AUDIO & VIDEO DOOR ENTRY SYSTEMS

CATALOGUE

DOOR ENTRY SOLUTIONS
FOR SINGLE HOUSES
AND MULTI-RESIDENTIAL
BUILDINGS

THE GLOBAL SPECIALIST IN DOOR ENTRY SYSTEMS

bticino

BTICINO

Specialists in Video Door Entry Systems

BTicino, introduces a complete range of products and systems capable of meeting all application and building requirements. From single homes to larger buildings and multi-residential complexes. BTicino offers the right solution to satisfy both the professional and the end user.

Index

DIFFERENT
SOLUTIONS
FOR DIFFERENT
APPLICATIONS

From single homes to large buildings

Single homes   Small buildings   Multi-residential

Different types of construction mean different types of offers

PLUG-IN KITS
for standard level single home

2 WIRES
4 WIRES
SOLUTIONS

Essential solution that provides **BASIC FUNCTIONS**, normally for simple systems:

- ONE OR TWO FAMILY HOMES
- FIT-AND-FORGET SOLUTIONS
- BASIC FUNCTIONS
- PLUG-IN POWER SUPPLY (DIRECT MAINS CONNECTION)

PROFESSIONAL KITS
for high level single home

2 WIRES
SOLUTIONS

Initial basic solution that **CAN DEVELOP** into a **MORE COMPLEX** and **CUSTOMISED** systems:

- ONE OR TWO-FAMILY HOMES
- READY MADE SOLUTIONS
- FULLY EXPANDABLE
- ENHANCED FUNCTIONS

2 WIRE SYSTEM
for small buildings

2 WIRE SYSTEM

The best technology when **TIME SAVING** and **EASE** of **INSTALLATION** are required:

- SMALL BUILDINGS/HOMES
- EASY AND QUICK TO INSTALL
- MAXIMUM VERSATILITY
- PERFECT FOR REFURBISHMENTS

D45 SYSTEM
for large buildings

D45 SYSTEM

System developed mainly to increase competitiveness in large projects, buildings and complexes.

- LARGER BUILDINGS AND COMPLEXES
- HIGH PERFORMANCES
- LONG DISTANCES AND HIGH NUMBER OF APARTMENTS
- INTEGRATED SECURITY FUNCTIONS

bticino

EASY
SOLUTIONS

- Easy installation
- Expandability with additional internal units, entrance panel and CCTV camera (Coaxial)
- 2 Wires and 4 Wires available solutions
- Door lock release key and intercom functions
- Connected Wi-Fi solutions

ESSENTIAL KIT
"cost-effective" solutions

4 WIRES SOLUTIONS

Hands-free and handset audio and video kit comprising:
- a wall-mounted metal entrance panel with LEDs for the illumination of the field of view
- a video colour display internal unit with plug-in power supply

MAIN FEATURES:
- 4 Wires (video system)
- Installation flexibility (plug-in power supply)
- Expandability with additional internal units, entrance panel or CCTV camera (Coaxial)

Audio/video extension compatibility

EASY KIT CONNECTED
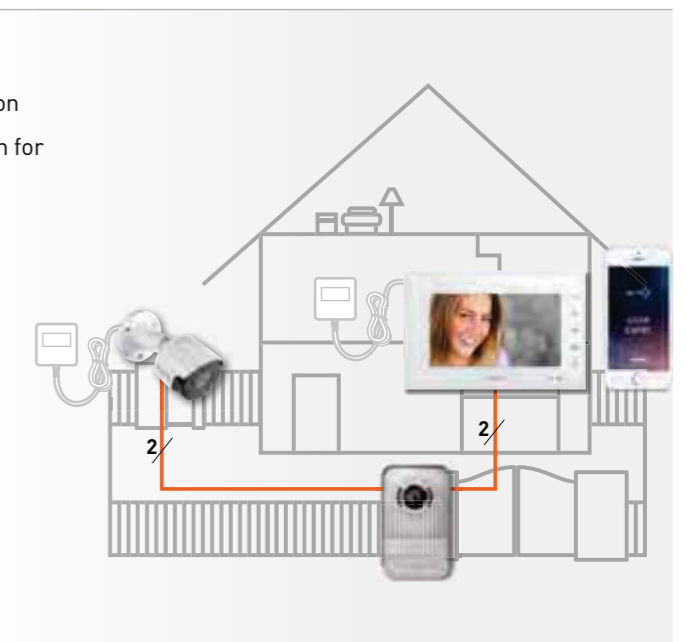"very simple" solutions

2 WIRES SOLUTIONS

Hands-free video kit comprising:
- a wall-mounted metal entrance panel (rainshield included) equipped with a colour camera and a LED lamp for the illumination of the field of view.
- a video colour display internal unit (plug-in power supply included).

MAIN FEATURES:
- Easy, simple and quick installation
- SMART Wi-Fi connected solution for your security
- 2 non-polarised wires for an error-proof connection
- Practical and functional: hands-free solutions enabling dialogue while moving freely
- High-resistant 'and' waterproof metal entrance panels
- One family installation. Easy switch to two families by adding the additional internal unit
- Expandability with additional internal units, entrance panel and CCTV camera (Coaxial).

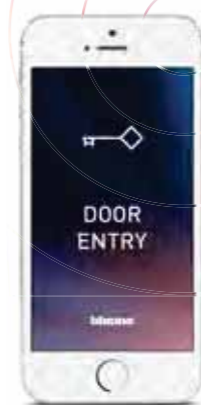# EASY KIT Connected
2 WIRES

EASY KIT CONNECTED

SMART SOLUTION
FOR YOUR SECURITY

WiFi

Compatible with
Netatmo

Video internal unit compatible
with NETATMO Smart Indoor and
Smart Outdoor cameras.

DOOR
ENTRY

THE ADVANTAGES OF A CONNECTED SYSTEM

Answer and open the door
from your sofa or when you are away from home

Open the gate
without using the keys when you get home

Don't miss a delivery
take calls and open the gate,
wherever you are

Video surveillance
see what is happening outside the home

EASY KIT Connected
2 WIRES

2 WIRES SOLUTIONS

ONE APP FOR ALL
YOUR CUSTOMER NEEDS

DOOR ENTRY

bticino

With **a single APP** you can answer calls wherever you are and view the images of all the cameras connected to the system, even those of Netatmo

Additional CCTV Camera

Compatible with
Netatmo
Video internal unit compatible with NETATMO Smart Indoor and Smart Outdoor cameras.

Video entrance panel

Dedicated APP
DOOR ENTRY
EASY KIT
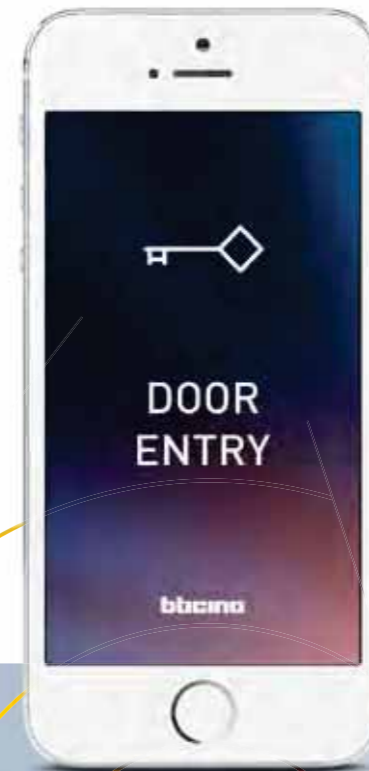
GET IT ON
Google Play

Download on
App Store

NETATMO Smart Indoor Camera

NETATMO Smart Outdoor Camera

WWW.BTICINO.COM

EASY KIT - CONNECTED SOLUTIONS

START YOUR KIT...

7" WI-FI CONNECTED VIDEO KIT

Compatible with
Netatmo

- Call forwarding on smartphone
- Wi-Fi connected
- 7" colour LCD display
- Internal unit with black finish
- Hands-free communication modality
- Lights activation
- Additional CCTV camera (Coaxial)
- Entrance panel can call 2 apartments
- Integration with NETATMO's Smart Outdoor and Indoor Cameras

BUILD ON YOUR KIT

PLUG-IN EASY KIT can be expanded up to a maximum of 3 internal units and one additional entrance panel or CCTV camera (Coaxial) for each apartment. Only one easy kit connected per home can be installed.

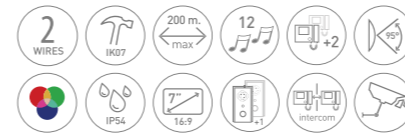### 7" WHITE WI-FI CONNECTED FINISH INTERNAL UNITS

Compatible with
Netatmo

BTICINO BRAND KITS
PLUG-IN "EASY" 2 WIRES

318013   331860

Pack	Item	7" white finish connected video kit
		Complete video kit
		ONE Family two wires colour WI-Fi connected video kits with wall mounted entrance panel. Metal finish entrance panel with rainshield, colour wide angle camera and LED for the night illumination of the field of view. Entrance panel can be easily adapted for two family houses. An external CCTV colour camera (Coaxial) can be directly connected to the entrance panel. Wi-Fi connected handsfree 7" screen internal unit with PLUG-IN power supply included. The system can be expanded up to 3 traditional handsfree internal units. Thanks to the Wi-Fi connection, you can associate the video internal unit to the Door Entry Easy Kit App (available for Android and iOS). You can manage by the App the main video internal unit functions (receiving calls, opening the door lock, view the cameras). The system is fully interoperable with Netatmo cameras for greater security outside and inside the house.
1	318013	7" White finish connected video kit with Australian standard PLUG-IN
1	332853	**Additional video internal units** Connected 7" white finish additional internal unit 7" with Australian standard PLUG-IN. NOTE: maximum one connected screen per installation
1	331860	**Additional video entrance panel** Video entrance panel with rainshield

ESSENTIAL SOLUTIONS

BTICINO BRAND
ESSENTIAL KIT

315512

330852   **330560**   **330660**

START YOUR KIT...

7" COLOUR VIDEO KIT

- 7" Hands-free and Handset kits
- Modern and trendy design
- Compact, discrete and robust entrance panels with rainshield
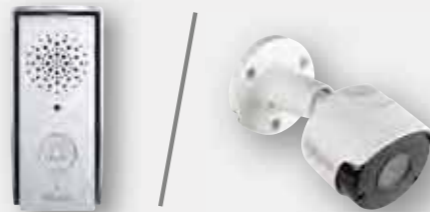- Extended security thanks to the additional CCTV camera (Coaxial)

Pack	Item	7" Video kits
1		ONE-FAMILY 4-wires colour video hands-free or handset kit, wall mounted with internal power supply, expandable up to 4 additional Internal Units and up to 1 additional External Panel or an External Camera (NTSC or PAL), offering the following functions: call, intercom, door lock activation, image cycling. Composed of a hands-free or a handset Video Internal Unit, with a 7" colour display and 12 ringtones, signaling LED and MUTE function: and a discrete Zamak Entrance Panel, with rain-shield, microphone and speaker volume adjustments, colour camera and LED for enhancing lighting in the visual field.
1	315512	7" Hands-free video kit

Pack	Item	Additional 7" Video Internal Units
1	330852	Colour video hands-free additional Internal Unit, recommended to expand a ONE FAMILY BASIC 4-wires Video Kit, wall mounted with internal power supply, a 7" colour display and 12 ringtones, signaling LED and MUTE function, offering the following functions: call, intercom, door lock activation, image cycling.

		Additional Video Entrance Panel
1	330560	Additional Zamak Entrance Panel, recommended to expand a ONE FAMILY BASIC 4-wires Video Kit, wall mounted with embedded rain-shield, microphone and speaker volume adjustments, colour camera and LED for enhancing lighting in the visual field.

		Angle Bracket accessory
1	330660	Accessory for the installation of the External Panels BT-330560 - BT-330460 to adjust its visual field by a 30°-angle, to the right or to the left.

BUILD ON YOUR KIT

All ESSENTIAL KITS can be expanded up to a maximum of 5 internal units. Video kits can be expanded with dedicated video and audio internal units and up to one additional entrance panel or an external CCTV camera (Coaxial).

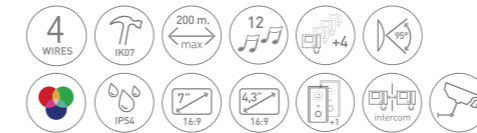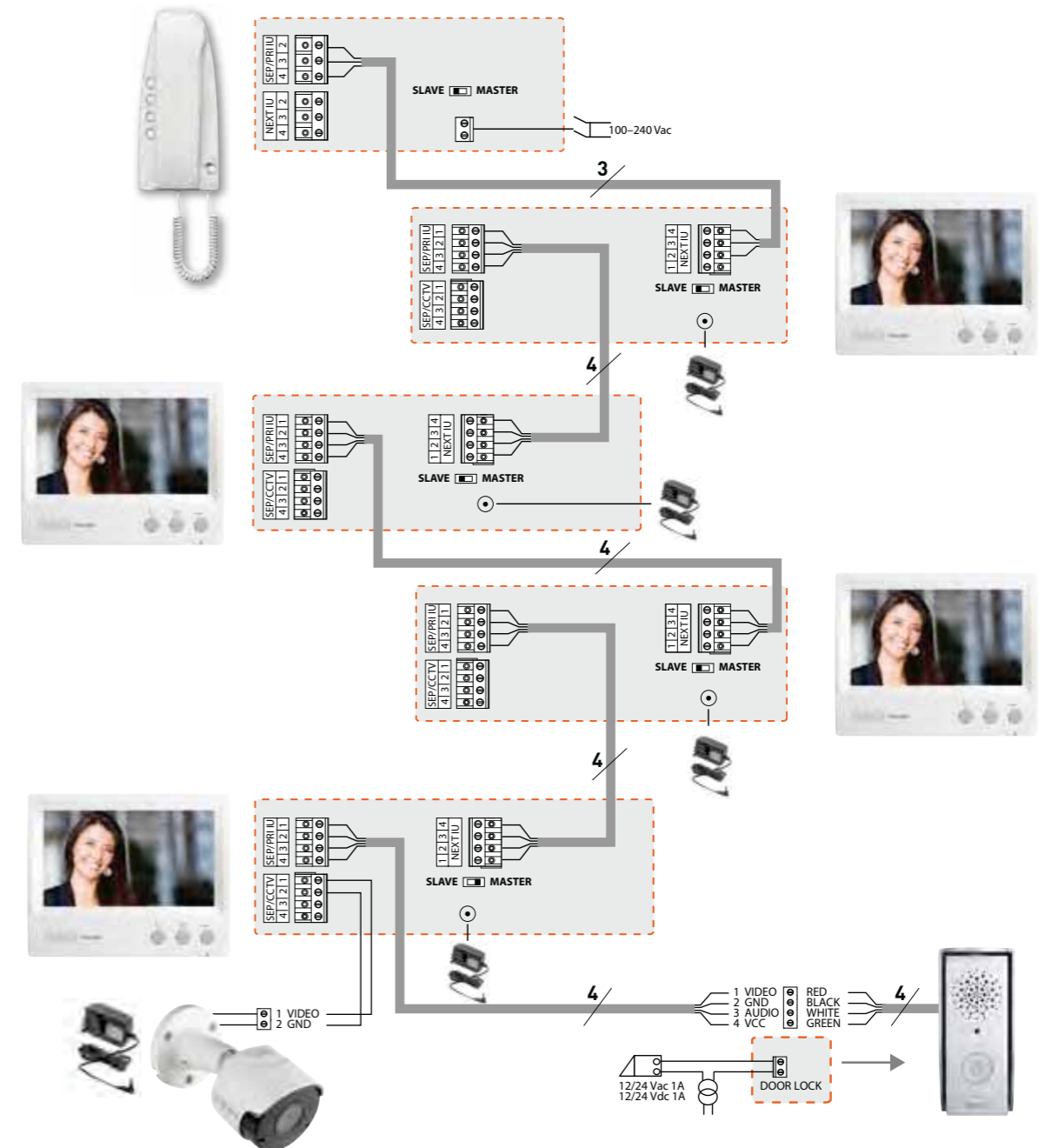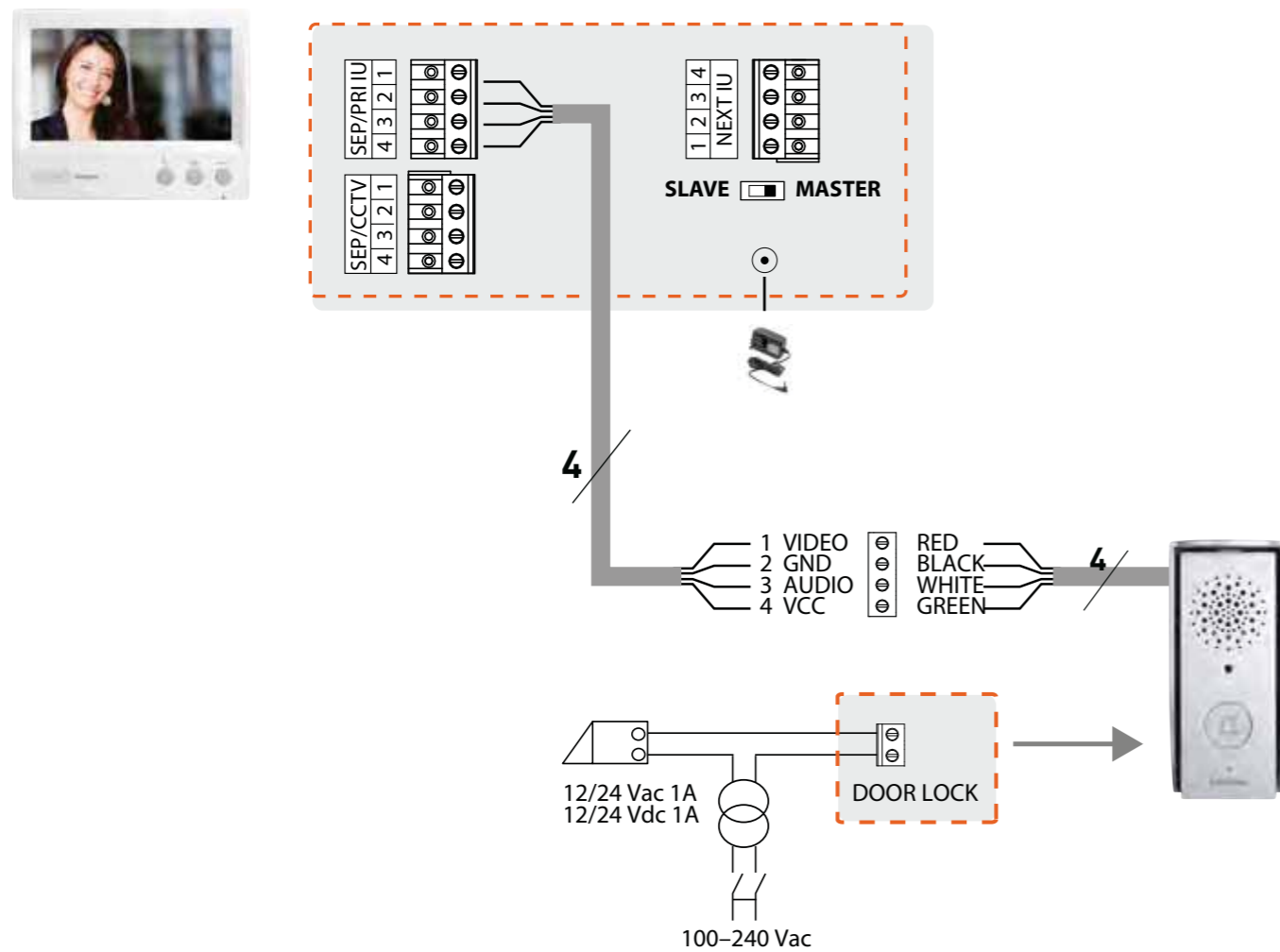### 7" HANDS-FREE ADDITIONAL INTERNAL UNIT

