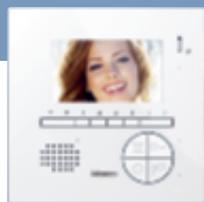


COMPREHENSIVE COMMUNICATION  
AND SECURITY SOLUTIONS



# AUDIO & VIDEO DOOR ENTRY SYSTEMS



THE GLOBAL SPECIALIST IN DOOR ENTRY SYSTEMS





# LEGRAND GROUP

## Specialist in

# AUDIO & VIDEO DOOR ENTRY SYSTEMS

Worldwide leader in the Door Entry Systems market, the Legrand Group provides a wide range of products and systems to guide you in your projects and help you choose the right solution.

From single houses to big compounds, the Legrand Group has the perfect intercom solution to fulfil the needs whatever the project and to ensure security and comfort for everyone.

# SELECT THE TYPE OF APPLICATION TO FIND THE **RIGHT SOLUTION**

## SINGLE HOUSES

### ■ Ready-to-install kits



HOUSE / VILLA  
TWO-FAMILY  
HOUSE

Basic audio and video kits **4**

Expandable audio and video kits **11**

## HOUSES, BUILDINGS & COMPOUNDS

### ■ Flexible and modular systems



HOUSE / VILLA  
TWO-FAMILY  
HOUSE  
RESIDENTIAL  
COMPOUND  
MULTI-STOREY  
BUILDING  
BUILDING  
COMPLEX

2-wire system **14**

D45 system **42**



# FOR EACH APPLICATION, ITS DEDICATED SOLUTION



## SINGLE HOUSES

### ■ Ready-to-install kits

- Just one catalogue number
- Surveillance and gate opening
- Intercom function



### BASIC AUDIO AND VIDEO KITS

- Solutions providing basic functions and plug-in power connections.
- Ideal for simple installations (eg. one-family home, villa...)
- The perfect solution to replace door bells by door entry phone

[Discover our range](#)

4



### EXPANDABLE AUDIO AND VIDEO KITS

- Solutions providing enhanced functions whilst allowing evolutions over time
- Ideal for customized or more complex installations (eg. house extension, two-family house...)

[Discover our range](#)

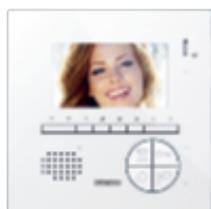
11



## HOUSES, BUILDINGS & COMPOUNDS

### ■ Flexible and modular systems

- Digital solutions with various combinations possible
- Aesthetic and ergonomic products
- A tailored solution for all kinds of application
- Security and comfort functions



### 2-WIRE SYSTEM

- Easy-to-install, time-saving solutions offering maximum versatility
- Ideal for refurbishment
- Made in Italy

[Discover our range](#)

14

### D45 SYSTEM



### D45 SYSTEM

- Highly performant solutions enabling long distance coverage and for a high number of apartments (up to 4000) to be equipped
- Integrated security functions inside the apartments and in public areas of the buildings

[Discover our range](#)

42

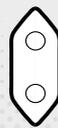
## BASIC AUDIO AND VIDEO KITS

# THE "PLUG-AND-PLAY" SOLUTION

- Easy installation via plug-in power connectors
- Direct connection between street panel and internal unit with one cable
- Additional internal units (max: 2)
- Door lock release key and intercom function



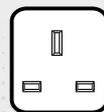
■ Suitable for many countries thanks to 3 different plug standards:



European (2 and 4 wires)



German (4 wires only)



New British (4 wires only)

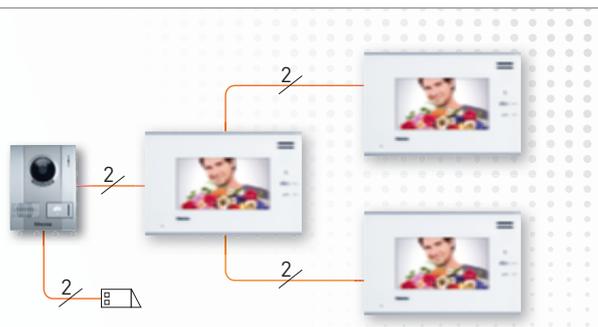
## 2-WIRE "VERY SIMPLE" SOLUTIONS

### One-family hands-free video kits comprising:

- a wall-mounting metal street 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
- Practical and functional: hands-free solutions enabling dialogue while moving freely
- High-resistant, waterproof metal street panels
- 2 non-polarized wires for an error-proof connection



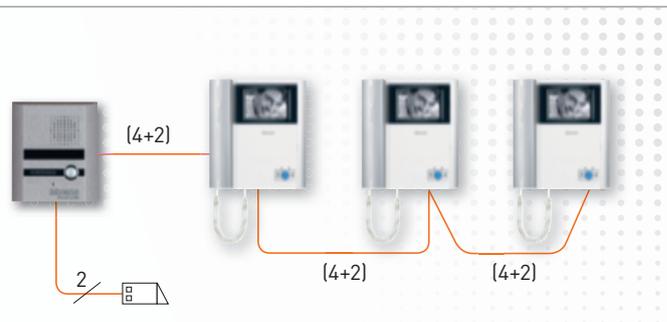
## 4-WIRE "COST-EFFICIENT" SOLUTIONS

### One-family hands-free audio and video kits comprising:

- a wall-mounting metal street panel with LEDs for the illumination of the field of view
- a video colour display internal unit with integrated power supply (plug and cable supplied)
- a wall-mounting base (screws supplied)

### MAIN FEATURES:

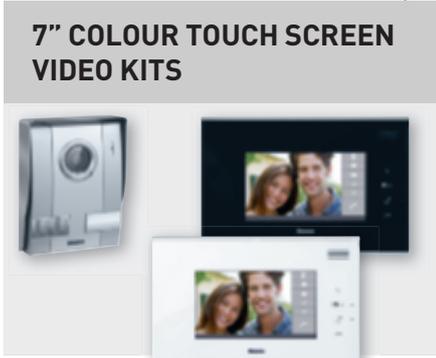
- Electrical door lock release function
- Plug&Play solution with plug-in power supply





