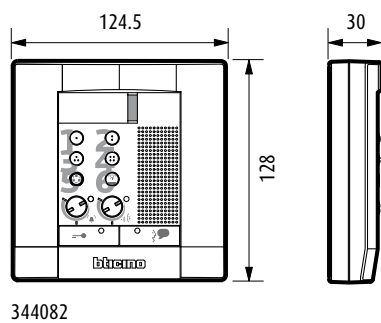
TABLE-TOP BASE

For AXOLUTE VIDEO DISPLAY

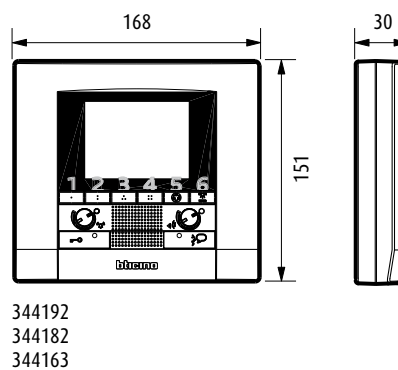


POLYX handsets

POLYX AUDIO



POLYX VIDEO - POLYX MEMORY DISPLAY

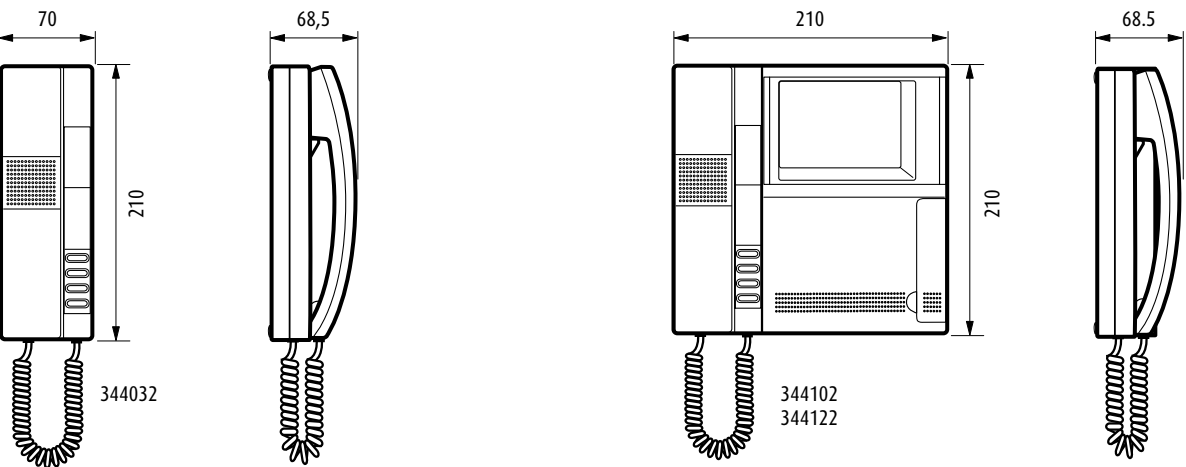


NOTE: dimensions in mm

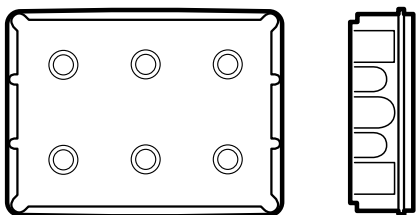
DIMENSIONAL DATA

PIVOT handsets

PIVOT AUDIO AND VIDEO HANDSET



MULTIBOX FLUSH MOUNTED BOXES



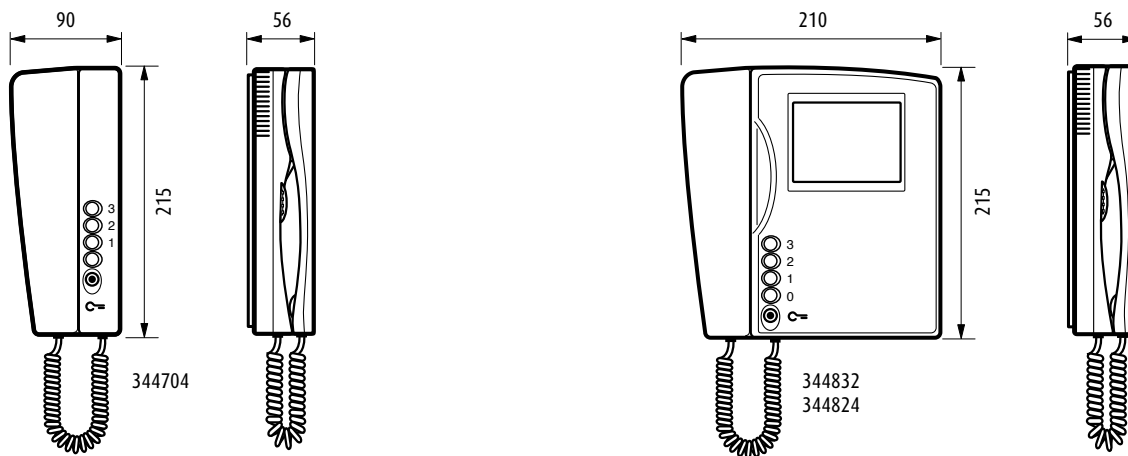
Item	Internal dimensions (mm)	External dimensions (mm)
16101	84x218x69	110x243x70
16103	224x218x69	250x243x70

NOTE: dimensions in mm

DIMENSIONAL DATA

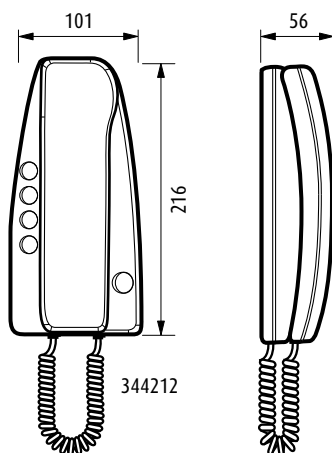
SWING handsets

SWING AUDIO AND VIDEO HANDSETS



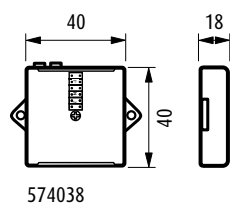
SPRINT handsets

SPRINT AUDIO HANDSETS