ADDITIONAL ENTRANCE PANEL
ADDITIONAL CAMERA

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4 WIRES
SOLUTIONS

ESSENTIAL 4 WIRES

WIRING DIAGRAMS

EXAMPLE 1 - SINGLE FAMILY STANDARD VIDEO SYSTEM

**EXAMPLE 2** - SINGLE FAMILY VIDEO SYSTEM – MAXIMUM EXPANSION WITH CAMERA

SEP/PRI IU
4 3 2 1

NEXT IU
1 2 3 4

SEP/CCTV
4 3 2 1

SLAVE ▢ MASTER

1 VIDEO   RED
2 GND   BLACK
3 AUDIO   WHITE
4 VCC   GREEN

4

12/24 Vac 1A
12/24 Vdc 1A

DOOR LOCK

100–240 Vac

SEP/PRI IU
4 3 2 1

NEXT IU
4 3 2 1

SLAVE ▢ MASTER

100–240 Vac

3

SEP/PRI IU
4 3 2 1

SEP/CCTV
4 3 2 1

NEXT IU
1 2 3 4

SLAVE ▢ MASTER

4

SEP/PRI IU
4 3 2 1

SEP/CCTV
4 3 2 1

NEXT IU
1 2 3 4

SLAVE ▢ MASTER

4

SEP/PRI IU
4 3 2 1

SEP/CCTV
4 3 2 1

NEXT IU
1 2 3 4

SLAVE ▢ MASTER

4

SEP/PRI IU
4 3 2 1

SEP/CCTV
4 3 2 1

NEXT IU
1 2 3 4

SLAVE ▢ MASTER

1 VIDEO
2 GND

4

1 VIDEO   RED
2 GND   BLACK
3 AUDIO   WHITE
4 VCC   GREEN

4

12/24 Vac 1A
12/24 Vdc 1A

DOOR LOCK

EASY KIT 2 WIRES

WIRING DIAGRAMS

EXAMPLE 1 - SINGLE FAMILY STANDARD KIT

EXAMPLE 2 - MULTI FAMILY VIDEO SYSTEM KIT

x2

x1

x3

x2

bticino
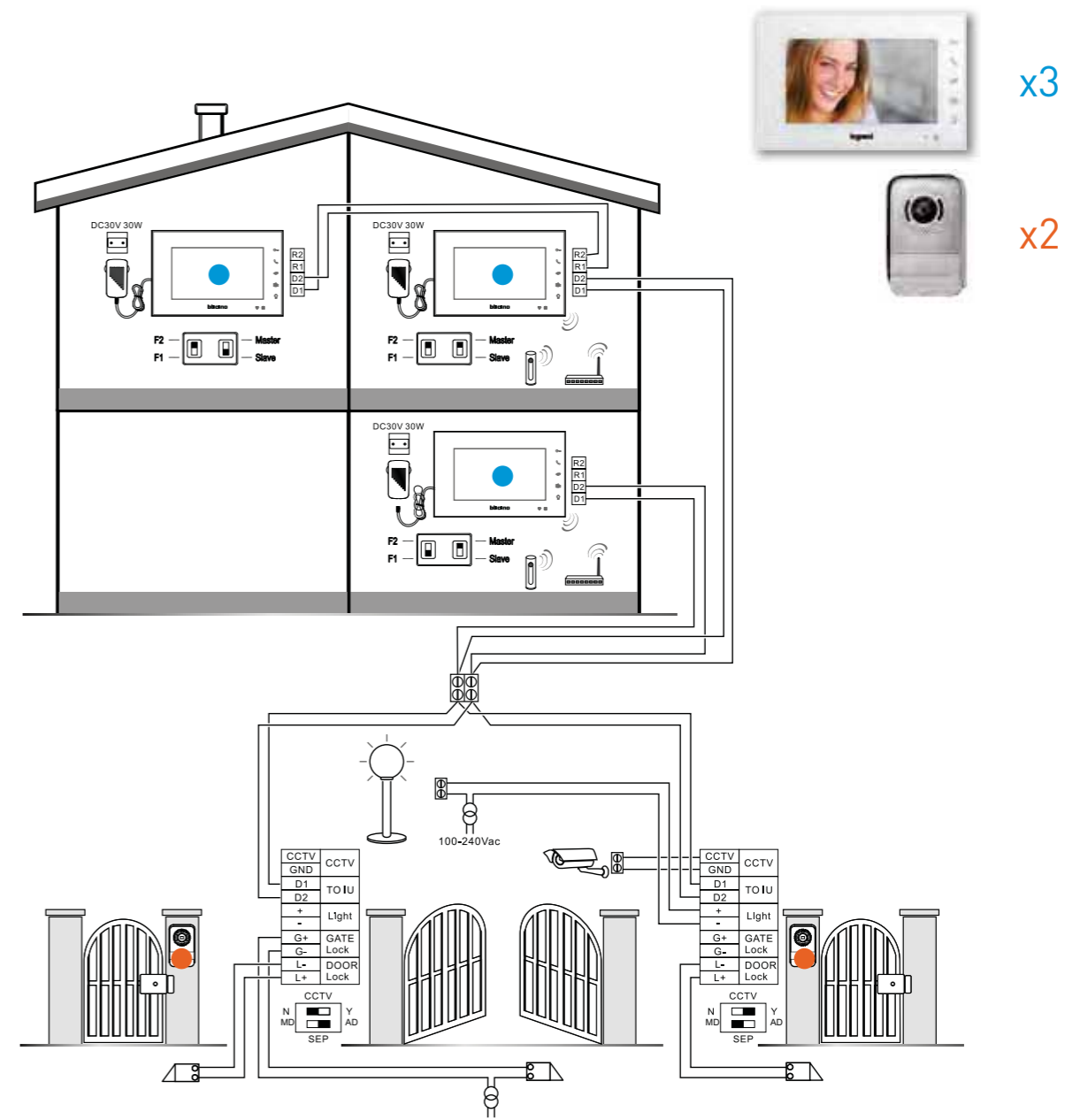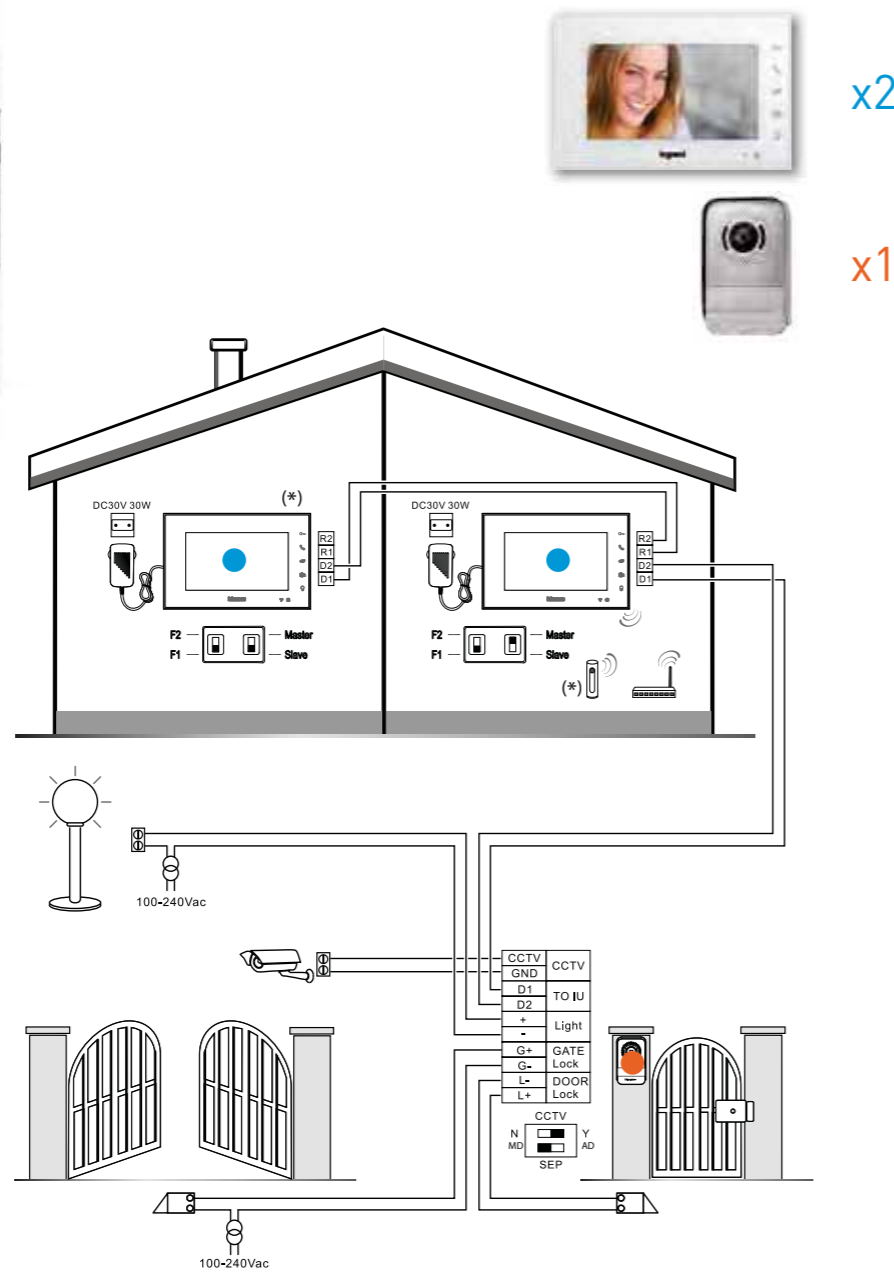
THE "FULL EXPANDABLE"
SOLUTION

SUITABLE FOR SINGLE HOME STANDARD - HIGH LEVEL APPLICATIONS

- The 2-wire technology allows maximum flexibility and expandability
- From basic functions to advanced functions such as call redirection on smartphone, video door entry answering machine, Netatmo cameras integration, intercom and door opening with badge
- Modular DIN-rail power supply
- Include a manual with all the technical information required for the installation, connection, features and expansion possibilities.

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KIT VIDEO

Compatible with
Netatmo

Video internal unit compatible with NETATMO Smart Indoor and Smart Outdoor cameras.

CLASSE 100X16E
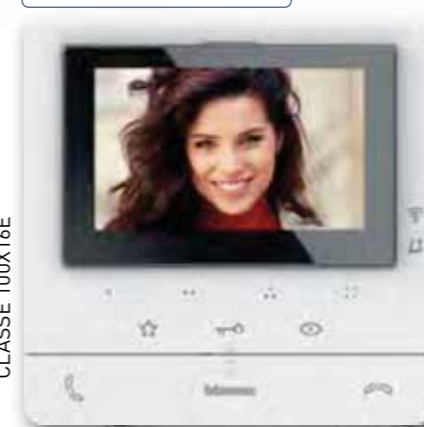
Call redirection on smartphone

Netatmo Smart Outdoor camera

LINEA 3000

Door opening with badge

EXPANSION

Expand these kits with other devices such as additional entrance panels, internal units, cameras, and home automation devices.

2 WIRES
FULL EXPANDABILITY

AUDIO KITS

VIDEO KITS

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PROFESSIONAL
SOLUTIONS

Video internal unit compatible with NETATMO Smart Indoor and Smart Outdoor cameras.

Compatible with
Netatmo

364614

363811

Pack	Item	SPRINT - LINEA 2000 AUDIO HANDSET KIT
1	363811	One-family kit with SPRINT handset and LINEA 2000 pushbutton panel. Analogue technology with 2 wire connection. Devices suitable for wall mounted installation. Expansion possibility using the specific additional handset 331550

Item	KIT COMPOSITION	Qty
-	LINEA 2000 Entrance panel	1
-	SPRINT audio handset	1
336842	2 DIN Transformer	1
	ACCESSORIES	
331550	Specific additional audio handset	

OLD BELL SYSTEM

Pack	Item	CLASSE 100X16E - LINEA 3000 CONNECTED VIDEO KIT
		One-family handsfree kit with: CLASSE 100X16E Wi-Fi connected video indoor unit, handsfree function, inductive loop, 5″ LCD display; LINEA 3000 pushbutton panel with with zamak front cover, wide angle colour camera, proximity reader and with a set of coloured key cards and two clear discs for door lock release. Can be configured for one-family and two-family installations. It can manage a maximum of 20 key cards (125 KHz) for the electric door lock release (including the one for the system management). Nameplate lit by white LED. Can be wall or flush installed with specific accessories: (350020) flush mounted box and (343061) flush mounted accessory - to be purchased separately. Can be fitted with rainshield (343051)- to be purchased separately. The pushbutton panel has a protection index IP54-protection index against mechanical impact IK10. The video indoor unit has inductive loop function (to enable use by people wearing hearing aids fitted with T selector). It has 2 physical keys for the control of the main functions – answer and end a call – and has 3 touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are further 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations. It has a side lever to adjust: Colour, brightness and display contrast, audio volume, call tone volume and Wi-Fi configuration. There are call exclusion notification LEDs and Wi-Fi. Also, thanks to the Wi-Fi connection, you can associate the video indoor unit to the Door Entry App (available for Android and iOS). Manage the main video indoor unit functions (receiving calls, opening the door lock, activating the entrance panel/scrolling, firmware updating and additional activations) from the App. The installation can be made to the wall using the bracket supplied or by using table support accessories (2 x 344692) – to be purchased separately. The device also has Professional Studio (Office) function and must be configured.
1	364614	**Complete one family kit** (Easy switch to two families system by purchasing an additional internal unit - refer to 2 Wires system internal units range).

Download on the App Store

GET IT ON Google Play

DOOR ENTRY CLASSE 100X is the App which lets you use your smartphone, manage the video internal unit calls locally and remotely or with a simple touch open the gate, activate the cameras and switch the garden timed lights on. Configuring the App needs just a few steps, thanks to the BTicino Cloud, the remote connection is completely automated and managed with the maximum level of security.

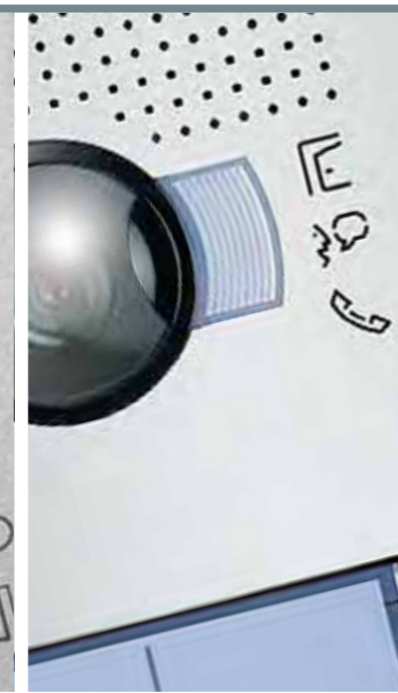| Item	KIT COMPOSITION	Qty
343091	LINEA 3000 Entrance panel	1
344682	CLASSE 100X16E Video internal unit	1
346050	6 DIN System power supply	1
346250	Relay module accessory	1
348260	Set of door lock release badges	1
348261	Set of door lock release clear discs	1

NEW AUDIO SYSTEM

2 wires system

bticino

2 WIRES SYSTEM

2 wires system

2 WIRES SYSTEM

The easiest system offer

The **2 WIRES SYSTEM** is the best technology for those cases when **TIME SAVING** and **EASE of INSTALLATION** are crucial. Thanks to the non polarised 2

wires system it is in fact possible to install, with the same ease, all kinds of systems, from those for single villas to those for apartment complexes.

This technology is particulary suitable, for example, for:

SMALL AND MEDIUM SIZE SYSTEMS

SINGLE HOME

APARTMENTS

RENOVATIONS

The possibility of using existing cables makes it the ideal solution when refurbishing systems.

Remove the old entrance panel being replaced.

Use the two cables already present to connect the new entrance panel.