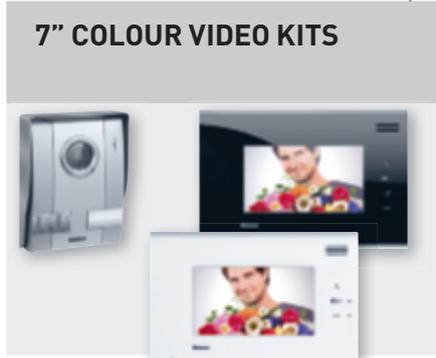
# 2-WIRE SOLUTIONS

## CHOOSE YOUR KIT...



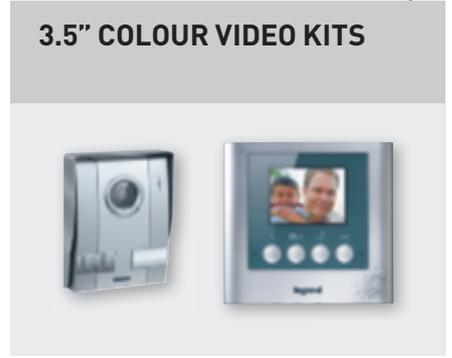
### 7" COLOUR TOUCH SCREEN VIDEO KITS

- 7" colour touch screen video kits
- SD memory card slot
- MP3 music melody
- Visitor face capture
- Digital photo frame function
- Double opening (door and gate)
- Glossy finish
- Black / white colour



### 7" COLOUR VIDEO KITS

- 7" colour video kits
- Double opening (door and gate)
- Glossy finish
- Black / white colour

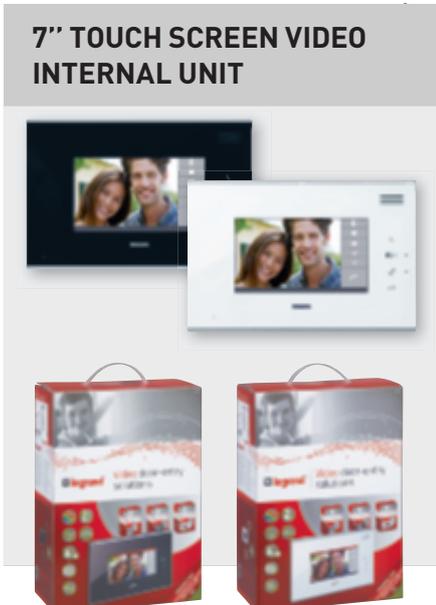


### 3.5" COLOUR VIDEO KITS

- 3.5" colour video kits
- Double opening (door and gate)
- Silver colour

## AND EXPAND IT

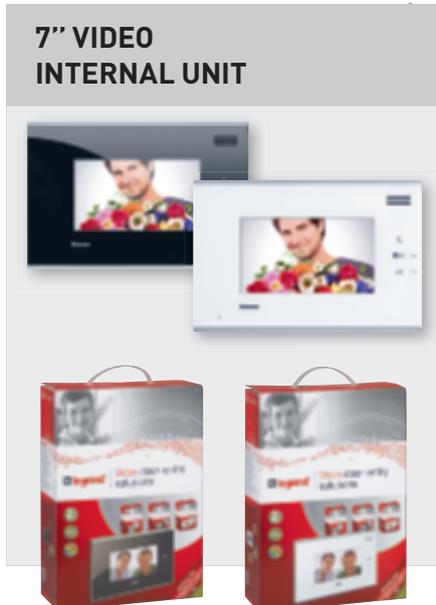
Add up to 2 internal units and benefit from the audio intercom function. Total compatibility means internal units can be mixed and matched as required.



### 7" TOUCH SCREEN VIDEO INTERNAL UNIT

**Black**  
Cat. No:  
LE-369315

**White**  
Cat. No:  
LE-369305



### 7" VIDEO INTERNAL UNIT

**Black**  
Cat. No:  
LE-369215

**White**  
Cat. No:  
LE-369205



### 3.5" VIDEO INTERNAL UNIT

**Grey**  
Cat. No:  
LE-369105



# 4-WIRE SOLUTIONS

## CHOOSE YOUR KIT...

### COLOUR VIDEO KITS



- 7" hands-free kit
- Electronic door lock release

- 3.5" handset kit
- Electronic door lock release

### AUDIO KITS



- Slim street panel and audio handset with transformer equipped with plug (screws supplied)
- Electronic door lock release

## AND EXPAND IT UP TO 2 INTERNAL UNITS

All 4-wire kits can be expanded with up to three dedicated internal units.

### 7" HANDS-FREE VIDEO INTERNAL UNIT



### 3.5" HANDSET VIDEO INTERNAL UNIT



### AUDIO HANDSET INTERNAL UNIT



## Colour video door entry kit

1 apartment - 2-wire



LE-369310 : Complete video kit - black



LE-369200 : Complete video kit - white

2-wire colour video hands-free kit with wall mounted surface-mounting street panel (with rainshield included)  
The kit can be expanded with up to 3 dedicated hands-free internal units

### Pack Cat.Nos 7" colour touch screen video kits

Pack	Cat.Nos	7" colour touch screen video kits
		<b>Complete video kits</b>
		Composition:
		- 1 metal street panel (entrance) with colour camera and LED for the illumination of the field of view
		- 1 hands-free touch screen colour display 7" with audio and picture memory, MP3 melodies and plug in power supply included (Euro plug standard)
1	LE-369300	White
1	LE-369310	Black
		<b>Additional video internal units</b>
1	LE-369305	White
1	LE-369315	Black