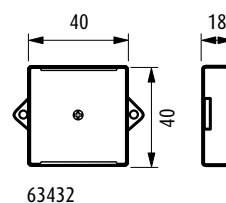


Devices in BASIC housing

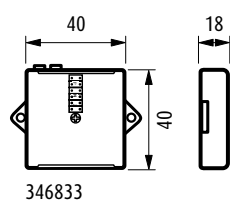
COAX INTERFACE - 2 WIRES



VIDEO SHUNT - 2 WIRES



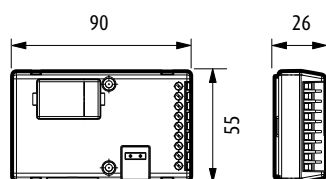
FLOOR CALL INTERFACE



DIMENSIONAL DATA

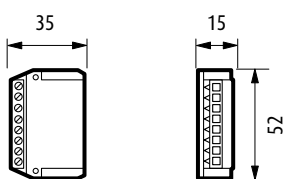
Devices in BASIC housing

UNIVERSAL SPEAKER MODULE



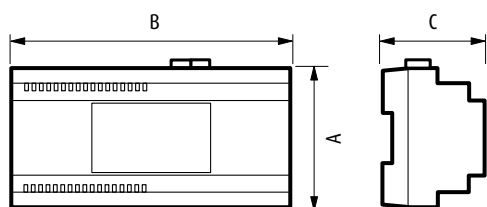
346991

LINE AMPLIFIER



346870

DIN RAIL DEVICES



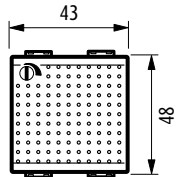
Item	Dimensions (mm)			No. of DIN modules
	A	B	C	
63435	90	140	61	8
63442	105	35	30	2
346030	105	35	30	2
63431	90	72	61	4
63433	105	35	30	2
346260	105	70	30	4
63434	105	35	30	2
63438	90	72	30	4
63439	90	72	30	4
574039	90	175	60	10
573998	90	105	30	6
03584	90	175	30	10
F442	90	105	30	6