In addition to the extreme simplicity, the system offers **VERY GOOD PERFORMANCE**

SYSTEM MAIN FEATURES	
3900	Apartments
3900	Apartment video entrance panels
39	Risers with indepedent sound mode
5	Handsets per apartment
600 m	Distance between entrance panel and furthest internal unit

RISER
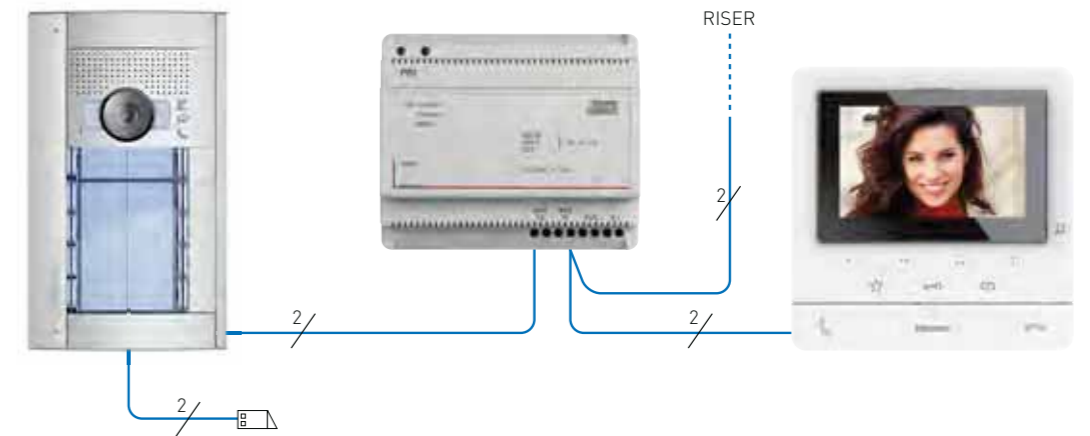
2 non-polarised wires for all the system

THE 2 WIRES SYSTEM

OFFERS A WIDE RANGE OF ENTRANCE PANELS AND INTERNAL UNITS, TO MEET ALL THE CUSTOMER NEEDS.

bticino

THE SYSTEM
COMPOSITION

2 WIRES

A few accessory devices are needed to make the 2-WIRE systems, as well as the entrance panels and the internal units and/or video internal units.

eliot
PROGRAM BY BTICINO

Compatible with
Netatmo

■ Thanks to the additional door lock, lift integration can be achieved.

■ In apartment-block systems the switchboard can be used for the management and centralised supervision of the apartment-block services.

■ With systems like Classe 300EOS / Classe 100X16E connected internal units, you can manage your door entry system calls and functions with your smartphone thanks to the dedicated DOOR ENTRY Apps.

DOOR ENTRY SYSTEM

2

Audio internal unit

2

Audio internal unit

2

2

Entrance panel

Power supply

VIDEO DOOR ENTRY SYSTEM

2

Video internal unit

2

Video internal unit

Video internal unit

2

Video internal unit

2

Entrance panel

Power supply
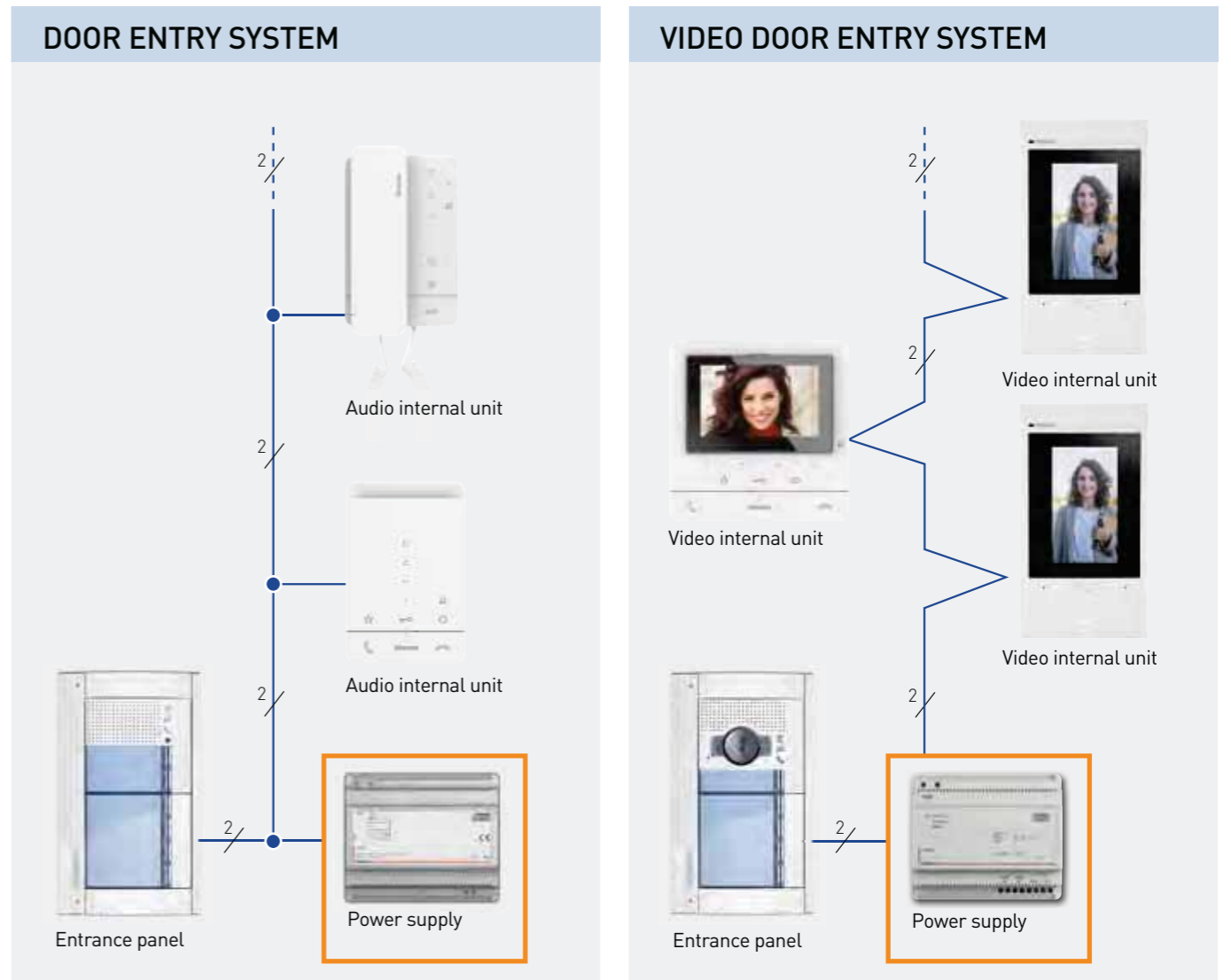
ENTRANCE
panel
range

SFERA
LINEA 3000
LINEA 100
LINEA 300

LINEA 3000

LINEA 3000

LINEA 300

LINEA 100

SFERA NEW

SFERA ROBUR

	Sfera New	Sfera Robur	Linea 3000	Linea 300	Linea 100
Audio	●	●	●		●
Colour video	●	●	●	●	
Finishes / Colours	Allmetal Allwhite Allstreet	Zamak Robur	Zamak grey Zamak black	Stainless Steel Aluminium	Stainless Steel
Wall mounted installation	●	●	●	●	●
Flush mounted installation	●	●	●	●	
Pushbutton call	●	●	●	●	●
Digital call	●	●			●
Wide angle camera (1)	●	●	●		
Night & Day camera (2)	●	●			
Control speech synthesis (3)	●	●			
Door lock release with keypad	●	●			●
Door lock release with key card	●	●	●		
Rainshield	●	●	●		●
Vandal proof				●	
Protection index	IP54	IP54	IP54	IP54	IP44
Sturdiness index	Up to IK08	IK10	IK10	IK07	IK08
Max. number of calls	100 with pushbuttons 4000 with digital call	100 with pushbuttons 4000 with digital call	2	32 with pushbuttons 4000 with digital call	8 with pushbuttons 4000 with digital call

(1) Horizontal and vertical wide viewing field. Easy to use for children and differently-abled people.
(2) Night lighting thanks to the IR LED with automatic IR filter. Sharp, perfect images even in limited light conditions.
(3) Inductive loop and control speech synthesis. Use by people wearing hearing aids. Easy to use for visually impaired people.

ENTRANCE PANEL
SFERA

bticino

2 WIRES SYSTEM

SFERA NEW

SFERA ROBUR

2 DESIGNS

SFERA NEW
A modern and sleek design suitable for residential and commercial developments.

Audio or video pushbutton entrance panel

Call from address book

SFERA ROBUR
Sturdy materials and optional flush-mounting boxes providing increased safety and preventing removal of the device

Audio or video pushbutton entrance panel

Digital call

TWO STYLES
ONE ELECTRONIC
HEART

2-wires simplicity, maximum performance
Exceptional audio and video performance as well as fast and simple installation can be achieved with 2-wires technology

- Up to 4000 dwellings
- 20 handsets per dwelling
- Up to 96 video entrance panels
- Operable range of 600 m between entrance panel and internal unit

12 FUNCTIONS

TRADITIONAL

Basic speaker module

Speaker module

Audio/video module

4 push-buttons module

8 push-buttons module

Nameplate module

Graphic display module

ADVANCED

Audio/video wide-angle camera module

Night/day wide-angle camera module

Inductive loop and control speech synthesis module

DOOR LOCK RELEASE

Keypad module

Badge reader module

FLUSH-MOUNTING INSTALLATION

FINISHES	INSTALLATION TYPE	FLUSH-MOUNTING BOXES		RAINSHIELDS (OPTIONAL)			FRAMES/PLATES	
		Cat.Nos	Pack	Cat.Nos		Pack	Cat.Nos	Pack

Allmetal (silver) 1

A Flush-mounting box — C Rainshield — D Frame + surround plate — E Function modules — F Front covers

Flush-mounting boxes:
- A 350010 — 1 module — 1
- 350020 — 2 modules — 1
- 350030 — 3 modules — 1

Rainshields (optional):
- 35051.. — 1 module — 1 | 35054.. — 4 modules — 1
- 35052.. — 2 modules — 1 | 352500 — 6 modules — 1
- 35053.. — 3 modules — 1 | 35059.. — 9 modules — 1

Frames/Plates:
- D 35021.. — 1 module — 1
- 35022.. — 2 modules — 1
- 35023.. — 3 modules — 1

Allwhite (white) 2

SURFACE-MOUNTING INSTALLATION

INSTALLATION TYPE	SURFACE-MOUNTING BOXES		FRAMES/PLATES	
	Cat.Nos	Pack	Cat.Nos	Pack

Allstreet (grey) 3

B Surface-mounting box with in-built rainshield — D Frame + surround plate — E Function modules — F Front covers

Surface-mounting boxes:
- B 35061.. — 1 module — 1 | 35064.. — 4 modules — 1
- 35062.. — 2 modules — 1 | 35066.. — 6 modules — 1
- 35063.. — 3 modules — 1 | 35069.. — 9 modules — 1

Frames/Plates:
- D 35021.. — 1 module — 1
- 35022.. — 2 modules — 1
- 35023.. — 3 modules — 1

CHOOSE YOUR FINISH: Replace the dots in the Cat. No. with either 1, 2, or 3 to select the desired finish

---

DIGITAL FUNCTION MODULES			FRONT COVERS	
	Cat.Nos	Pack	Cat.Nos	Pack

Speakers

E
- 351000 — Basic speaker module (FOR AUDIO SYSTEMS ONLY) — 1
- 351100 — Speaker module — 1

F
- 35100.. — Basic speaker module — 1
- 35101.. — Basic speaker module 1 push-button
- 35102.. — Basic speaker module 2 push-buttons
- 35104.. — Basic speaker module 2 push-buttons/double row
- 35108.. — Basic speaker module 4 push-buttons/double row
- 35110.. — Speaker module — 1
- 35111.. — Speaker module 1 push-button
- 35112.. — Speaker module 2 push-buttons
- 35114.. — Speaker module 2 push-buttons/double row
- 35118.. — Speaker module 4 push-buttons/double row

Push-buttons

- 352000 — 4 push-buttons/single row — 1
- 352100 — 8 push-buttons/double row — 1

- 35203.. — 3 push-buttons — 1
- 35204.. — 4 push-buttons
- 352011 — 1 push-button
- 352021 — 2 push-buttons
- 35216.. — 6 push-buttons/double row — 1
- 35218.. — 8 push-buttons/double row
- 352121 — 2 push-buttons/double row
- 352141 — 4 push-buttons/double row

Cameras

E
- 351200 — Audio/video — 1
- 351300 — Audio/video with wide angle camera — 1
- 352400 — Night/day with wide angle camera — 1

F **Video front covers**
- 35120.. — Audio/video — 1
- 35121.. — Audio/video 1 push-button
- 35122.. — Audio/video 2 push-buttons/double row
- 35130.. — Audio/video wide angle — 1
- 35131.. — Audio/video wide angle 1 push-button
- 35132.. — Audio/video wide angle 2 push-buttons / double row
- 35240.. — Night/day with wide angle camera

- 354000 — Cable for the connection or several push-button modules L= 470 mm — 1

Miscellaneous

E
- 352200 — Name plate — 1
- 352500 — Graphic display — 1
- 352700 — Inductive loop and control speech synthesis — 1
- 353200 — Badge reader — 1
- 353000 — Keypad — 1

F **Miscellaneous front covers**
- 35220.. — Name plate — 1
- 35250.. — Graphic display — 1
- 35270.. — Inductive loop-speech synthesis — 1
- 35230.. — Blanking reader — 1
- 35320.. — Badge reader — 1
- 35300.. — Numeric keypad — 1
- 353011 — Alphanumeric keypad

CHOOSE YOUR FINISH: Replace the dots in the Cat. No. with either 1, 2, or 3 to select the desired finish

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FINISHES	INSTALLATION TYPE	FLUSH-MOUNTING BOXES		SUPPORT FRAMES		FRAMES/PLATES			DIGITAL FUNCTION MODULES		FRONT COVERS	
	FLUSH-MOUNTING INSTALLATION	Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack		Cat.Nos	Pack	Cat.Nos	Pack

FRONT COVERS

E — **F** Audio front covers

Speakers	**351000** Basic speaker module (FOR AUDIO SYSTEMS ONLY) — Pack 1
	351100 Speaker module — Pack 1

Audio front covers:
- **351005** Basic speaker module
- **351015** Basic speaker module 1 push-button
- **351025** Basic speaker module 2 push-buttons
- **351045** Basic speaker module 2 push-buttons/double row
- **351085** Basic speaker module 4 push-buttons/double row

- **351105** Speaker module
- **351115** Speaker module 1 push-button
- **351125** Speaker module 2 push-buttons
- **351145** Speaker module 2 push-buttons/double row
- **351185** Speaker module 4 push-buttons/double row

Push-buttons
- **352000** 4 push-buttons/single row — Pack 1
- **352035** 3 push-buttons
- **352045** 4 push-buttons
- **352100** 8 push-buttons/double row — Pack 1
- **352165** 6 push-buttons/double row
- **352185** 8 push-buttons/double row

E — **F** Video front covers

Cameras
- **351200** Audio/video — Pack 1
  - **351205** Audio/video
  - **351215** Audio/video 1 push-button
  - **351225** Audio/video 2 push-buttons / double row
- **351300** Audio/video with wide angle camera — Pack 1
  - **351305** Audio/video wide angle
  - **351315** Audio/video wide angle 1 push-button
  - **351325** Audio/video wide angle 2 push-buttons / double row
- **352400** Night/day with wide angle camera — Pack 1
  - **352405** Night/day with wide angle camera

354000 Cable for the connection or several push-button modules L= 470 mm — Pack 1

E — **F** Miscellaneous front covers

Miscellaneous
- **352200** Name plate — Pack 1
  - **352205** Name plate
- **352500** Graphic display — Pack 1
  - **352505** Graphic display
- **352700** Inductive loop and control speech synthesis — Pack 1
  - **352705** Inductive loop-speech synthesis
- **353200** Badge reader — Pack 1
  - **353205** Badge reader
- **353000** Keypad — Pack 1
  - **353005** Keypad

352305 Blanking reader — Pack 1

FLUSH-MOUNTING INSTALLATION

A, C, D, E, F

Flush-mounting box · Frame + support · Function modules · Front covers · Surround plate

FLUSH-MOUNTING BOXES		SUPPORT FRAMES		FRAMES/PLATES	
A		C		D	
350110 1 module	1	**350315** 1 module	1	**350415** 1 module	1
350120 2 modules	1	**350325** 2 modules	1	**350425** 2 modules	1
350130 3 modules	1	**350335** 3 modules	1	**350435** 3 modules	1

SURFACE-MOUNTING INSTALLATION

INSTALLATION TYPE	SURFACE-MOUNTING BOXES		SUPPORT FRAMES		FRAMES/PLATES	
SURFACE-MOUNTING INSTALLATION	Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack

B, C, D, E, F

Surface-mounting box with in-built rainshield · Frame + support · Function modules · Front covers · Surround plate

SURFACE-MOUNTING BOXES		SUPPORT FRAMES		FRAMES/PLATES	
B (*)		C		D	
35061.. 1 module	1	**350315** 1 module	1	**350415** 1 module	1
35064.. 4 modules					
35062.. 2 modules	1	**350325** 2 modules	1	**350425** 2 modules	1
35066.. 6 modules					
35063.. 3 modules	1	**350335** 3 modules	1	**350435** 3 modules	1
35069.. 9 modules					

Vandal-resistant (ROBUR)

40

(*) CHOOSE YOUR FINISH: Replace the dots in the Cat. No. with either 1, 2, or 3 to select the desired finish - Refer to SFERA NEW finishes.

DOOR ENTRY SYSTEMS | CATALOGUE   41

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351000 351100 351200

351300 352000 352100 352200

352400 352500 352700 353000 353200 346993

348200 348201 348202 348203 348204 348205 348206 348402

Pack	Item	Electronic modules
1	351000	**Basic speaker module** for the creation of 2 WIRE audio systems. Fitted with loudspeaker and microphone volume adjustment. It manages up to 100 pushbutton calls using additional double row pushbuttons. It can be used for opening an electrical door lock directly connected to the S+ and S- clamps (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection to a local door lock release pushbutton on the PL clamps. To be completed with surround plate. The device must be physically configured.
1	351100	**Speaker module** for the creation of 2 WIRE audio & video systems. Fitted with loudspeaker and microphone volume adjustment. It can manage up to 100 pushbutton calls when using additional double row pushbutton modules. It can be used for opening an electrical door lock directly connected to the S+ and S- clamps (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection to a local door lock release pushbutton on the PL clamps. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device can be configured either physically or using the PC and the TiSferaDesign software.
1	351200	**Audio video module** for the installation of 2 WIRE colour video systems. With Colour camera with 1/3" sensor and white LEDs for the lighting of the shooting field. Mist prevention heating resistance. Loudspeaker and Microphone volume adjustments. It can manage up to 98 pushbutton calls using the additional double row pushbutton modules. Horizontal and vertical camera position adjustment, +/- 10° in both directions. It offers the possibility of opening an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and of connecting a local door lock release pushbutton on clamps PL. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device must be configured physically or using a PC and the TiSferaDesign software.