### 7" colour video kits

Pack	Cat.Nos	7" colour video kits
		<b>Complete video kits</b>
		Composition:
		- 1 metal street panel (entrance) with colour camera and LED for the illumination of the field of view
		- 1 hands-free colour display 7" with plug in power supply included (Euro plug standard)
1	LE-369200	White
1	LE-369210	Black
		<b>Additional video internal units</b>
1	LE-369205	White
1	LE-369215	Black

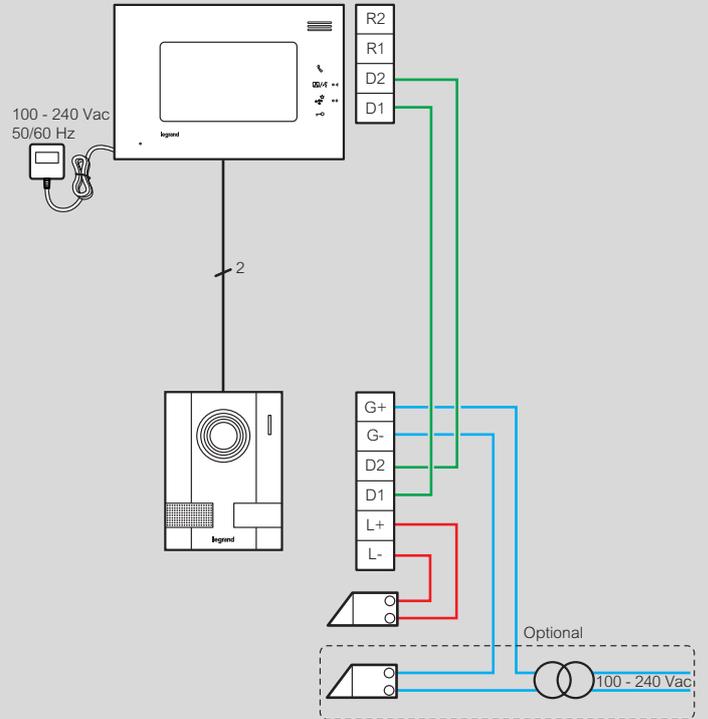
### 3.5" colour video kit

Pack	Cat.Nos	3.5" colour video kit
		<b>Complete video kit</b>
		Composition:
		- 1 metal street panel (entrance) with colour camera and LED for the illumination of the field of view
		- 1 hands-free colour display 3.5" with plug in power supply included (Euro plug standard)
1	LE-369100	Grey
		<b>Additional video internal unit</b>
1	LE-369105	Grey

## Colour video door entry kit

wiring diagrams

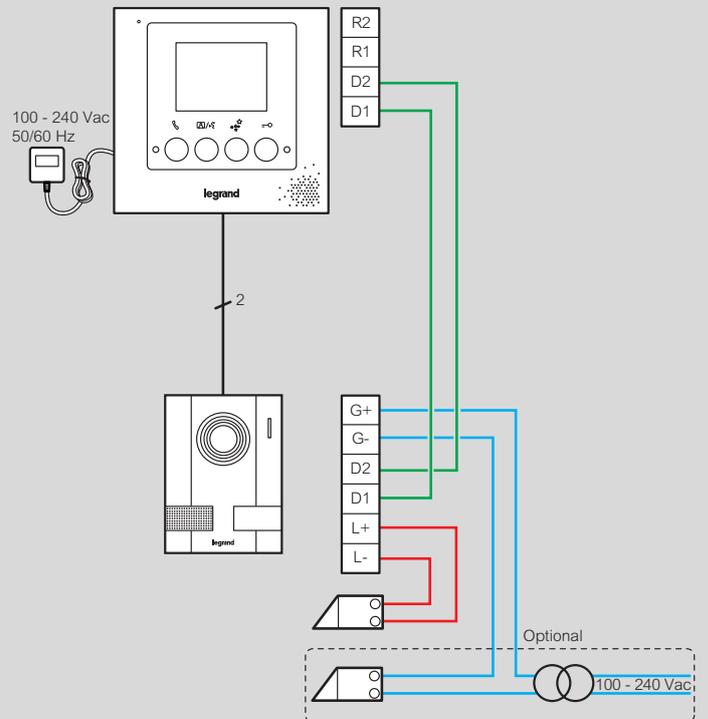
### 7" colour and 7" colour touch screen video kits



#### Cables specifications

2 x 0.5 mm <sup>2</sup>	2 x 1 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
0 - 50 m	0 - 75 m	0 - 100 m

### 3.5" colour video kits



#### Cables specifications

2 x 0.5 mm <sup>2</sup>	2 x 1 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
0 - 50 m	0 - 75 m	0 - 100 m

## Colour video door entry kit

1 apartment - 4-wire



LE-369083 : Complete video kit

Surface-mounting street panel

4 wires (+ 2 to open the gate)