NOTE: dimensions in mm

DIMENSIONAL DATA

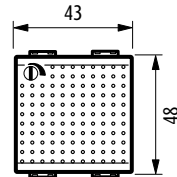
Bells and cameras

MELODIC BELLS



346982
346983
346984

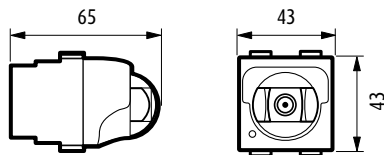
EXTRA BELLS



336992
336993
336994

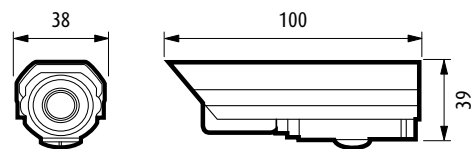
FLUSH MOUNTED INDOOR CAMERAS

LIVING, LIGHT, LIGHT TECH and AXOLUTE cameras



391657 391667
391658 391668
391659 391669

OUTDOOR CAMERA



391670

NUMERIC INDEX

Item	Catalogue page	Dimensional data page
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26145	43	-
49200	43	-
49201	43	-
49202	43	-
49203	43	-
49204	43	-
49205	43	-
49206	43	-
49207	43	-
49208	43	-
49209	43	-
63431	41	97
63432	42	96
63433	41	97
63434	40	97
63435	40	97
63438	41	97
63439	41	97
63442	40	97
331110	50	90
331120	49	90
331130	17	90
331311	17	90
331321	17	90
331331	17	90
331341	17	90
331361	17	90
331391	17	90
331411	17	90
331421	17	90
331431	17	90
331441	17	90
331461	17	90
331491	17	90
332650	14	-
333714	15	91
333914	15	91
333915	15	91
336842	52	-
336910	44	-

Item	Catalogue page	Dimensional data page
336982	35	-
336992	44	98
336993	44	98
336994	44	98
337102	35	-
337122	35	-
337242	38	-
339213	12	89
339313	12	89
342150	17	-
342170	13	-
342200	13	-
342240	13	-
342350	17	-
342480	17	-
342510	14	-
342550	14	-
342560	17	-
342600	14	-
342610	14	-
342630	13	-
342640	13	-
342911	24	92
342921	24	92
342951	24	92
342961	24	92
342971	23	92
342972	23	92
342981	23	92
342982	23	92
342991	23	92
342992	23	92
344032	35	95
344082	34	94
344102	35	95
344122	35	95
344163	34	94
344182	34	94
344192	34	94
344212	38	96
344704	37	96

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344832	37	96
345829	40	-
346000	47	-
346010	25	-
346020	85	-
346030	40	97
346220	14	-
346250	42	-
346260	41	97
346300	38	-
346310	38	-
346812	35	-
346830	47	-
346833	42	96
346860	63	-
346870	42	97
346902	42	-
346903	42	-
346907	42	-
346982	44	98
346983	44	98
346984	44	98
346991	43	97
346992	43	-
348200	12	-
348201	12	-
348202	12	-
348203	12	-
348204	12	-
348205	12	-
348206	12	-
348402	12	-
349140	12	89
349210	32	93
349211	32	93
349212	32	93
349310	32	93
349311	33	94
349312	33	94
349319	33	94

Item	Catalogue page	Dimensional data page
349320	32	93
349321	32	93
363811	52	-
365411	50	-
366311	50	-
367211	51	-
367511	49	-
368111	52	-
368911	47	-
369111	49	-
369211	51	-
369411	47	-
391657	44	98
391658	44	98
391659	44	98
391667	44	98
391668	44	98
391669	44	98
391670	-	98
573986	44	-
573998	40	-
574039	41	97
16101LT	36	-
16103LT	36	-
F442	42	97
HA4690LTK	31	-
HA4690VBB	31	-
HA4690VNB	31	-
HA4690VSW	31	-
HA4690XC	31	-
HC4690	31	93
HD4690	31	93
HS4690	31	93
PLT1	40	-

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