Pack	Item	Electronic modules
1	351300	**Wide angle audio/video module** for the installation of 2 WIRE colour video systems. With Colour camera with 1/3" sensor and white LEDs for the lighting of the shooting field. Mist prevention heating resistance. Loudspeaker and Microphone volume adjustments. It can manage up to 98 pushbutton calls using the additional double row pushbutton modules. It offers the possibility of opening an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and of connecting a local door lock release pushbutton on clamps PL. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device must be configured physically or using a PC and the TiSferaDesign software
1	352000	**Additional 4-pushbutton modules arranged on single column.** To be used with speaker modules 351000 - 351100 and audio/video modules 351200 - 351300.Connection using the appropriate multicable supplied. Backlighting of nameplates controlled by the speaker module or the audio/video module connected. To be completed with surround plate
1	352100	**Additional 8-pushbutton modules arranged on double column.** To be used with speaker modules 351000 – 351100 and audio/video modules 351200 - 351300. Connection using the appropriate multicable supplied. Backlighting of nameplates controlled by the speaker module or the audio/video module connected. To be completed with surround plate
1	352200	**Nameplate module** normally used for displaying the house number or other notifications (e.g. Legend for calls using digital pushbutton panels, opening/closing times, etc.). Connection using the appropriate multicable supplied. Night backlighting controlled by the speaker module or the audio/video module connected. To be completed with surround plate

Pack	Item	Electronic modules
1	352400	**Night & Day and wide angle camera module** for the installation of colour video systems. Fitted with 1/3" sensor with N&D function and automatic removal of the IR filter. IR LED for the lighting of the field of view. Mist prevention heating resistance. Automatic brightness adjustment. Connection to the speaker module (351100) using the multicable supplied. To be completed with surround plate
1	352500	**Graphic display module** to be used with speaker module 351100 or with audio/video modules 351200 – 351300 (connection using the multicable supplied). It can operate in two modes: call from address book, or digital call. The call from the address book gives the possibility of sending the call by scrolling on the display the names associated to the residents. It is possible to store up to 4000 residents names. Using the keypad module item 353000 it is also possible to directly call the apartment by entering the number corresponding to the resident. The digital call is also performed using the keypad module item 353000 by entering the numerical code. It is recommended that one or more nameplate modules, item 352200, are installed at the side of the pushbutton panel to display the correspondence between the numerical codes and the names of the users. It is possible to program the names in the address book in two different ways: manual inclusion using the pushbuttons of the display module or inclusion using a PC with the TiSferaDesign software installed, by downloading the file to the display module (RECOMMENDED). System power supply cuts do NOT cause the loss of memory data. To be completed with surround plate
1	352700	**Inductive loop and control speech synthesis module** to be used with the 351100 speaker module or with audio/video modules 351200 - 351300. Enable use by people wearing hearing aids (fitted with T selector) or blind people thanks to the connection status voice message synthesis (call active, call ended, no answer, busy, door open). It is connected to the speaker module using the appropriate multicable supplied. To be completed with surround plate. The device can be configured either physically or using the PC and the TiSferaDesign software

Pack	Item	Electronic modules
1	353000	**Keypad module** for door lock release, or for the digital call of the apartment (to be used with the display module). It is fitted with relay with contacts (C – NC – NO) and clamps (CP- P1 – P2) for the connection of a local door lock release pushbutton. The numerical code for the opening of the door lock can be programmed using the keypad itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDS for the visual notification of the access status. Night backlighting with LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation per la sola apertura serratura. Configuration performed using physical configurators, or a PC with the TiSferaDesign software installed
1	353200	**RFID badge reader module** for the release of the door lock by swiping the badge. It manages up to 20000 badges. It's fitted with relay contacts (C – NO - NC) and clamps (CP - P1 - P2) for the connection of a local door release pushbutton. The badge for the release of the door lock can be programmed from the module itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDS for the visual notification of the access status. Night backlighting a LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation. Configuration performed using physical configurators, or a PC with the TiSferaDesign software installed
1	346993	**Expander pushbutton module** that gives the possibility of connecting call pushbuttons to the SFERA speaker modules (items 351000: 351100: 351200: 351300). Each module can manage up to 8 call pushbuttons. It is possible to connect several expander pushbutton modules (max 96 call pushbuttons for each Entrance Panel)
		Transponder keys and programmer
10	348200	Black transponder key
10	348201	Red transponder key
10	348202	Green transponder key
10	348203	Blue transponder key
10	348204	Orange transponder key
10	348205	Grey transponder key
10	348206	Yellow transponder key
1	348402	Table-top transponder key programmer

LINEA 3000 entrance panel

ONE entrance panel for every NEED

LINEA 3000 can be configured both for 1 and 2 family house
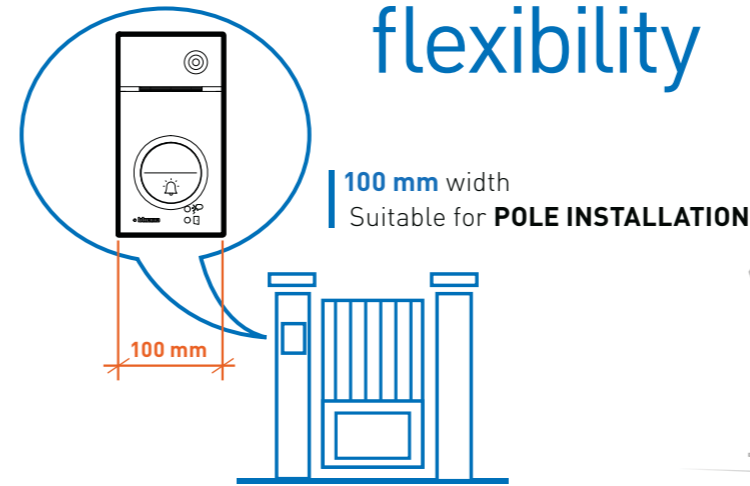
ONE FAMILY HOUSE

- Write the name on the one family nameplate label (supplied with the product).
- Set the internal micro-switch on position 1.

Nina Jean
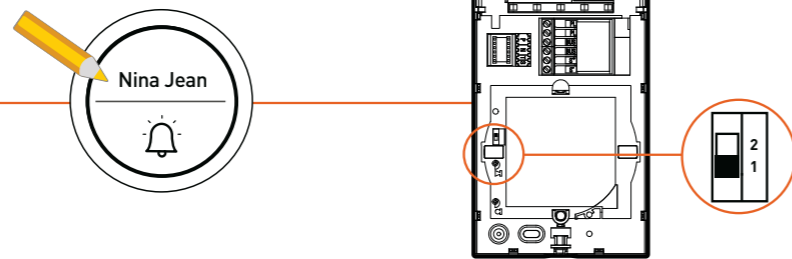
TWO FAMILY HOUSE
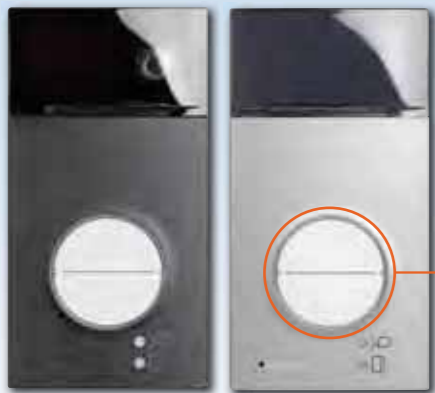
- Replace the nameplate label with the two family one (supplied with the product).
- Write the names on the two family nameplate label
- Set the internal micro-switch on position 2.

Martin
Nina Jean

DeSmart
srl

LINEA 3000 inside of the new professional kits

For **ONE FAMILY** house installation, buy complete kit with all you need within.

For **TWO FAMILY** house installation, buy the kit + an additional 2 wires internal unit. (refer to 2 wires system internal units range).

HIGH installation flexibility

100 mm width
Suitable for **POLE INSTALLATION**

100 mm
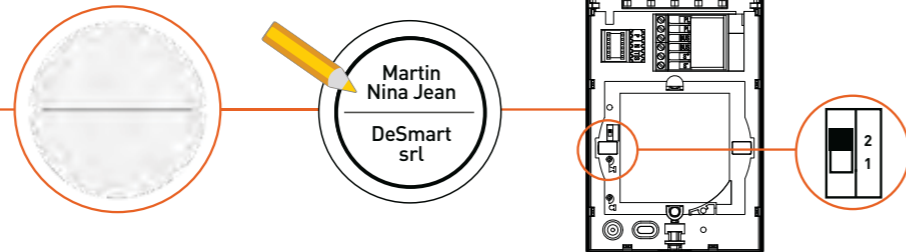
LINEA 3000 is sold for wall mounting installation but with the dedicated **ACCESSORIES** (to be purchased separately), you can use the entrance panel for **FLUSH MOUNTING INSTALLATION**.

350020 +
343061 (grey version)
343063 (black version)
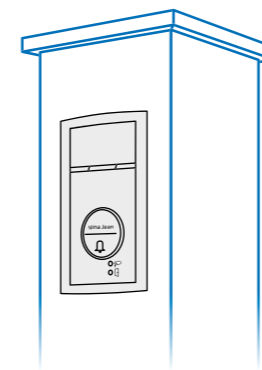
Also available in black version.

Ideal for renovations. Reuse the existing flush mounted box.
Same 2 Modules Tersystem and SFERA flush mounting box.

LINEA 3000 can be wall mounted with the dedicated **(343051) RAINSHIELD ACCESSORY** (to be purchased separately).

343051
(grey version)
343053
(black version)
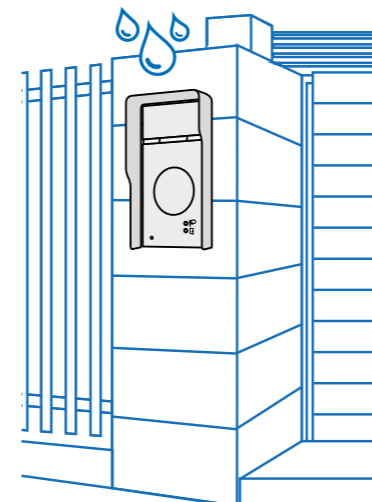
Also available in black version.

LINEA 3000 entrance panel

bticino

2 WIRES SYSTEM

The entrance panels range dedicated to SINGLE HOME STANDARD
HIGH LEVEL APPLICATIONS

Unique DESIGN and robust PERCEPTION

Same look and ergonomics for all available versions:

LINEA 3000 video with door lock release badge

LINEA 3000 video

LINEA 3000 audio

343093   **343091**   **343081**   **343071**

Branded quality

Refined detailing

Modern Aesthetics feeling of quality

Floating effect

Hidden technology

High Relevance on interaction

Advanced FUNCTIONS

Wide angle camera

Horizontal and vertical wide viewing field. Easy to use for children and differently-abled People.

105°

Door lock release

Door lock release with coloured badges or clear discs. Additional safe and comfort for all the residents.

Robustness Zamak finishes

Weatherproof **(IP 54)** protection degree

IP54

Robustness **(IK 10)** protection degree

IK10

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IP54   IK10

343091   343093   343081   343071   348260   348261

343051   343053   343061   343063   350020

Pack	Item	**LINEA 3000 Video entrance panel with door lock release proximity reader**
1	343091	Wall mounted 2-Wires video pushbutton panel with Zamak front cover, wide angle colour camera and proximity reader. Fitted with white LED for the lighting of the shooting field in low light conditions. Can be set up for one or two family installation. It provides the possibility of opening an electrical door lock connected directly to clamps S+ and S- (18 V 4 A impulsive, 250 mA holding current, 30 ohm max). Can manage a maximum of 20 badges (125 KHz) for electrical door opening (master system badge included). White LED backlight name plate. Protection degree IP54 – protection against mechanical impact IK10. Supplied 1 set of door opening badges made up of: 6 coloured badges and 2 clear discs.
1	343093	Same as 343091 but in black finish

Pack	Item	**LINEA 3000 Video entrance panel**
1	343081	Wall mounted 2-Wires video pushbutton panel with Zamak front cover and wide angle colour camera. Fitted with white LED for the lighting of the shooting field in low light conditions. Can be set up for one or two family installation. It provides the possibility of opening an electrical door lock connected directly to clamps S+ and S- (18 V 4 A impulsive, 250 mA holding current, 30 ohm max). White LED backlight name plate. Protection degree IP54 – protection against mechanical impact IK10.

Pack	Item	**LINEA 3000 Audio entrance panel**
1	343071	Wall mounted 2-Wires pushbutton panel with Zamak front cover. Can be set up for one or two family installation. It provides the possibility of opening an electrical door lock connected directly to clamps S+ and S- (18 V 4 A impulsive, 250 mA holding current, 30 ohm max). White LED backlight name plate. Protection degree IP54 – protection against mechanical impact IK10.

Pack	Item	**LINEA 3000 Spare part front covers**
1	343082	Spare part front cover for video entrance panels 343081 and 343091.
1	343072	Spare part front cover for audio entrance panel 343071.

Pack	Item	**Door lock release badge and clear disc**
1	348260	Set made up of 6 coloured badges which can be programmed to open the door
1	348261	Set made up of 2 programmable clear discs which can be programmed to open the door

Pack	Item	**LINEA 3000 Rainshield accessory**
1	343051	Rainshield accessory for Linea 3000 (343071 – 343081 – 343091) entrance panels.
1	343053	Rainshield accessory for Linea 3000 (343093) entrance panel.

Pack	Item	**LINEA 3000 Flush mounting accessory + plastic box**
1	343061	Flush mounting frame accessory for Linea 3000 (343071 – 343081 – 343091) entrance panels.
1	343063	Flush mounting frame accessory for Linea 3000 (343093) entrance panel.
1	350020	Plastic box suitable for the flush mounting installation of Linea 3000 entrance panels (343071 - 343081 - 343091 - 343093) together with the specific frame accessory 343061 - 343063.

LINEA 100

IP44 IK08

2 WIRES SYSTEM

343101   343102   343100

Pack	Item	**Pushbuttons audio entrance panel**
1	343101	2 WIRE audio pushbutton panel with 4 call pushbuttons for wall mounted installation. It's fitted with rainshield and internal contact (C - NO - NC) for the connection of an electrical door lock or external actuator (for the power supply to the electrical door lock allow for the installation of auxiliary transformer item 336482). Connections (PL) for a local door lock release pushbutton
1	343102	2 WIRE audio pushbutton panel with 8 call pushbuttons for wall mounted installation. It's fitted with rainshield and internal contact (C - NO - NC) for the connection of an electrical door lock or external actuator (for the power supply to the electrical door lock allow for the installation of auxiliary transformer item 336482). Connections (PL) for a local door lock release pushbutton

Pack	Item	**Digital call audio entrance panel**
1	343100	2 WIRE AUDIO digital call pushbutton panel for wall mounted installation. The device consists of a pushbutton panel with 16 keys and a digital display showing the operating status. Using previously saved numerical (SCS addresses) or alphanumerical (logical addresses) codes, it is possible to call the internal units, and for the residents to release the door lock using a dedicated numerical code. The pushbutton panel manages up to 4000 internal unit addresses (from 0 to 3999), as well as the direct call to the 2 WIRE switchboard. It's fitted with rainshield and internal contact (C - NO - NC) for the connection of an electrical door lock or external actuator (for the power supply to the electrical door lock allow for the installation of auxiliary transformer item 336482). Connections (PL) for a local door lock release pushbutton

IP54 IK07

308001
308011

308002
308012

308003
308013

308004
308014

308022

308040

308026

Pack	Item	**Aluminium finish pushbutton panel**
1	308001	Monobloc vandal-resistant 2 WIRE video pushbutton panel for 2 and 4 calls with aluminium finish. The item code includes: flush mounted box, frame, colour video and audio electronic module, prewired pushbutton module/s. Presetting for the mounting of transponder reader or key switch. Backlit call keys. Visual and sound notifications of the communication status for: call active, system busy, door lock status
1	308002	As item 30800 but for up to 8 calls
1	308003	As item 308001 but for up to 12 calls
1	308004	As item 308001 but for up to 20 calls
1	308005	As item 308001 but for up to 32 calls

Pack	Item	**Wall mounted boxes**
1	308021	Wall mounted box for pushbutton panels, items 308001-308011
1	308022	Wall mounted box for pushbutton panels, items 308002-308012

Pack	Item	**Stainless steel finish pushbutton panel**
1	308011	Monobloc vandal-resistant 2 WIRE video pushbutton panel for 2 and 4 calls with stainless steel finish. The item code includes: flush mounted box, frame, colour video and audio electronic module, prewired pushbutton module/s. Presetting for the mounting of transponder reader or key switch. Backlit call keys. Visual and sound notifications of the communication status for: call active, system busy, door lock status
1	308012	As item 308011 but for up to 8 calls
1	308013	As item 308011 but for up to 12 calls
1	308014	As item 308011 but for up to 20 calls
1	308015	As item 308011 but for up to 32 calls

Pack	Item	**Digital call entrance panel**
1	308040	Monobloc vandal-resistant 2 WIRE digital call video pushbutton panel (in stainless steel), flush mounted or wall mounted installation (with specific box item 308026 sold separately). The item includes: flush mounted vandal-resistant steel box, audio and video module with wide angle colour camera, integrated graphic display, and alphanumeric keypad for direct apartment call, fast address book search, and door lock release using a code. Presetting for the installation of a T25 Vigik reader, or a key switch. Backlit display and BLUE keys. It is possible to store up to 4000 residents names. Visual, sound, or control speech synthesis communication status notification, for example: call active, system busy, door lock status. Direct control of an electric door lock 18V-4A impulsive, 250 mA holding current (30 ohm max). System power supply cuts do NOT cause the loss of memory data. Selectable display menu languages are: Italian, English and French. The device can be configured physically or using a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com
1	308026	Wall mounted box for digital call entrance panel 308040

eliot™
PROGRAM BY BTICINO

CLASSE 300EOS

Compatible with
Netatmo
Video internal unit compatible
with NETATMO Smart Indoor
and Smart Outdoor cameras.