The monitor allows surveillance and opening of the gate

The system allows 2 additional monitors, with intercom function

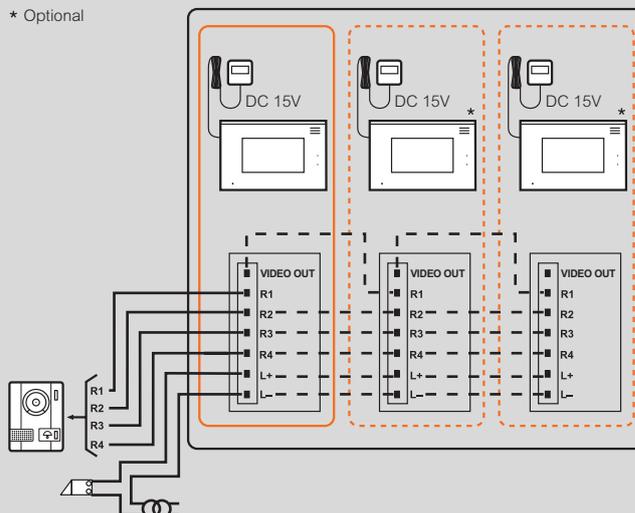
Pack	Cat.Nos	7" colour video kits - hands-free
1	LE-369080	<b>German standard</b> Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 7" monitor with integrated power supply and German standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	LE-369085	Additional video internal unit
1	LE-369083	<b>British standard</b> Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 7" monitor with integrated power supply and British standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	LE-369088	Additional video internal unit
3.5" colour video kits - with handset		
1	LE-369070	<b>German standard</b> Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 3.5" monitor with integrated power supply and German standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	LE-369075	Additional video internal unit
1	LE-369073	<b>British standard</b> Complete video kit Composition: - 1 metal street panel (entrance) with LEDs - 1 colour 3.5" monitor with integrated power supply and British standard plug and cable - 1 wall-mounting base - 1 set of screws for wall fixing
1	LE-369078	Additional video internal unit

## Colour video door entry kit

wiring diagrams

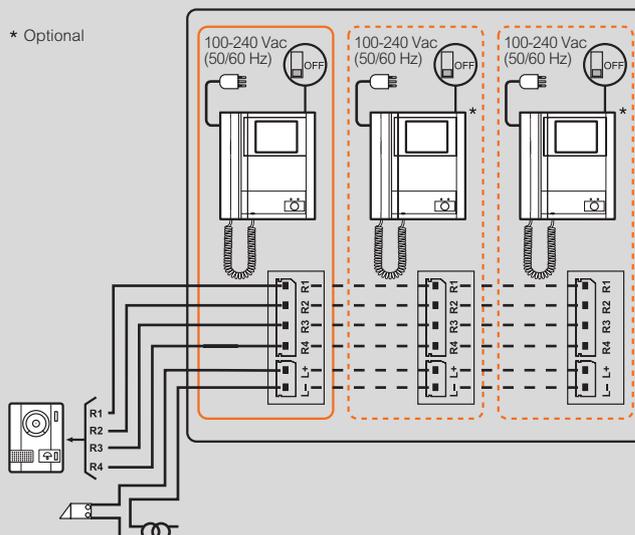
### Colour screen analog video kit - Hands-free

\* Optional



### Colour screen analog video kit - with handset

\* Optional



# Audio door entry kit with handset

1 apartment - 4-wire

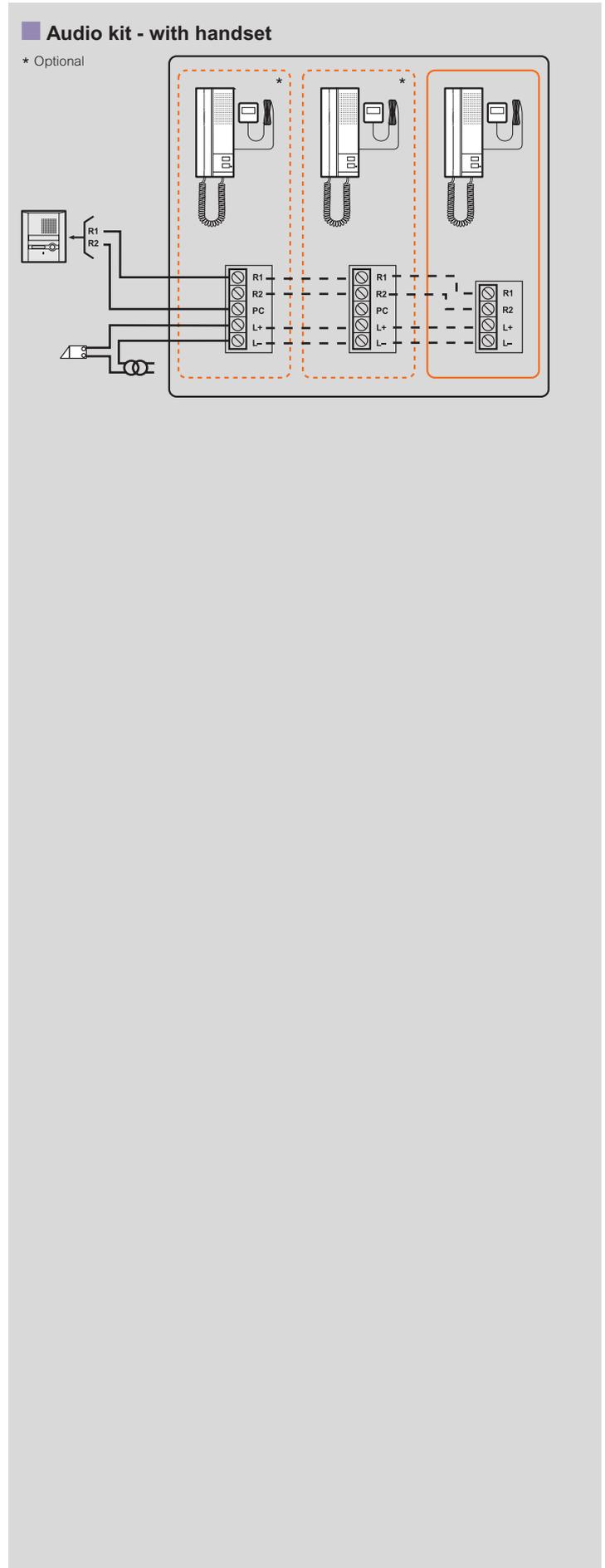


Surface-mounting street panel  
 2-wires (+ 2 to open the gate)  
 Opening of gate with handset  
 The system allows 2 additional audio internal units  
 Can be used as intercom within the house

Pack	Cat.Nos	German standard
1	LE-369000	Complete audio kit Composition: - 1 slim street panel (entrance) - 1 audio handset with transformer equipped with German standard plug - 1 set of screws for wall fixing
1	LE-369005	Additional audio internal unit with transformer equipped with German standard plug
British standard		
1	LE-369003	Complete audio kit Composition: - 1 slim street panel (entrance) - 1 audio handset with transformer equipped with British standard plug - 1 set of screws for wall fixing
1	LE-369008	Additional audio internal unit with transformer equipped with British standard plug

# Audio door entry kit with handset

wiring diagram



EXPANDABLE AUDIO AND VIDEO KITS



# THE 'STARTING BASE' SOLUTION

- 2-wire technology : maximum flexibility and customized composition
- Audio/video call memory and intercom functions
- Suitable for expandable one and two-family home
- Modular Din-rail power supply
- Staircase light activation
- Include a manual with all the technical information required for the installation, connection, features and expansion possibilities.