CLASSE 100 X16E

CLASSE 100 A16E

Compatible with
Netatmo
Video internal unit compatible
with NETATMO Smart Indoor
and Smart Outdoor cameras.
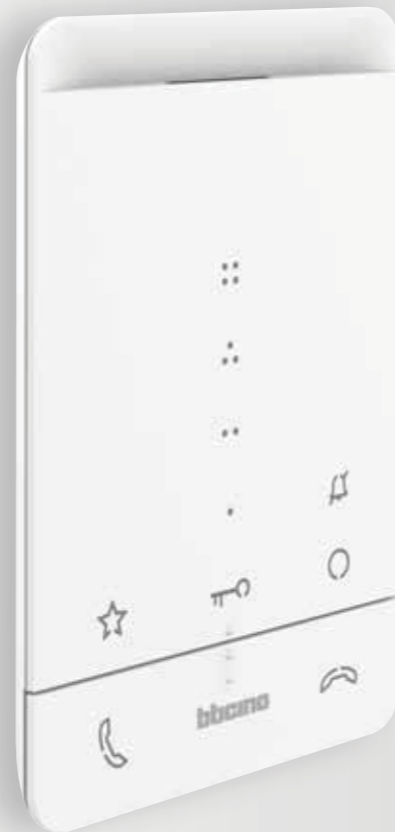
INTERNAL UNITS RANGE

CLASSE 300EOS
CLASSE 100
SPRINT L2

	Classe 300EOS	Classe 100X16E	Classe 100V16E	Classe 100V16B	Classe 100A16E	Classe 100A16M	Sprint L2
Audio					●	●	●
Colour video	●	●	●	●			
Handsfree	●	●	●	●	●		
Call redirection on smartphone	●	●					
Netatmo Smart cameras interoperability	●	●					
Wifi connection	●	●					
Finishes / Colours	Light finish Dark finish	White	White	White	White	White	White
Display	LCD Touch Screen 5"	LCD 5"	LCD 5"	LCD 5"			
Answering machine	●						
Floor call	●	●	●	●	●	●	●
Door lock release	●	●	●	●	●	●	●
Staircase light control	●	●	●	●	●	●	● (3)
Scrolling EP activation	●	●	●	●	●	●	● (3)
Intercom (1)	●	●	●	●	●	●	
Inductive loop (2)	●	●	●				
Professional studio function	●	●	●		●	●	
Note / message function	●						
Wall-mounted installation	●	●	●	●	●	●	●
Tabletop installation		●	●	●	●	●	
Alexa voice control	●						

(1) The intercom function allows for up to 3-minute communication between and among video door entry systems in the same apartment / in different apartments.
(2) Use by people wearing hearing aids fitted with (T) selector.
(3) Activated with specific configuration inserted in P.

bticino

bticino

Wide angle camera

Horizontal and vertical wide viewing field. Easy to use for children and differently-abled People.

Vertical display and curved shape:
a disruptive and modern design,
but also understated.

VIDEO DOOR ENTRY SYSTEM
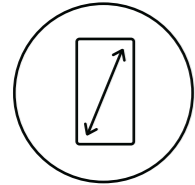
5" Touch Screen
Vertical display
for a better view
of the caller
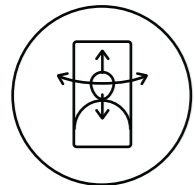
Face detection
Automatic centring of the
subject on the display
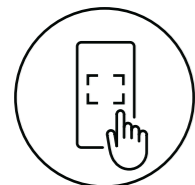
Horizontal display
Double "tap" the display
to view the image
in landscape format
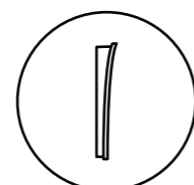
Curved shape
The shape of a welcome:
a "welcoming effect"
for residents and guests.

Advanced interface.

Intuitive use
For simple smartphone-like
gestures (swipe function)

Quick tips
To guide you and suggest
in a dynamic way

Easy installation based on 2 wire system

Forget complex installations and configurations of Ethernet networks, and continue to enjoy the **simplicity of 2 wires solutions**. Everything stays the same thanks to the Wi-Fi technology integrated in the video internal unit.

Simple and intuitive configuration
The configuration requires no IT skills.
You must only configure the classic 2 WIRES system parameters (entrance panel and internal unit SCS addresses, etc.). Your customer manages all the configurations of the Wi-Fi network and the App independently and intuitively. If necessary one can follow the information on the video door entry display and inside the Home + Security App menu.
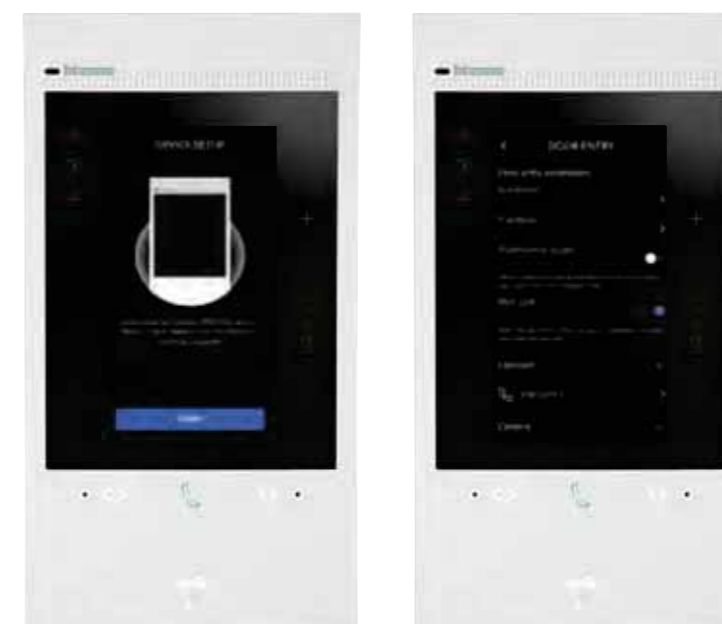
Installation, connection of the two BUS wires, configuration of the main system parameters: job done!

alexa | built-in

The first video internal unit with built-in Alexa

Enjoy the full Alexa experience
interacting with all its functions, such as:
Custom routines - Play Music - Smart Home
To set the clock alarms – Memos and
video door entry functions.

Security enhancement with integration of Netatmo devices

Video door entry system and security. Together.

Professional opportunity: offer your services as an installer of simple smart security systems.
Business opportunities: access to a catalogue of smart and easy-to-install security devices.

Video door entry system

Main entrance
Incoming entrance call.

Security

Secondary entrance and interiors
Smart Outdoor Camera with Siren and movement detection. Smart Indoor Camera with face recognition.
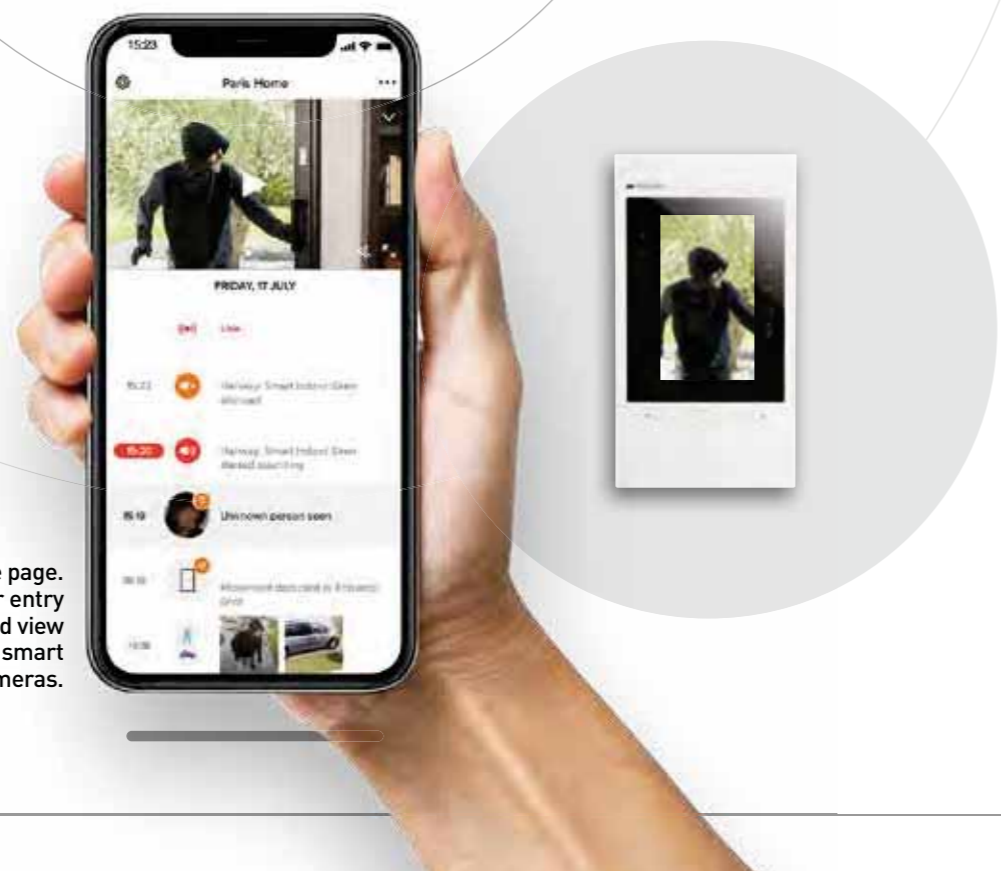
A single App with an intuitive home page. It allows you to answer video door entry calls, activate the door lock and view images from Netatmo smart outdoor and indoor cameras.

Home + Security
The best App for a safe home.

Solutions for a smart and complete protection of your home: security cameras, alarms, opening sensors, smoke detector...
Leave your home without worries.

WITH
Netatmo

Netatmo solutions natively integrated in the Home + Security App

Smart Outdoor Camera

Smart Outdoor Camera with Siren

Smart Indoor Camera

Smart Door and Window Sensors

Smart Indoor Siren

FEATURES AND FUNCTIONS

Front view

Presence sensor for automatic activation of the display

LED notifications
Wi-Fi Connection
Device info
Ringtone exclusion

5" vertical touch screen
LCD display

External pushbutton panel/camera scrolling activation

Enable / disable the handsfree communication with the external pushbutton panel

Alexa voice assistant controls
Alexa speaker volume + / -
Alexa activation
Led + Alexa microphone exclusion

FAVOURITE control
Can be customised to activate the most commonly used quick functions e.g. intercom, staircase lights and additional door locks

Activation control of the external pushbutton panel door lock

Microphone

Back view

Speaker

Plug-in connectors with screw clamps for connection
(BUS-MH) – BUS SCS MyHome Home Automation system;
(5M-1) – additional ringtone;
(call) – call to the floor external pushbutton

Dip-switch to enable the safe door lock function

Dip-switch to select the MASTER / SLAVE function

Configurator socket

MINI-USB socket for firmware update

ON / OFF micro switch to enable the additional power supply (2-1)

Line termination ON/OFF micro-switch

Connector for the connection to the LAN network using Ethernet accessory 344844

Plug-in connector with screw clamps for connection
(2-1) – Additional power supply;
(BUS-AV) – BUS SCS 2 wires video door entry system

344842

MAIN FEATURES	
√	5" vertical touch screen colour LCD display
√	Handsfree communication
√	White finish
√	Wall mounted installation using the supplied bracket

AVAILABLE FUNCTIONS FROM VIDEO INTERNAL UNIT	
√	Activation of the electrical door lock
√	Staircase light activation
√	Entrance panel/scrolling activation
√	Intercom
√	Floor call
√	Professional Studio (Office)
√	Video door entry answering machine
√	Master / Slave
√	Safe door lock
√	Wi-Fi connectivity
√	Built-in Alexa voice assistant
√	Notification management
√	Quick link - Favourite / most used functions
√	Favourite control
√	6 available ringtones
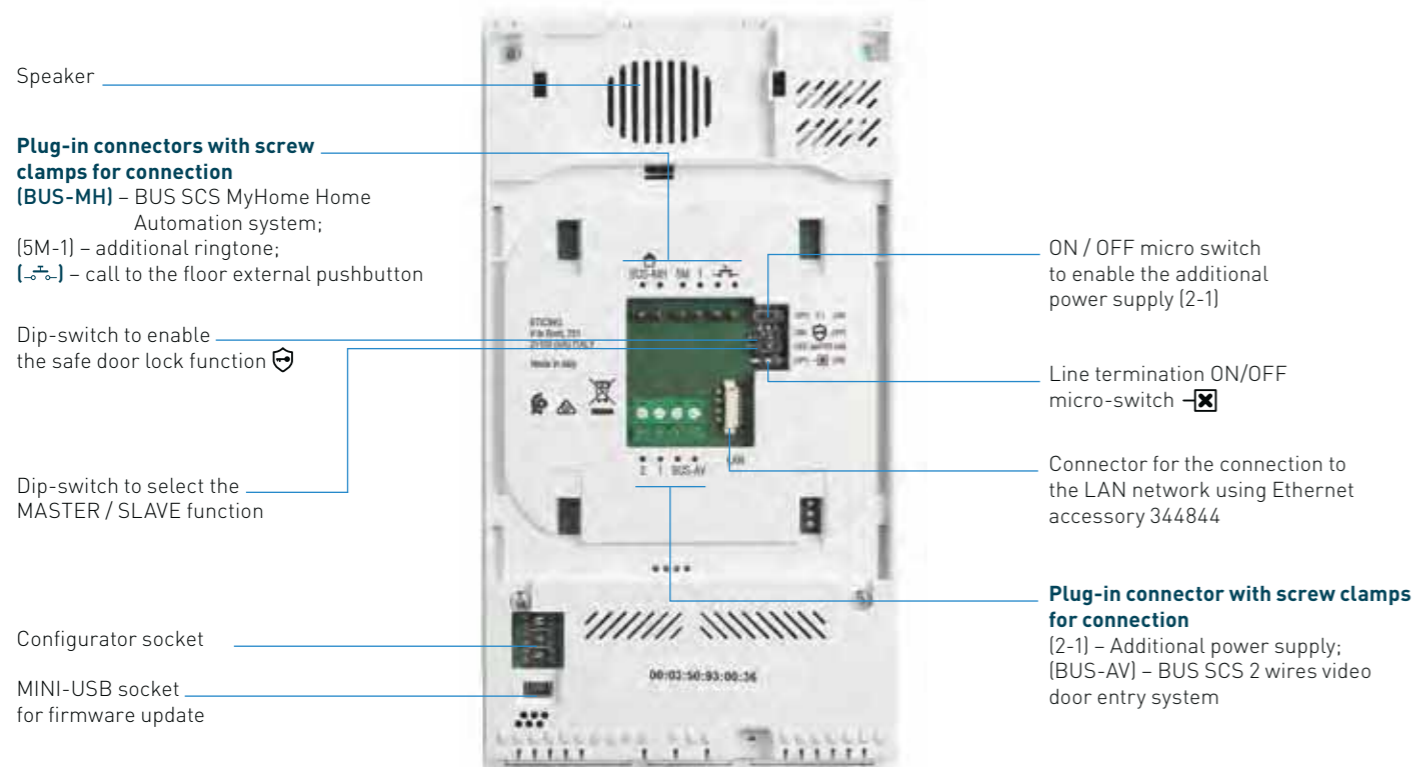
AVAILABLE FUNCTIONS FROM HOME + SECURITY APP	
√	Answer a video door entry system call
√	Activation of the electrical door lock
√	Entrance panel/scrolling activation
√	Staircase light activation
√	Activation and monitoring of the smart Netatmo cameras
√	Management of the Netatmo Security devices (smoke sensor, burglar-alarm siren, opening sensor...)
√	Video door entry answering machine
√	Intercom call from smartphone to video internal unit
√	History of the events

Home + Security

bticino

DIMENSIONAL DATA

344842

[alexa | built-in]

H + S

344844

346020

Pack	Item	**CLASSE 300EOS** **CONNECTED VIDEO INTERNAL UNIT**
1	344842	2 wires/Wi-Fi handsfree connected video internal unit with built-in Amazon Alexa voice assistant, 5" vertical touch screen LCD display and video door entry answering machine. It has a physical key for door lock release and capacitive keys for the control of the main video door entry functions: handsfree communication, entrance panel activation /camera scrolling and Favourite key (can be configured to activate the quick actions most frequently used – e.g. additional door locks, staircase light control, intercom). There are notification LEDs for: Wi-Fi network connection status, info / notifications and call exclusion. It is possible to easily interact with the built-in Alexa voice assistant, either using the dedicated capacitive keys or with your voice, and activate several functions, such as the video door entry functions, Smart Home, scenarios, reminders etc. Using the touch display, it is possible to access the notification list, as well as your favourite door entry, security and Smart Home controls (if any). Possibility of voice communication with the switchboard - if present in the system - after a specific call. The device must be configured by physically connecting the configurators, or using the menu, which will give better possibilities of customisation of associated functions and texts. Thanks to the Wi-Fi connection, you can associate the video internal unit to the Home + Security App (available for Android and iOS). The App allows to use the main video internal unit functions (receiving calls, door lock release, display of the event timeline and activation of the entrance panel/camera cycling). Through the Home + Security App, it is also possible to manage the products of the Netatmo security range (outdoor and indoor cameras, door and window sensors, indoor siren and smoke detector). This allows you to quickly and easily create a Smart security system. The device also allows to create and manage Smart Home functions, using the wired SCS BUS solution or the Zigbee solution, without the need for adding dedicated gateways. Wall mounted installation using the supplied bracket Possibility of Wi-Fi connection or using RJ45 ethernet cable with the dedicated accessory 344844.

Pack	Item	**ETHERNET ACCESSORY**
1	344844	Accessory cable for the wired connection of the Classe 300EOS video internal unit using an RJ45 Ethernet cable. To be purchased separately.

Pack	Item	**2 DIN ADDITIONAL POWER SUPPLY**
1	346020	Additional 2 DIN power supply to be used to supply the connected CLASSE 300EOS video internal unit (344842) locally, when required.

CLASSE 300EOS CONNECTED VIDEO INTERNAL UNIT

121   32

222

344842

Size in mm
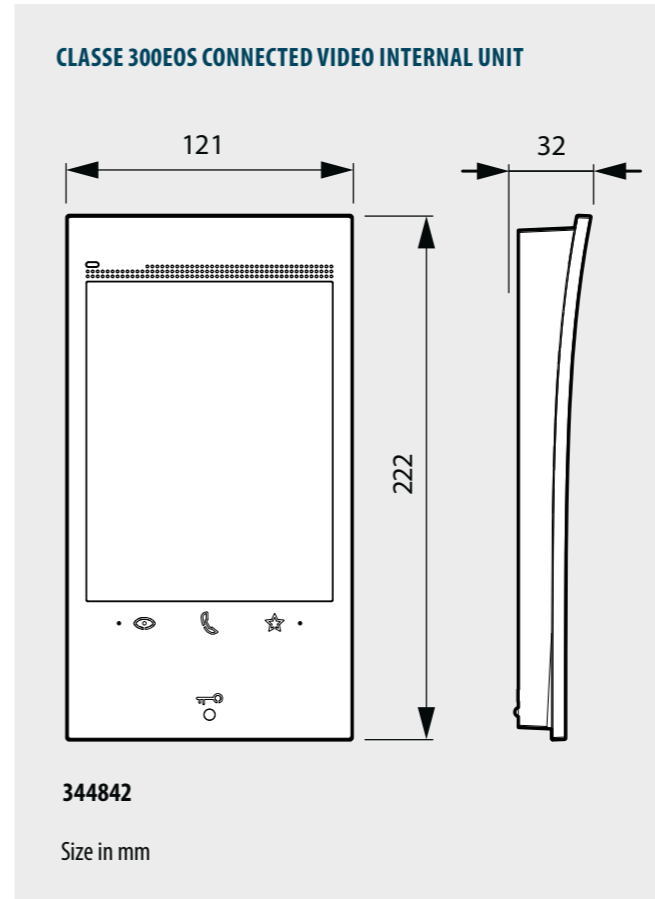
Classe 300EOS with Netatmo
Legal notes

To use the video door entry call repeat service on a smartphone, the customer must acquire the technical equipment which allows access to the Internet, on the basis of an agreement made by the customer himself with an ISP (Internet Service Provider). BTicino plays no part in this. The customer must install the Home + Security App on his smartphone so that he can use some services which BTicino supplies as extras to the normal basic functions of the Classe 300EOS video internal unit. The services offered by means of the App require being able to interact with Classe 300EOS remotely and through the Internet.
In these cases, the integration and good working between the video internal unit and App may depend on:
a) quality of the Wi-Fi signal;
b) type of access contract to the home internet;
c) type of data contract on the smartphone

When one of these 3 elements does not conform with the specifications required for product operation, BTicino accepts no responsibility for any faults. The product supports a VoIP streaming system. You must therefore check with your smartphone contract – data network – that it does not block it. We should also like to inform you that the service provided by BTicino – remote use via App – involves the use of data. The cost linked to data usage depends on the type of contract which the customer has with his ISP (Internet Service Provider) and is solely the customer's responsibility.

Classe 100X16E
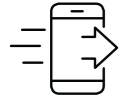
Eliot is the BTicino program dedicated to connected objects (Internet of things) which identifies all those products or systems which, because they can connect to the Cloud, give added value in terms of functionality, information, interactions with the environment and use.

eliot
PROGRAM BY BTICINO

Compatible with
Netatmo

Video internal unit compatible with NETATMO Smart Indoor and Smart Outdoor cameras.

Now the standard is connected

BTicino renews the range of **Classe 100** indoor units by introducing Wi-Fi connectivity in the standard video door entry system offer. The result is a range of video and audio indoor units with a modern and elegant design, capable of meeting all installation needs.

Built-in connectivity for constant connection with the home.

22 apt Up to **22 apartments** without dedicated power supply.

Immediate association with the **Door Entry CLASSE 100X App**.

Ideal for the refurbishment of old door entry systems.

No extra work for the installer; **easier to use** for the end user.

After being connected to **Classe 100X**, the smartphone becomes an "additional virtual video indoor unit" that can be used to answer calls, activate the opening of the door locks and activate the system cameras.

bticino

2 WIRES SYSTEM

Door Entry App
Classe 100X

Conceived for easy daily use

HOME PAGE
SCREEN
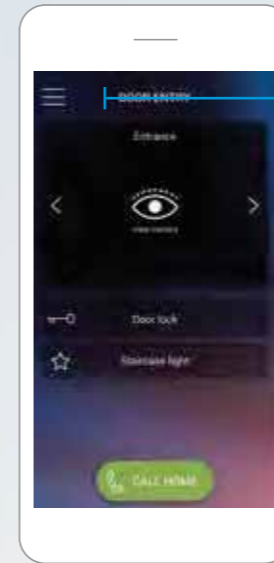
App settings

Camera
display

Door lock
management

Call home
directly

CAMERA ACTIVATION
SCREEN
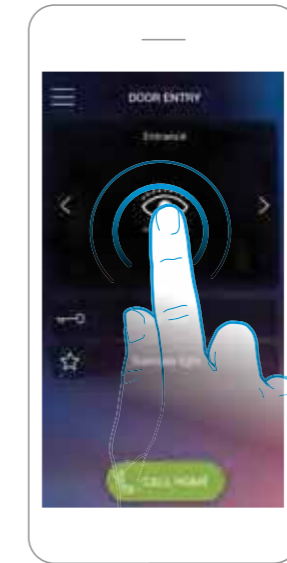
Select the camera and
press to activate it

A simple touch for the end user

DOOR ENTRY is the App which
allows, using the smartphone,
to manage the video indoor unit
calls locally and remotely or with
a simple touch.
- open the gate,
- activate cameras,
- switch on the timed lights in
  the garden.

DOOR
ENTRY

bticino

Answering the indoor
unit is as easy as
answering a normal
telephone call
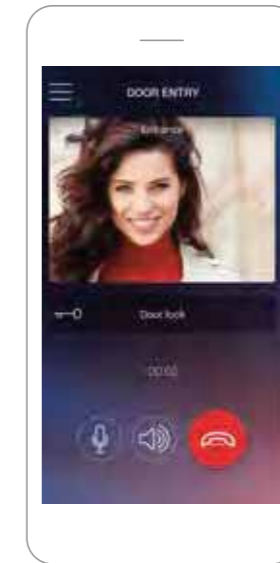
Call in progress

To open the door slide
the key to the right – you
will avoid opening the
door accidentally

bticino

Compatible with **Netatmo**

Open at integration with connected devices
to extend your user experience

BTICINO
Classe 100X **WiFi**

Compatible with **Netatmo**

Video internal unit compatible with NETATMO Smart Indoor and Smart Outdoor cameras.

NETATMO
Smart Indoor Camera

By installing or updating the **DOOR ENTRY CLASSE 100X** App on your smartphone, you can connect and view the images of Netatmo Smart cameras on your video internal unit, both in new and existing systems.
No additional wiring / accessory is required: the association is done directly from the App in a few simple guided steps.

CONNECTED AND INTEROPERABLE

From now on the integration with the **NETATMO** Smart Indoor and Smart Outdoor Cameras simplifies and strengthens the control of your home. It displays video from your BTicino and NETATMO cameras in an integrated way, answers the courier who rings your internal unit and checks that he delivers the package you are waiting for. All this is now possible from a single application: **DOOR ENTRY CLASSE 100X.**.

BTICINO
Door Entry App

NETATMO
Smart Outdoor Camera

DO YOU WANT TO KNOW MORE? Go to the site **www.bticino.com**

DO YOU WANT TO KNOW MORE? Go to the site **www.netatmo.com**

WWW.BTICINO.COM

	Classe 100 X16E	Classe 100 V16E	Classe 100 V16B	Classe 100 A16E	Classe 100 A16M
	344682	344672	344652	344282	344292

FEATURES

5" colour LCD display	●	●	●		
Handsfree	●	●	●	●	
Finish	white	white	white	white	white
Available in KIT	364614				
Installation	wall / table	wall / table	wall / table	wall / table	wall / table

AVAILABLE FUNCTIONS FROM AUDIO / VIDEO INDOOR UNIT

Door lock activation	●	●	●	●	●
Staircase light activation	●	●	●	●	●
EP / Scrolling activation	●	●	●	●	●
Intercom (1)	●	●	●	●	●
Inductive loop (2)	●	●			
Floor call	●	●	●	●	●
4 configurable keys	●	●		●	●
No. of available ringtones	20	20	20	20	20
Professional Studio (Office)	●	●		●	●
Wi-Fi connectivity	●				

AVAILABLE FUNCTIONS FROM DOOR ENTRY APP

Answer video door entry system calls	●				
Door lock activation	●				
Netatmo Smart cameras interoperability	●				
Staircase light activation	●				
Intercom call from smartphone to video indoor unit	●				
EP / Scrolling activation	●				

1) Audio call, max. 3 minutes, between indoor units of the same apartment/different apartments
2) Use by people wearing hearing aids fitted with T selector

Front view

Touch sensitive controls

Door lock activation

Entrance panel/camera scrolling activation

Staircase light activation

Customisable controls for the activation of accessory functions (e.g. intercom, activation of additional door lock, various activations)

LED notifications

Wi-Fi Connection

Ringtone exclusion

Physical control — Enable the handsfree communication

Tactile guide

Physical control — Disable the handsfree communication

Rear view

Plug-in connectors with screw clamps for connections

Adjustment and programming menu access and navigation joystick

Line termination ON/OFF micro-switch

ON / OFF micro switch to enable the additional power supply

USB mini socket for firmware update

ON / OFF micro switch to enable the Safe Door Lock function

Configurator socket

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2 WIRES SYSTEM

344682

Compatible with
Netatmo

Door Entry
CLASSE 100X App

344672

344652

344282

344292

344692

346020

Pack	Item	CLASSE 100X16E connected video indoor unit
1	344682	2 WIRES/Wi-Fi handsfree connected video indoor unit with inductive loop and 5" colour LCD display It has 2 physical keys for the control of the main video door entry functions – answer and end a call – it has 3 touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are further 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations. The device has a side lever to adjust: colour, brightness and display contrast, audio volume, call tone volume and Wi-Fi configuration. There are call exclusion notification LEDs and Wi-Fi. Also, thanks to the Wi-Fi connection, you can associate the video indoor unit to the Door Entry App (available for Android and iOS). You can manage the main video indoor unit functions (receiving calls, opening the door lock, activating the entrance panel/scrolling, firmware updating and additional activations) from the App. The installation can be made to the wall using the bracket (supplied) or using table support accessories (2 x 344692) – to be purchased separately. The device also has Professional Studio (Office) function and must be configured.

Pack	Item	CLASSE 100V16E video indoor unit
1	344672	2 WIRES handsfree video indoor unit , with inductive loop and 5" colour LCD display It has 2 physical keys for the control of the main video door entry functions – answer and end a call – it has 3 touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are further 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations. The video indoor unit has a side lever to adjust: colour, brightness and display contrast, audio and call tone volume. There is a call exclusion notification LED. The installation can be made to the wall using the bracket (supplied) or using table support accessories (2 x 344692) – to be purchased separately. The device also has Professional Studio (Office) function and must be configured.

		CLASSE 100V16B video indoor unit
1	344652	2 WIRES handsfree video indoor unit with 5" colour LCD display. The device has 2 physical keys for the control of the main video door entry functions – answer and end a call – and 3 touch keys that allow the door lock release, the entrance panel activation/scrolling and the customisation of a most frequently used quick action – e.g. staircase light control, intercom, additional door lock activation, generic activations. The device has a side lever to adjust: colour, brightness and display contrast, audio and call tone volume. There is a call exclusion notification LED. The installation can be made to the wall using the bracket (supplied) or using table support accessories (2 x 344692) – to be purchased separately. The device must be configured.

Pack	Item	CLASSE 100A16E HANDSFREE audio indoor unit
1	344282	2 WIRES handsfree audio indoor unit for wall mounted or table installation. It has 2 physical keys for the control of the main functions – answer and end a call – and has 3 touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are further 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations. The device has a side lever to adjust the audio volume and call tone and a call exclusion notification LED. The installation can be made to the wall using the bracket (supplied) or using table support accessory (1 x 344692) – to be purchased separately. The device also has Professional Studio (Office) function and must be configured.

		CLASSE 100A16M audio indoor unit with handset
1	344292	2 WIRES audio indoor unit with handset for wall mounted or table installation. It has 3 touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are further 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations. Ringtone volume adjustment (with call exclusion) using the appropriate selector. The installation can be made to the wall using the bracket (supplied) or using table support accessory (1 x 344692) – to be purchased separately. The device also has Professional Studio (Office) function and must be configured.

Pack	Item	Accessories - table support - cable - sockets
1	344692	Table support accessory for CLASSE 100 audio and video indoor units.

		2 DIN additional power supply
1	346020	Additional 2 DIN power supply to be used for the local power supply to connected CLASSE 100x16E (344682) video indoor units in multi-family systems in complexes with more than 22 apartments.

344242   344232

346310

Pack	Item	**SPRINT L2 audio handsets**
1	344242	2 WIRE audio handset (without the possibility of fitting with accessories) for audio systems and mixed audio /video systems. Wall mounted installation without the need of accessories. With door lock release key and auxiliary functions key (that can be configured). Ringtone volume adjustable on 3 levels. White
1	344232	As item 344242 but with call to the floor function

1 Simple and modern design

2 Ringtone volume, adjustable to 3 levels
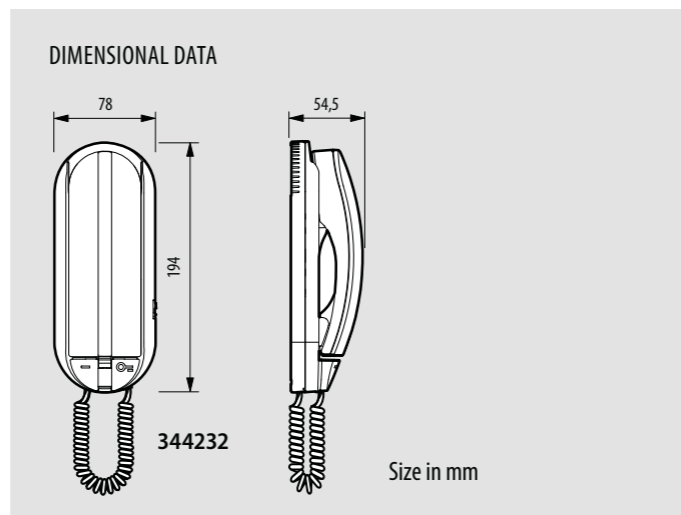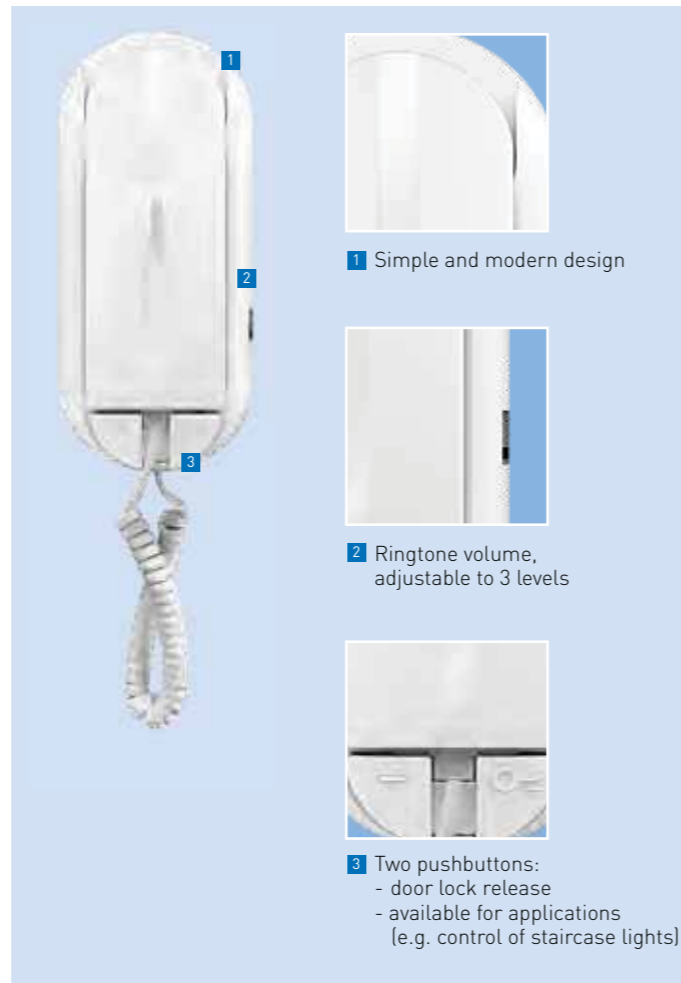
3 Two pushbuttons:
- door lock release
- available for applications (e.g. control of staircase lights)

Pack	Item	**Switchboard and accessories**
1	346310	Switchboard for 2 WIRE audio and video systems. Allows access to various services (video door entry functions, door lock/staircase light management and apartment alarm monitoring) directly from the keypad or via the intuitive icon menu. The switchboard is supplied with an integrated table supporting frame and also features a 7" colour LCD display, receiver and speaker phone, dedicated keys for the main functions and keys which can be configured. The programming can be carried out directly from the device or via PC with TiSwitchBoardDevice software (supplied). The device can manage the phonics of the riser EP (i.e. wired downstream of interface 346851); it cannot however manage the apartment EP (i.e. wired downstream of interface 346850). The use of an additional power supply is recommended. It is possible to connect up to a max. of 16 switchboards (configured from 0 to 15). **WARNING: the switchboard cannot be used in systems with 2 WIRE-IP interface 346890. The new HIERARCHICAL mode is available only with the entrance panels of the following series: Sfera New, Linea 100, Minisfera, Linea 300.**