## EXPANSION

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



### AUDIO KITS



### VIDEO KITS



## Expandable kits

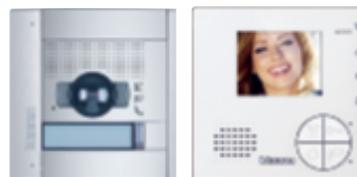
### 2-wire video kits



BT-369711



BT-369421



BT-366511

Colour video display  
Wall-mounting installation

Pack	Cat.Nos	Hands-free kits with call memory
		Each internal unit has an icon menu for the control of video door entry functions and MyHOME automation functions Push-button street panels IK10
1	BT-369711	<b>Surface-mounting</b> One-family kit comprising: - one POLYX memory display 3.5" internal unit - one LINEA 2000 METAL push-button street panel with badge reader - 1 call. Supplied with 6 coloured badges and 2 chips
1	BT-369411	One-family kit comprising: - one POLYX memory display 3.5" internal unit - one LINEA 2000 METAL push-button street panel - 1 call
1	BT-369421	Two-family kit comprising: - two POLYX memory display 3.5" internal units - one LINEA 2000 METAL push-button street panel - 2 calls Surface and flush-mounting Internal units to be surface-mounted Street panels to be flush-mounted
1	BT-369511	One-family kit comprising: - one POLYX memory display 3.5" internal unit - one LINEA 2000 METAL push-button street panel - 1 call
1	BT-369521	Two-family kit comprising: - two POLYX memory display 3.5" internal units - one LINEA 2000 METAL push-button street panel - 2 calls

Pack	Cat.Nos	Hands-free kits - multi-function
1	BT-366611	<b>Surface-mounting</b> One-family kit comprising: - one CLASSE 100 V12B internal unit. Equipped with 4 push-buttons for door lock release, conversation, lighting control (staircase) and street panel/cycling mode activation Table top installation possible with support Cat.No BT-344552 (to be ordered separately, see p.32) - one LINEA 2000 METAL push-button street panel - 1 call. IK 10 / IP 54
1	BT-366621	Two-family kit comprising: - two CLASSE 100 V12B internal units. Equipped with 4 push-buttons for door lock release, conversation, lighting control (staircase) and street panel/cycling mode activation Table top installation possible with support Cat.No BT-344552 (to be ordered separately, see p.32) - one LINEA 2000 METAL push-button street panel - 2 calls. IK 10 / IP 54

Pack	Cat.Nos	Hands-free kit - basic functions
1	BT-366511	<b>Surface and flush-mounting</b> Internal unit to be surface-mounted Street panel to be flush-mounted One-family kit comprising: - one CLASSE 100 V12B internal unit. Table top installation possible with support Cat.No BT-344552 (to be ordered separately, see p.32) - one SFERA audio/video push-button street panel - 1 call This kit can be expanded with up to 50 call push-buttons with additional push-button modules

## Expandable kits

### 2-wire audio kits



BT-364211



BT-366811



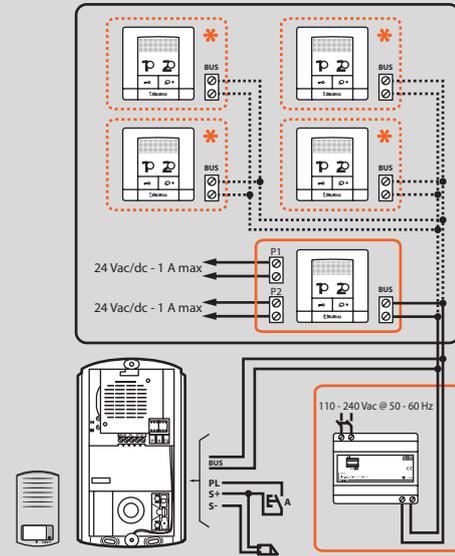
#### Wall-mounting installation

Pack	Cat.Nos	Hands-free kit
1	BT-364211	<b>Surface-mounting</b> One-family kit comprising: - one internal unit Can manage 2 independent contacts (24 V/V~ - 1 A max.) with 1 or 2 push-buttons - one LINEA 2000 push-button street panel - 1 call. IK 07
1	BT-366811	<b>Handset kits</b> <b>Surface-mounting</b> Push-button street panels IK10 One-family kit comprising: - one SPRINT L2 internal unit. Equipped with 2 push-buttons: 1 for door lock release and 1 to be configured for auxiliary functions (staircase lighting control, street panel activation, call to the switchboard...) - one LINEA 2000 push-button street panel - 1 call
1	BT-366821	Two-family kit comprising: - two SPRINT L2 internal units. Equipped with 2 push-buttons: 1 for door lock release and 1 to be configured for auxiliary functions (staircase lighting control, street panel activation, call to the switchboard...) - one LINEA 2000 push-button street panel - 2 calls