DIMENSIONAL DATA

78   54,5

194

344232   Size in mm

Alarm reception and management

Camera enabling

Entrance panel call reception

Lift activation

Intercom calls

Door lock release

bticino
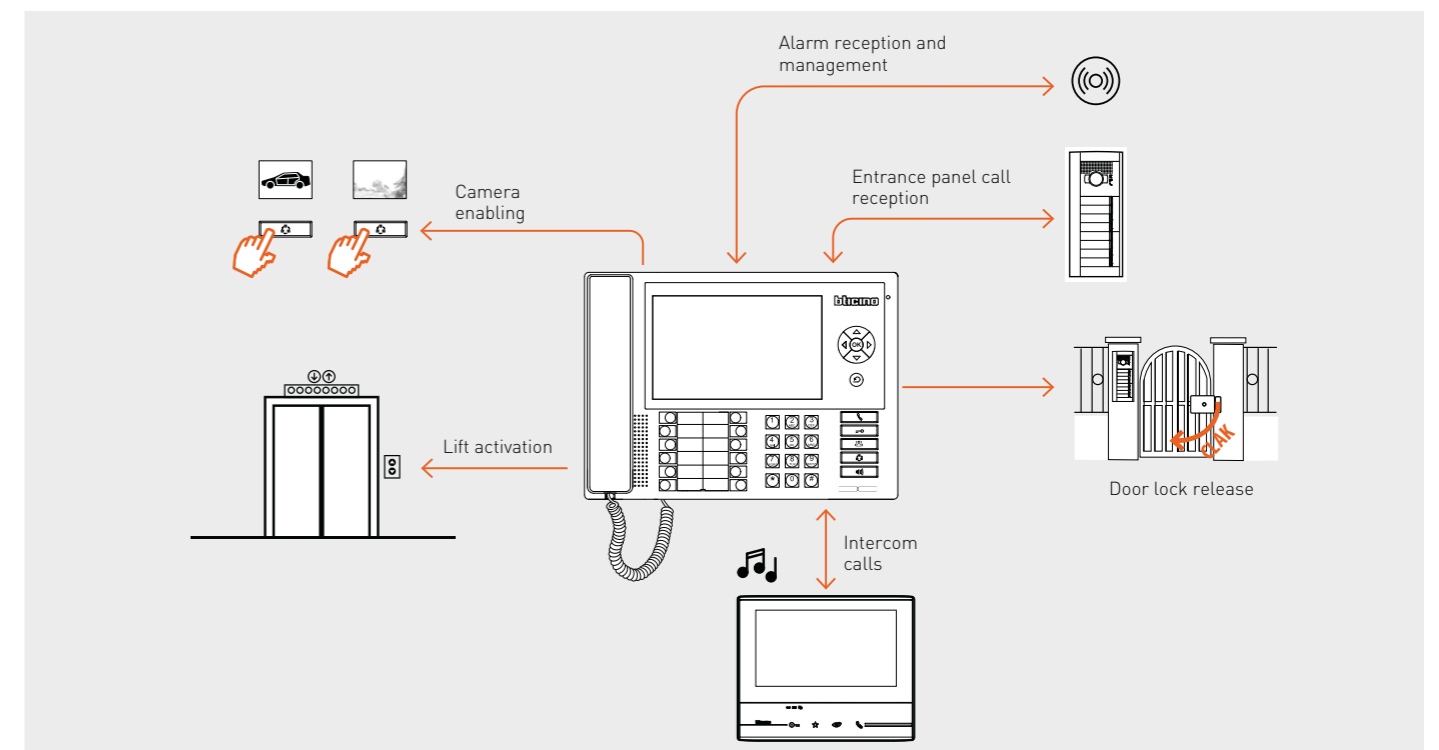
SYSTEM ACCESSORIES
Accessories

2 WIRES SYSTEM

346050 ▣ SELV   346030 ▣ SELV

F441   346850   346851

346040 ▣ SELV   346020 ▣ SELV

SYSTEM
accessories
Range

Pack	Item	Power supplies
1	346050	Power supply for 2 WIRES system in 6 DIN modular enclosure. Power supply 110 – 240 Vac @ 50 – 60 Hz. The output provides two power supplies in very low safety voltage (one on the 3 TK BUS, IU BUS and SCS clamps, one on the 1 - 2 clamp) to be used alternately and NOT at the same time. To be used in audio, video or mixed audio video systems. The video adapter is integrated in the device (item 346830 must not be used). It is therefore possible to avoid the use of the A/V node (F441) or the Multi-channel Matrix (F441M), if three junctions (MAX 2 IU + 1 TK risers or 1 IU + MAX 2 TK risers) are not exceeded in total from the clamps. It can also be used as additional power supply (1 - 2 output) for the local power supply of the preset internal units or entrance panels (in this case it is not possible to use other outputs). The device is electronically protected against overload and short circuit. It is a SELV double insulation safety device. The installation must be made in compliance with current regulations. The device must not be configured. **WARNING: the (IU BUS), (TK BUS) and (SCS) outputs can be used at the same time respecting the total maximum absorption of 1.2 A. WARNING: Disconnect the power supply for 5 minutes after overload or short circuit.**
1	346040	Power supply for 2 WIRES audio systems in 6 DIN modular enclosure. Power supply 110 – 240 Vac @ 50-60 Hz. The output provides 26 Vdc low rated voltage, and a maximum rated current of 600 mA and it is protected on the PRI side (with fuse) against overload and short circuit. It is a SELV double insulation safety device.
1	346030	Mini power supply with integrated video adapter to make small 2-WIRES video systems (intercom). 2 DIN modular enclosure. Power supply 230 Vac @ 50-60 Hz. The output provides 27 Vdc continuous low voltage, with maximum current of 600 mA and it is protected on the PRI side (with fuse) against overload and short circuit. It is a SELV double insulation safety device.
1	346020	Additional power supply to be used to supply the set up entrance panels and internal units locally. 2 DIN modular enclosure. Power supply 230 Vac @ 50-60 Hz. The output provides 27 Vdc continuous low voltage, with maximum current of 600 mA and it is protected on the PRI side (with fuse) against overload and short circuit. It is a SELV double insulation safety device.

Pack	Item	Video mixers
1	F441	Audio video node in 6-DIN modular enclosure set up with 4 input terminals and 4 output terminals. Can connect up to 4 source devices (entrance panels or cameras) in input and up to 4 2-WIRES video risers in output. The device must be used with the system power supply 346000. It must be used as an alternative to the audio video adapter 346830

Pack	Item	System interfaces
1	346850	Apartment interface in 4 DIN modular enclosure. Can interface a dedicated apartment video door system with local CCTV, sound system and control of the Home automation applications to a 2-WIRES riser. The device must be configured using physical configurators
1	346851	System expansion interface in 4 DIN modular enclosure. Can double the length of the entrance panel-internal unit line, create risers with independent sound and expand the performance of the apartment system. The device must be configured using physical configurators
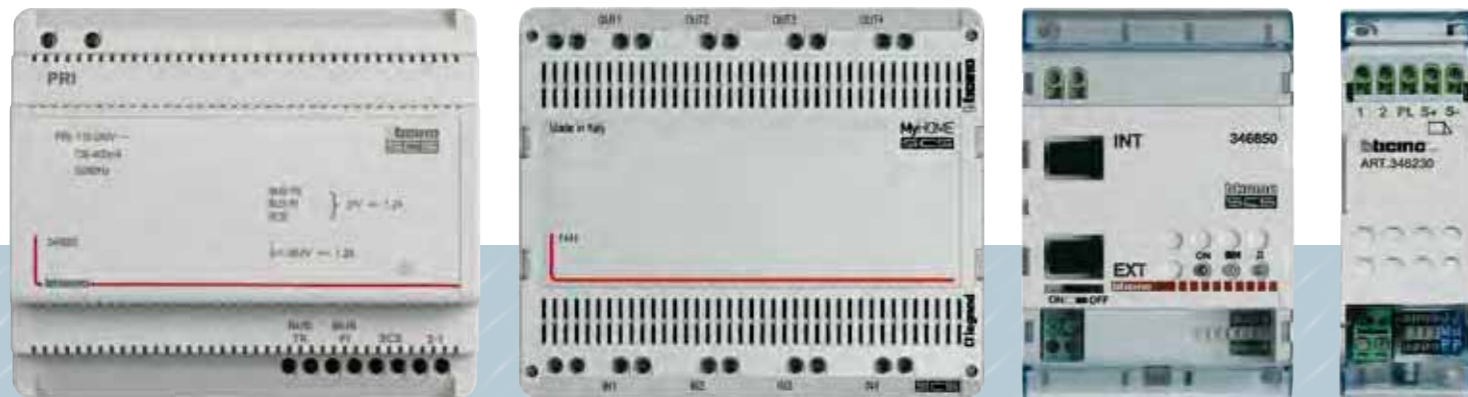
346260 346210

346841 347400 346870

346991 336904 3515

346993

346250 3499 354000

3501/1 3501K

Pack	Item	Interfaces with other BTicino systems
1	346150	8/2-WIRES interface in 6 DIN modular enclosure. Can make mixed video door entry systems (8-WIRES digital backbone/2-WIRES risers). The device must be configured using physical configurators
1	349410	Analogue/2 WIRES interface in 4 DIN modular enclosure. Can interface a dedicated apartment 2-WIRE video door entry system with cameras and control of the MyHOME applications to an analogue riser, digital 8-WIRES, audio TERSYSTEM and VIDEOPORTER 2000.

DIN actuators

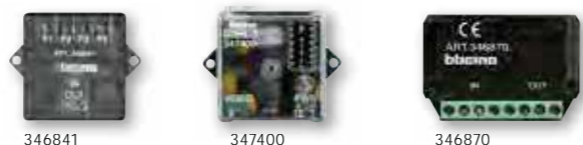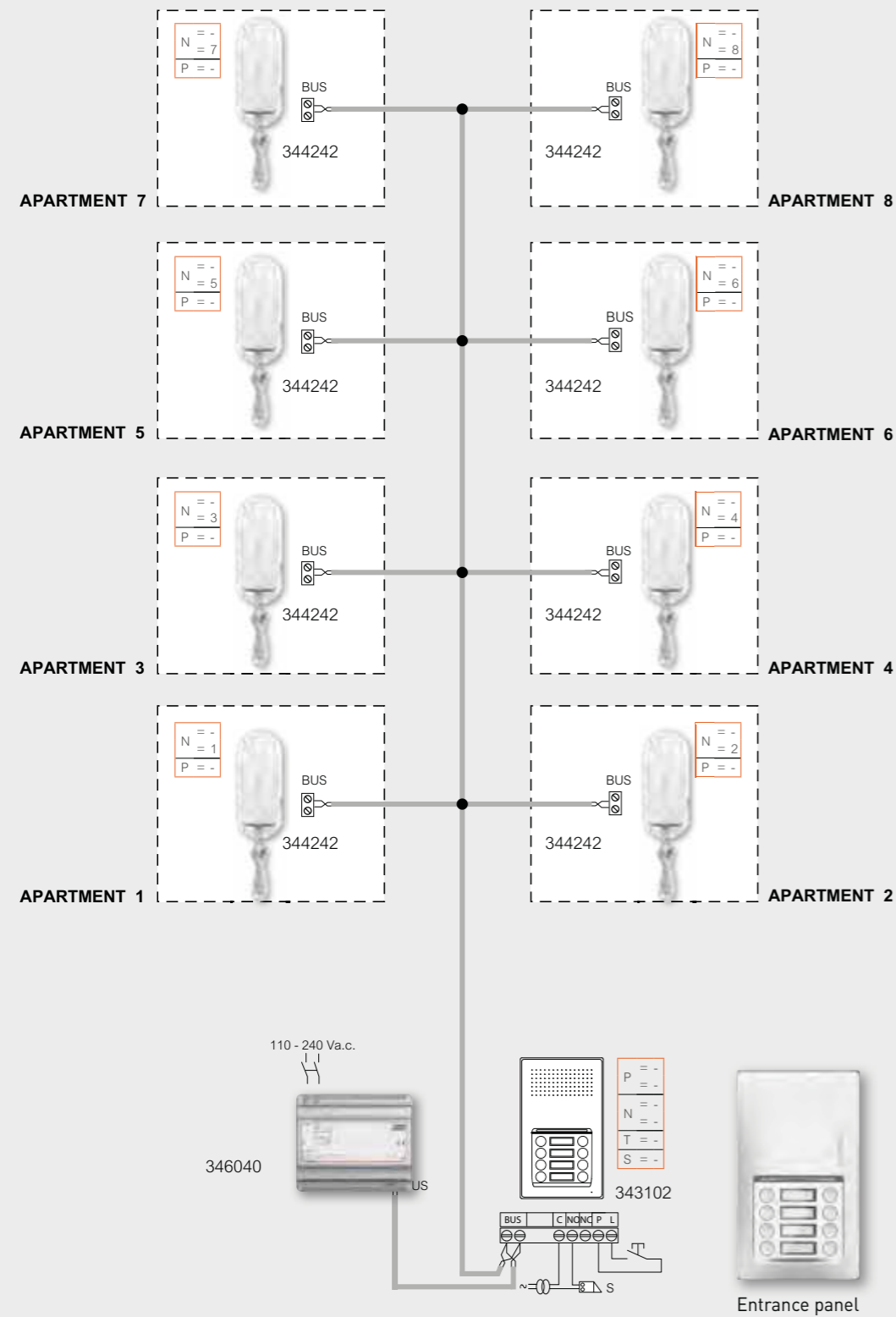| Pack	Item	
1	346210	Relay actuator in 2 DIN modular enclosure. Can switch on lights, open gates, repeat the call on bells (MOD=SLA) or control other devices from the video internal units. The device must be configured using physical configurators
1	346230	Door lock relay actuator in 2 DIN modular enclosure. Can supply power and activate an electrical door lock. The device must be configured using physical configurators
1	346260	Timed door lock relay actuator in 4 DIN modular enclosure. Can switch on lights, open gates or manage electro-magnetic door locks, timed door opening and door lock status (with NC contact). The device must be configured using physical configurators

Pack	Item	Devices in basic enclosure
1	346841	Floor shunt with 4 outputs Can make 2-WIRES video door entry systems with star wiring distribution. The device automatically adapts the video signal. Its small size means it can also be placed inside the flush-mounted box
1	347400	Interface for the conversion of the coaxial signal into a 2 WIRES BUS signal. It can be used to connect to the BUS of the 2 WIRES 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

Wiring accessories

Pack	Item	
1	346870	2 WIRES video amplifier. In video systems wired using non-twisted wires, where the distance between the entrance panels and the internal unit exceeds 50 metres, it enables increasing such distance to up to 100 metres
1	346250	Relay module for gate opening to be used with LINEA 2000, LINEA 3000, MINISFERA and SFERA pushbutton panels. Can open door locks (NOT managed by BUS) by means of the entrance panel
5	3499	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
1	354000	Flat cable for the connection of several SFERA NEW and SFERA ROBUR pushbutton modules. Length 470 mm

Pack	Item	Universal speaker unit and expansion module
1	346991	The universal speaker unit can be used to install the 2 WIRES 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, as base, contacts for the connection of 8 call keys: to make systems with more keys (up to 56 using the 346000 power supply and up to 24 with the 346010 power supply one or more key expension modules must be used (1 every 8 pushbuttons).
1	346992	Expansion module for connecting more than 8 call keys to item 346991 - max. 6 modules (56 calls max.) with power supply 346000. Max. 2 modules (24 calls max.) with power supply 346010

Cable for systems

Pack	Item	
1	336904	Specific cable for 2 WIRES video door entry applications with 2 twisted conductors. It can be installed in underground piping, in accordance with standards (CEI 20-13 and CEI 20-14). It ensures the best performance in video systems (higher distance between EP and Handset when compared with other cables). 200 m coil

Configurators (package of 10 pieces)

Pack	Item	
10	3501/0	Configurator 0
10	3501/1	Configurator 1
10	3501/2	Configurator 2
10	3501/3	Configurator 3
10	3501/4	Configurator 4
10	3501/5	Configurator 5
10	3501/6	Configurator 6
10	3501/7	Configurator 7
10	3501/8	Configurator 8
10	3501/9	Configurator 9
10	3501/JMP	Configurator JMP

Configurator kit

Pack	Item	
1	3501K	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 (3502) - 1 plastic screwdriver

Video system

EXAMPLE OF MULTI-FAMILY AUDIO SYSTEM

APARTMENT 7

N = 7
P = -

BUS
344242

APARTMENT 8

N = 8
P = -

BUS
344242

APARTMENT 5

N = 5
P = -

BUS
344242

APARTMENT 6

N = 6
P = -

BUS
344242

APARTMENT 3

N = 3
P = -

BUS
344242

APARTMENT 4

N = 4
P = -

BUS
344242

APARTMENT 1

N = 1
P = -

BUS
344242

APARTMENT 2

N = 2
P = -

BUS
344242

110 - 240 Va.c.

346040

US

P = -
N = -
T = -
S = -

343102

Entrance panel

BUS | C NC NO P L

~ S

EXAMPLE OF MULTI-FAMILY VIDEO SYSTEM

APARTMENT 18

ON

N = 1
= 8
P = -
M = -

BUS
344652

APARTMENT 16

ON

N = 1
= 6
P = -
M = -

346841

BUS
344652

APARTMENT 2

ON

N = -
= 2
P = -
M = -

346841

BUS
344672

APARTMENT 1

ON

N = -
= 1
P = -
M = -

346841

BUS
344672

351200

352100

352100

P = -
N = 1
S = -
T = -
M = -
J1 = -
JMP

Entrance panel

BUS 2 1 PL S+ S-

S

110 - 240 Va.c.