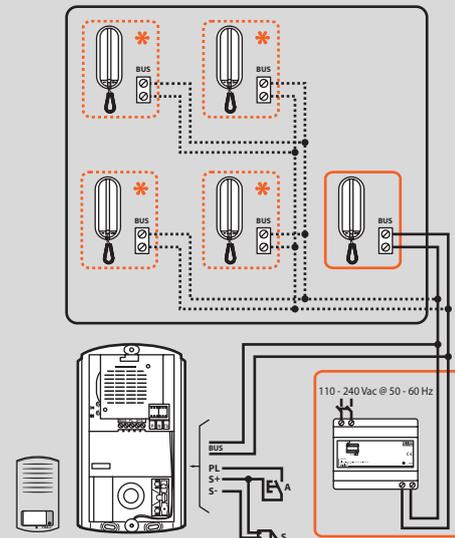
## Expandable kits

### wiring diagrams

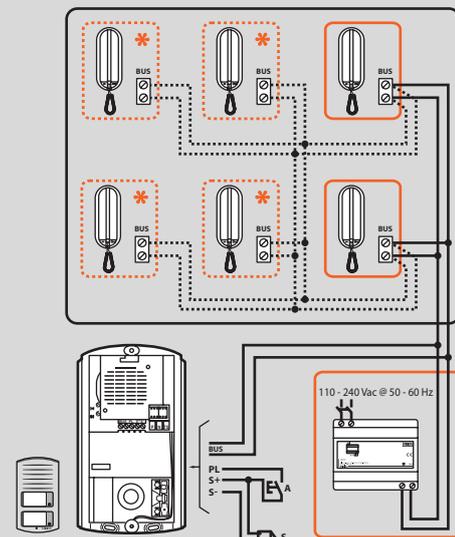
#### 2-wire audio kit Cat.No BT-364211



#### 2-wire audio kit Cat.No BT-366811

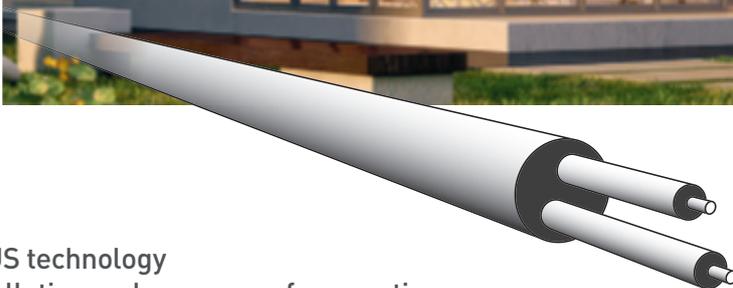


#### 2-wire audio kit Cat.No BT-366821



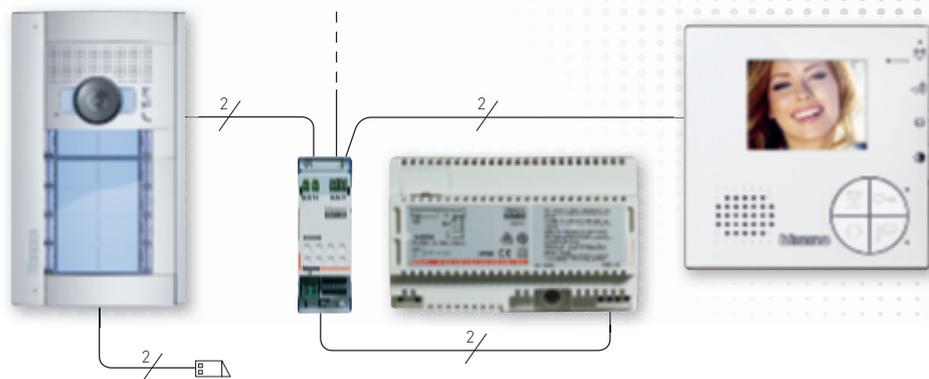
# 2-WIRE

## THE EASIEST SYSTEM



- 2-wire BUS technology
- Easy installation and error-proof connection thanks to the 2 non-polarized wires
- High level of versatility through a wide range of functionalities, from basic to advanced

### 2 NON-POLARIZED WIRES FOR ALL THE SYSTEM





**MAIN FEATURES:**

- Possibility to use existing cables when refurbishing systems
- Based on a non-polarized 2-wire technology
- Possibility to install a door entry system already preset for future conversion into a video system
- Can be integrated and combined with MyHOME automation system applications
- Can be aesthetically integrated with Legrand and BTicino residential ranges



LINEA 2000 METAL  
street panel



CLASSE 100 V12B  
internal unit



SFERA  
street panel

■ **Usage up to:**

<b>3900</b>	Apartments
<b>3900</b>	Apartments video street panels
<b>39</b>	Risers with independent sound mode
<b>5</b>	Handsets per apartment
<b>600m</b>	Distance between street panel and farthest internal unit

→ **D45 system** see page **42**

# 2-WIRE SYSTEM OVERVIEW

## STREET PANELS

Choose from modular, monobloc and vandal-resistant street panels in a variety of styles and finishes, and combine them with any internal unit (see opposite).

### VIDEO



Sfera / Sfera Robur. Page 22-25



Linea 300. Page 31

Linea 2000 Metal. Page 31

### AUDIO



Sfera / Sfera Robur. Page 22-25



Sfera / Sfera Robur.  
Page 22-25



Linea 2000.  
Page 31



Linea 100. Page 31

## INTERNAL UNITS FOR ANY STREET PANEL

From audio and video handsets with simple door entry functions through to multimedia touch screens integrated with building automation systems, select the perfectly adapted internal unit to meet your specific needs and combine it with any street panel!

### VIDEO



Classé 100. Page 33

### WITH HOME AUTOMATION INTEGRATION



MyHOME screen 10"  
Page 35



Axolute. Page 35

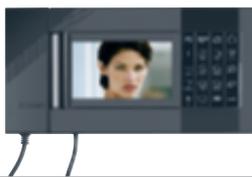


Arteur. Page 36



LivingLight. Page 36

### TELEPHONY AND HOME AUTOMATION



Iryde. Page 35

### AUDIO



Classé 100. Page 34



Arteur. Page 36



Sprint L2. Page 34



SFERA

SFERA ROBUR

# TWO STYLES

## ONE ELECTRONIC HEART

### **2-wire simplicity, maximum performance**

Exceptional audio and video performance as well as fast and simple installation can be achieved with 2-wire Plug&Play technology

- Up to 3,900 dwellings
- 20 handsets per dwelling
- Up to 96 video street panels
- Operable range of 600m between street panel and internal unit

## 2 DESIGNS

### SFERA

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



Audio or video pushbutton street 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 street panel

Digital call



## 12 FUNCTIONS

### TRADITIONAL



Basic speaker module

Speaker module

Audio/video module

4 push-button module



8 push-button 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

## 2-wire system

### SFERA digital function modules



BT-351100



BT-351300



BT-352100



BT-352500



BT-352700

Plates and accessories, see **p. 22-25**

Modules to be equipped with a surround plate

Pack	Cat.Nos	Audio modules	Pack	Cat.Nos	Additional modules for calling functions		
1	BT-351000	Fitted with loudspeaker and microphone volume adjustment buttons Manage up to 100 push-button calls when using additional double row push-button modules (see opposite) Speaker module for audio systems Must be manually configured	1	BT-352000	<b>Push-button modules</b> To be used with speaker modules Cat.Nos BT-351000 / BT-351100 and audio/video modules Cat.Nos BT-351200 / BT-351300 Connection using supplied cable Backlighting of nameplates controlled by the combined speaker or audio/video module		
1	BT-351100	Speaker module for audio and video systems Preset for additional power supply Fitted with front LEDs for the notification of the operating status: door lock release, communication active, put call through, system busy Integrated optic sensor provides backlight for night visibility Device can be configured either manually or via PC and TiSferaDesign software	1	BT-352100	4-push-button module / single row		
			1	BT-354000	8-push-button module / double row Cable for connecting several push-button modules		
			1	BT-352500	<b>Graphic display module</b> To be used with speaker module Cat.No BT-351100 or with audio/video modules Cat.Nos BT-351200 / BT-351300 Can operate in two modes: call from address book or digital call Stores up to 4,000 names When used with the keypad module Cat.No BT-353000 (see opposite), it allows : - direct calls to apartments by entering the number corresponding to the resident - digital calls by entering the numerical code Can be configured either manually or via PC and TiSferaDesign software (available on <a href="http://www.homesystems-legrandgroup.com">www.homesystems-legrandgroup.com</a> , free downloading) Connection to combined modules using supplied cable		
		<b>Video modules</b> For colour video systems Colour camera with 1/3" sensor and LEDs for the lighting of the field of view Mist prevention / heating resistance			<b>Additional modules for door opening functions</b> Fitted with: - relay contacts and clamps for connection of a local door lock release push-button - programming reset push-button and LEDs for visual notification of access status - LEDs for night backlighting May also be used as stand alone units with independent power supply and operation Can be configured either manually or via PC and TiSferaDesign software (available on <a href="http://www.homesystems-legrandgroup.com">www.homesystems-legrandgroup.com</a> , free downloading) Connection to combined modules using supplied cable		
		<b>Colour camera modules</b> Fitted with loudspeaker and microphone volume adjustment buttons Manage up to 98 push-button calls using additional double row push-button modules (see opposite) Preset for additional power supply Front LEDs display notification of operating status: door lock release, communication active, put call through, system busy Integrated optic sensor provides backlight for night visibility Can be configured either manually or via PC and TiSferaDesign software	1	BT-351200	1	BT-353000	<b>Keypad module</b> For door lock release or digital call to an apartment (with display module Cat.No BT-352500) Numerical code can be programmed to open door lock using keypad or using a PC (after downloading the module programming file)
		For standard angle viewing: - horizontal: 92° (105 cm wide view) at 50 cm distance - vertical: 60° (60 cm high view) at 50 cm distance Horizontal and vertical camera position adjustment: +/- 10° in both directions	1	BT-351300			
		For wide angle viewing: - horizontal: 135° angle (240 cm wide view) at 50 cm distance - vertical: 96° angle (115 cm high view) at 50 cm distance	1	BT-352400			
		<b>Night &amp; Day camera module</b> For wide angle viewing: - horizontal: 135° angle (240 cm wide view) at 50 cm distance - vertical: 96° angle (115 cm high view) at 50 cm distance 1/3" sensor with Night & Day function and automatic removal of the IR filter Automatic brightness adjustment Connection to the speaker module Cat.No BT-351100 using supplied cable					

## 2-wire system

### SFERA digital function modules (continued)



BT-353000



BT-353200

Plates and accessories, see **p. 22-25**

Modules to be equipped with a surround plate

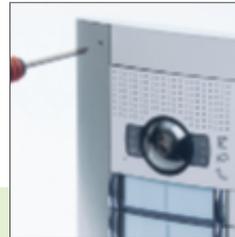
Pack	Cat.Nos	Additional modules for door opening functions (continued)
1	BT-353200	<p><b>RFID badge reader module</b>                      For door lock release by swiping of badge                      Manages up to 20000 badges                      Badges can be programmed from the module itself or using a PC after downloading the module programming file</p>
1	BT-352700	<p><b>Additional module for improved usability</b>                      Inductive loop and control speech synthesis module                      To be used with speaker module Cat.No BT-351100 or with audio /video modules Cat.Nos BT-351200 / BT-351300                      Enables use by people wearing hearing aids (fitted with T selector) or by blind people via voice message synthesis (call active, call ended, no answer, busy, door open)                      Can be configured either manually or via PC and TiSferaDesign software (available on <a href="http://www.homesystems-legrandgroup.com">www.homesystems-legrandgroup.com</a>, free downloading)                      Connection to combined modules using supplied cable</p>
1	BT-352200	<p><b>Additional nameplate module</b>                      For displaying the house number or other notifications (e.g.: legend for calls using digital push-button street panels, opening/ closing times, etc.). Connection using supplied cable                      Night backlighting controlled by the combined speaker module Cat.Nos BT-351000/BT-351100) or audio/video module (Cat.No BT-351200)</p>