346050

D45
THE HIGH-PERFORMANCE
SYSTEM

INSTALLATION OF UP TO:

4000
Apartments

800
Handsets per riser

80
Entrance panels per riser

16
Switchboards

100
Riser shunts

1 km
Distance for colour video installation

Audio Intercom

Digital call entrance panel

Switchboard operation as a comprehensive alarm management device: alarm receipt, recording and storage functions.
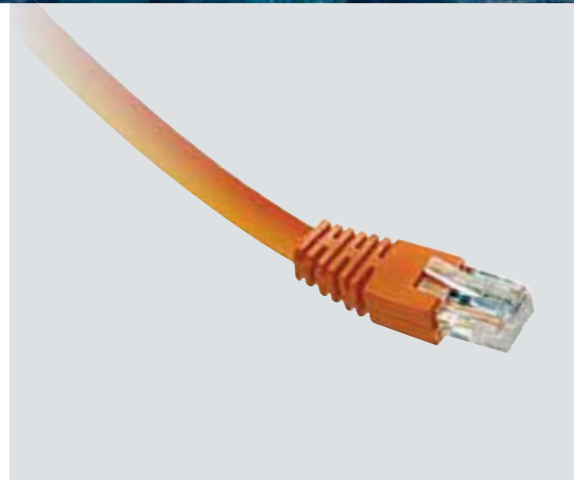
- Security monitoring system with digital BUS technologies
- High efficiency system and quick installation for both backbone and riser devices thanks to the use of cat.5e UTP cables and RJ45 connections
- Call, doorbell, conversation, monitor, unlock, network and alarms functions

COMPLEXES WITH LARGE NUMBER OF APARTMENTS

Anti-tamper function on all indoor handsets
Possibility to connect an additional camera to the switchboard
Intercom between all the apartment of the riser
SOS pushbutton on all indoor handsets
Lift control function

THE MAIN DEVICES

ENTRANCE PANEL

	DIGITAL COLOUR ENTRANCE PANEL	10 CALL PUSHBUTTONS ENTRANCE PANEL	20 CALL PUSHBUTTONS ENTRANCE PANEL	SMALL ENTRY PANEL COLOR

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

	322011	322030	322031	322020
Colour video	●	●	●	●
Finishes / Colours	Zamak	Zamak	Zamak	Aluminium
Wall mounted installation				●
Flush mounted installation	●	●	●	
Pushbutton call		●	●	●
Digital call	●			
Door lock release with keypad	●			
Power supply	30 Vdc	30 Vdc	30 Vdc	12 Vdc
Horizontal resolution camera	540 TV lines	540 TV lines	540 TV lines	420 TV lines
Protection index	IP54	IP54	IP54	IP54
Protection index against mechanical impact	IK07	IK07	IK07	IK07
Max. number of calls	4000	10 up to 100 with additional pushbutton modules	20 up to 100 with additional pushbutton modules	1

VIDEO HANDSETS

	COLOUR HANDS FREE 7" ALARM	COLOUR HANDS FREE 7"	COLOUR HANDS FREE 3.5"

Audio and video handsets for the audio and video reception of entrance panel calls. Using the available icons, the advanced devices can be used to manage the video door entry system functions and the home automation functions. Available in various look and installation models.

	322050	322052	321060
Colour video	●	●	●
Handsfree	●	●	●
Finishes / Colours	White	White	White
Display	7" 480x234	7" 480x234	3.5" 320x240
Memory function			
Slot SD Card			
Alarm management	●		
SOS function	●	●	●
Door lock release	●	●	●
Scrolling EP activation	●	●	●
Intercom	●		
Power supply	30 Vdc	30 Vdc	30 Vdc
Type of installation	Wall mounted	Wall mounted	Wall mounted

ENTRANCE PANELS

INTERNAL UNITS

bticino

322010
322011

322030

322031

322020

322050

322052

321060

322040

323001

Pack	Item	**Digital call colour entrance panels**
		Zamak digital call entrance panel with keyboard, LCD display and colour camera. Equipped with door lock release and burglar alarm notification. Configuration screen menu and software upgrade without the need to dismantle the device. Flush-mounting installation (flush-mounting box sold with the street panel)
1	322010	Without addresses list
1	322011	With addresses list
		Nameplate module
1	322012	Zamak nameplate module to install at the side of the digital call entrance panel Item 322011 to insert the list of residents or customised messages. Easy insertion / replacement of nameplates. Flush-mounting installation (flush-mounting box supplied)
		Pushbutton call colour street panels
		Zamak pushbutton entrance panel with pushbuttons colour camera. Flush-mounting installation (flush-mounting box supplied)
1´	322030	With 10 call pushbuttons
1	322031	With 20 call pushbuttons NOTE: Wall flush-mounted box available on demand, please contact us

Pack	Item	**Single call small video entrance panel**
1	322020	Aluminium alloy single call small entrance panel to be installed in one-family systems or as private entrance panel in multifamily systems. Touch-sensitive pushbutton for calling indoor handsets and direct conversation. Double verified intercom calls Surface-mounting

Pack	Item	**Hands-free colour internal units**
		For standard video entry functions
	322052	Hands-free colour internal unit with 7" TFT LED (16/9 format), SOS function, door lock release and scroling EP activation
		For standard video door entry functions plus Intercom
		Equipped for standard video door entry functions plus intercom with other internal units, direct call to the switchboard, SOS pushbutton and possibility of direct connection with alarm sensors. 12 different ringtones. Wall-mounting
1	322050	Hands-free slim colour internal unit with alarm function, with 7" TFT LED backlit screen (16/9 format)

Pack	Item	**Hands-free colour internal units**
		For standard video door entry functions plus direct call
1	321060	Hands-free colour internal unit with 3.5" TFT LED backlit screen. Equipped for standard video door entry functions plus direct call to the switchboard and entrance panel camera activation. 12 different ringtones. Wall-mounting
		Audio handset internal unit
1	322040	Handset audio internal unit, equipped for standard door entry system functions. Possibility to connect an external SOS call switch. Wall-mounting.
		Switchboard
1	323001	Table-top switchboard unit with high resolution 7" LCD display with graphic icons. Able to communicate with internal units, entrance panels and other devices. Manages incoming calls and alarms. Possibility to save up to 1000 calls and alarms and to directly connect an external coax camera. Equipped with 12 shortcut pushbuttons for direct access of calls and services

Dimensional data

MODEL NAME	ITEM	DIMENSIONS (mm)
Entrance panel with call address list	322010 / 322011	325 x 125 x 44,5
Single call small video entrance panel	322020	141 x 108 x 31
10 Call pushbuttons entrance panel	322030	325 x 125 x 63
20 Call pushbuttons entrance panel	322031	325 x 125 x 63
Targa module	322012	325 x 125 x 44,5

Dimensional data

MODEL NAME	ITEM	DIMENSIONS (mm)
3.5" Handsfree internal unit	321060	158 x 165 x 29
Audio handset internal unit	322040	141 x 91 x 34
7" hands-free internal unit with alarm	322050	175 x 260 x 23
7" hands-free internal unit	322052	155 x 225 x 29
Porter switchboard	323001	290 x 170 x 165

bticino

D45 SYSTEM

323002   323003   323005   323009

323023   346858

Pack	Item	System accessories
1	323002	**Floor shunt** This is used to convert video signals on the BUS to transfer mode and then distribute them to the connected internal units. To be installed between floors. Each floor shunt can be connected to 4 internal units. DIN rail installation
4	323003	**Riser shunt** Used to connect the riser BUS and system BUS in order to obtain BUS separation. Transfer signals and switch between video and audio channels. Video transfer distance can be increased by setting the gain adjustment dip switch. DIN rail installation
6	323004	**Entrance panel video mixer** Device can mix signals coming from 5 entrance panels. Video transfer distance can be adjusted by setting the gain adjustment dip switch. DIN rail installation
1	323005	**Power supply** System power supply unit able to supply power on the data communication cable and simultaneously provide impedance matching for the audio channel. Protected against short circuits: in case of DC output short circuit, the device will switch to protected mode. Once the problem has been resolved, it will return to normal status automatically. Can also be set up to operate as an auxiliary power supply. Wall-mounting
6	323007	**2-way video splitter** Device splits the BUS signal into two channels where the video signal can only be transferred from input to output. Provides compensation to the two channels separately and adapts the video signal output from the street panel for different distances via settings. Mainly used in riser systems to divide the riser BUS into several channels to adapt the cabling. DIN rail installation

Pack	Item	System accessories (continued)
6	323008	**Basic apartment interface** Device must be used in apartments with 2 or 3 internal units. Interface must be installed between the floor shunt (Item 323002) and the internal units. DIN rail installation
4	323009	**Apartment interface** Device used to expand the number of internal units and add a small street panel. Each device can connect 5 internal units and 1 street panel, providing the intercom function and call or monitor function of the street panel. DIN rail installation
2	323011	**D45/IP interface** IP interface which can be connected to the D45 SYSTEM and BTicino 2 wire/IP System in order to create mixed installations. DIN rail installation

Pack	Item	System accessories (continued)
	323015	**Door lock accessory** Operates electric door locks, particularly the commonly used 12 V cathode locks. When the opening current of an anode lock is over 1 A, this device is also required to operate anode locks. It is generally connected to the street panel to obtain the door lock release control signal. Possible to open door locks by means of external manual switches. Selection of the type of electric door lock release via the jumper configuration line. DIN rail installation

Pack	Item	System accessories (continued)
4	323017	**Lift control interface** For integrating the D45 system with the elevator system. Possibility to manage the elevator directly from the internal unit
4	323019	**System expansion interface** Extends the riser system when the number of internal units installed on the riser exceeds the limit of 400. The interface can increase this limit to 800 handsets. This device is also used to adjust the video gains and improve video transmission quality. DIN rail installation
1	323020	**Configuration tool** Configuration kit consisting of: - SF2 configuration software - Tool interface - Serial extension cable - Flat cable
4	323023	**Small entrance panel video mixer** Interface for the installation of several small entrance panels for each internal unit or for each apartment. Permits to install 4 small entrance panels. By using more than one accessory in series, it's possible to install more than 4 entrance panels
1	346858	**D45 to BTicino 2-wire interface** Switch-over interface to install the BTicino 2-wire door entry system inside the apartment. DIN rail installation

Dimensional data

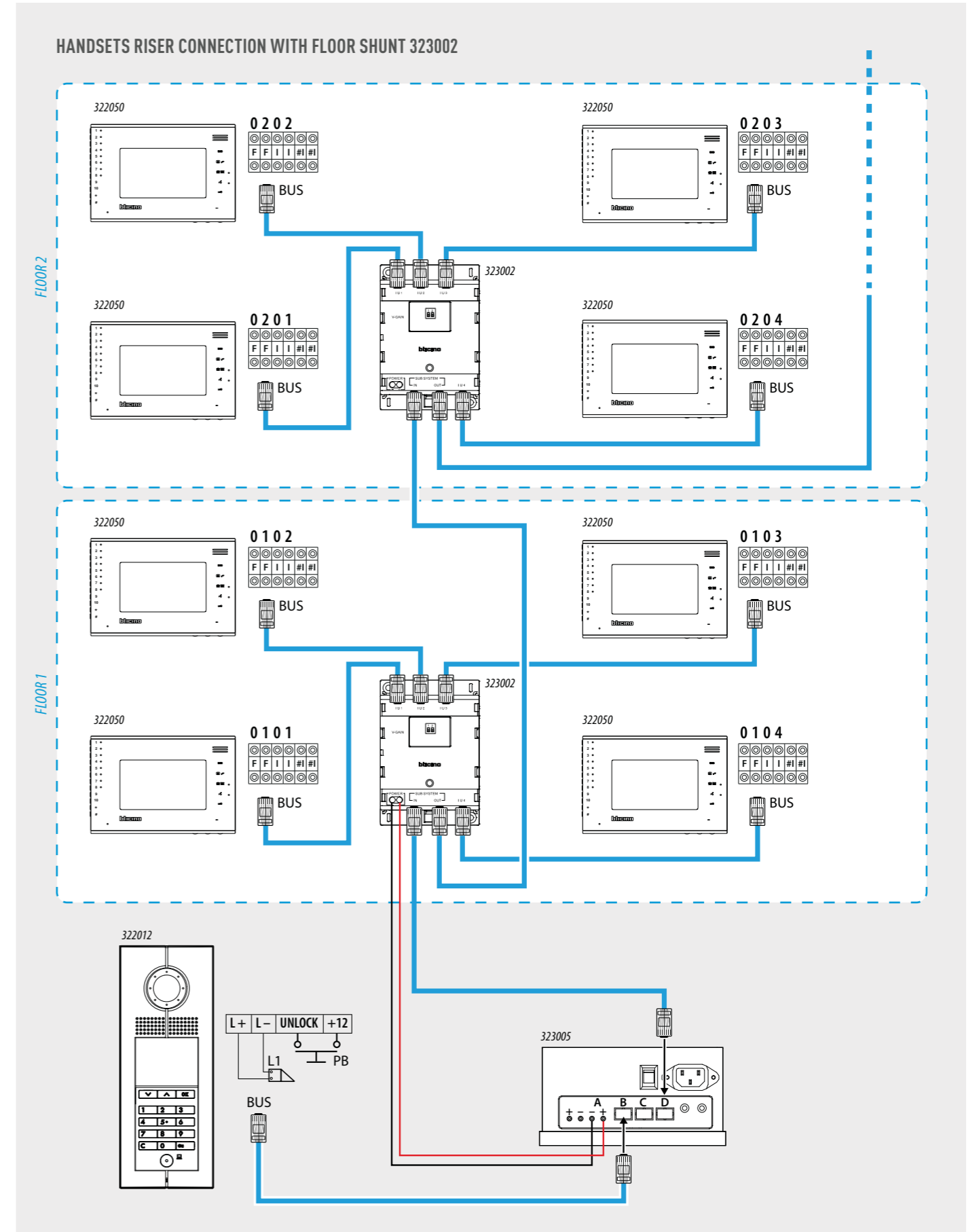| MODEL NAME	ITEM	DIMENSIONS (mm)
Floor shunt	323002	72 x 105 x 33
Riser shunt	323003	106 x 105 x 33
Entrance panel video mixer	323004	72 x 105 x 33
Power supply	323005	167,5 x 161 x 85
2 Branches video splitter	323007	72 x 105 x 33
Basic apartment interface	323008	72 x 105 x 33
Apartment interface	323009	141 x 105 x 33
D45/IP interface	323011	90 x 175 x 60

Dimensional data

MODEL NAME	ITEM	DIMENSIONS (mm)
Door lock accessory	323015	72 x 105 x 33
Lift control interface module	323017	141 x 105 x 33
System expansion interface	323019	106 x 105 x 33
Configuration tool kit	323020	48 x 48
SEP video mixer	323023	141 x 105 x 33
D45/2-wire interface	346858	72 x 105 x 33

3501/0   3501/1   3501/2   3501/3   3501/4   3501/5   3501/6   3501/7   3501/8   3501/9   BT-3501K

| Pack	Item	Configurators
		Accessories for pabx switchboard
10	3501/0	Configurator 0
10	3501/1	Configurator 1
10	3501/2	Configurator 2
10	3501/3	Configurator 3
10	3501/4	Configurator 4
10	3501/5	Configurator 5
10	3501/6	Configurator 6
10	3501/7	Configurator 7
10	3501/8	Configurator 8
10	3501/9	Configurator 9
10	3501/JMP	Configurator JMP
		Configurator kit
1	3501K	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 (3502) - 1 plastic screwdriver

WIRING DIAGRAM EXAMPLE
Video system

HANDSETS RISER CONNECTION WITH FLOOR SHUNT 323002

BACKBONE SYSTEM WITH 1 MAIN ENTRANCE PANEL
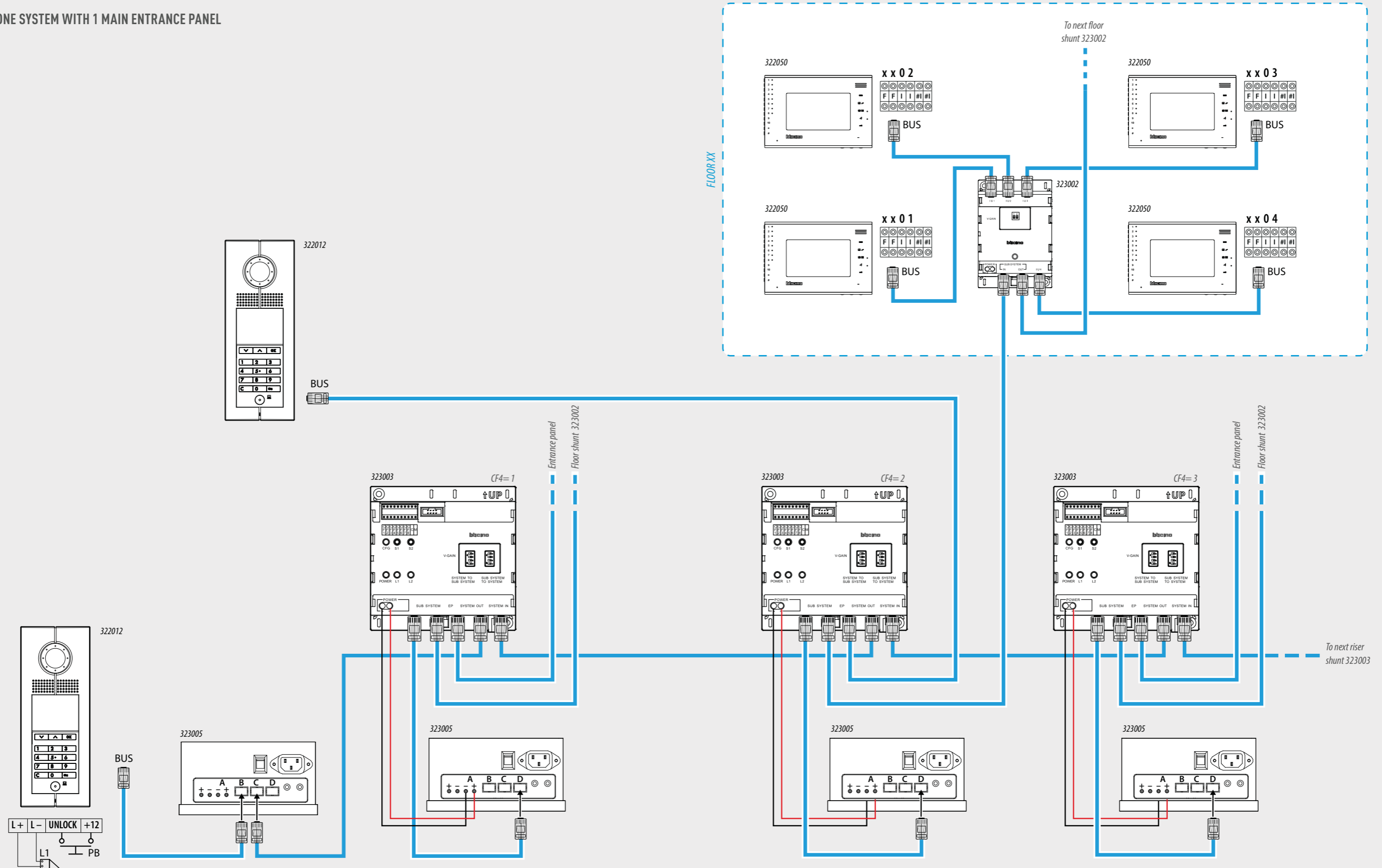
Pre-sale
software

YouDiagram
Software

YouDiagram is the **Legrand** group pre-sale software for the design and configuration of 2 WIRE and D45 VIDEO DOOR ENTRY systems. Intended for professionals to use at the design and costing stages for the installation, design and selection of the devices, as well as for configuration and validation of the system current absorption.The YouDiagram software can be downloaded for free from the website
www.bticino.com

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