## SFERA 2-WIRE SYSTEM

**Simplicity**  
and **efficiency**  
in one system

### EASE OF CONFIGURATION AND MAINTENANCE

#### ■ SFERA



**1** Remove the two socket screws



**2** Open the door

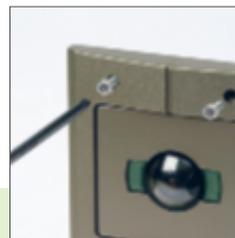


**3** Loosen the clips and slip off the front plate



**4** Access PC configuration and adjustment

#### ■ SFERA<sup>ROBUR</sup>



**1** Remove the 4 screws using the appropriate tool



**2** Remove the surround plate



**3** Loosen the clips and slip off the front plate

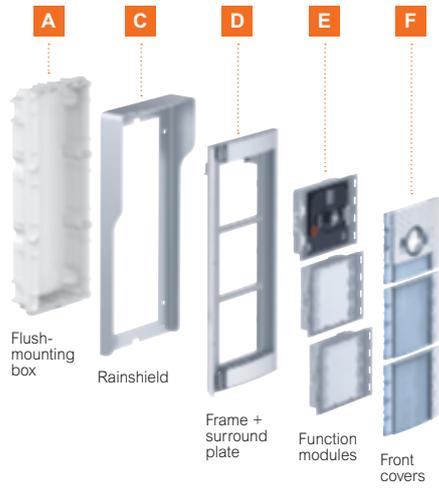
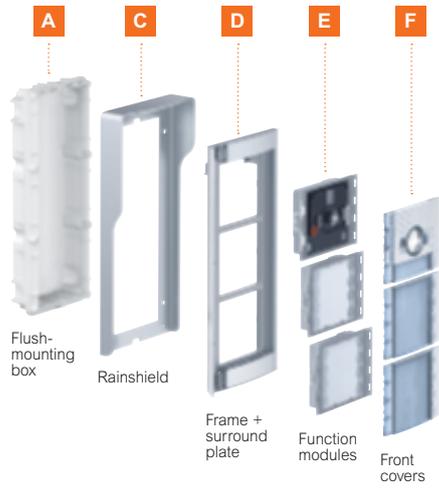
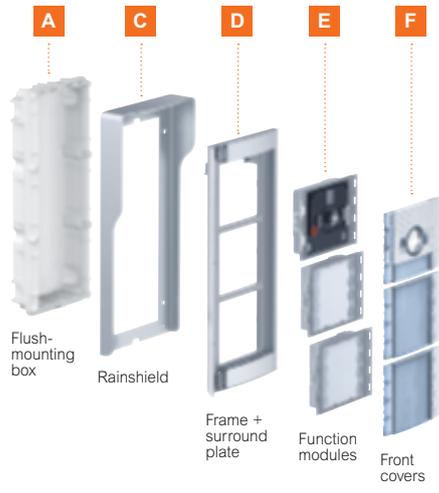
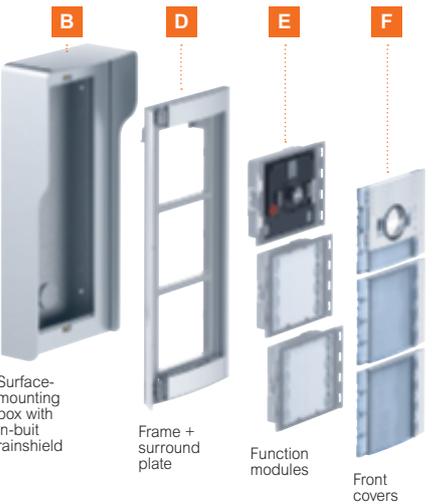


**4** Access PC configuration and adjustment

Technical information, see [www.homesystems-legrandgroup.com](http://www.homesystems-legrandgroup.com)

**2-wire system**

SFERA installation accessories - Examples to select parts of the system

FINISHES	INSTALLATION TYPE	FLUSH-MOUNTING BOXES		RAINSHIELDS (OPTIONAL)		FRAMES/PLATES	
		Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack
<p><b>All metal (silver)</b></p>  <p><b>1</b></p>	<p><b>FLUSH-MOUNTING INSTALLATION</b></p>  <p>Flush-mounting box</p> <p>Rainshield</p> <p>Frame + surround plate</p> <p>Function modules</p> <p>Front covers</p>	<p><b>A</b></p>  <p><b>BT-350010</b> 1 module</p>	1	<p><b>C</b></p>  <p><b>BT-35051..</b> 1 module</p> <p><b>BT-35054..</b> 4 modules</p>	1	<p><b>D</b></p>  <p><b>BT-35021..</b> 1 module</p>	1
		<p><b>BT-350020</b> 2 modules</p>	1	<p><b>BT-35052..</b> 2 modules</p> <p><b>BT-352500</b> 6 modules</p>	1	<p><b>BT-35022..</b> 2 modules</p>	1
		<p><b>BT-350030</b> 3 modules</p>	1	<p><b>BT-35053..</b> 3 modules</p> <p><b>BT-35059..</b> 9 modules</p>	1	<p><b>BT-35023..</b> 3 modules</p>	1
<p><b>All white (white)</b></p>  <p><b>2</b></p>	<p><b>FLUSH-MOUNTING INSTALLATION</b></p>  <p>Flush-mounting box</p> <p>Rainshield</p> <p>Frame + surround plate</p> <p>Function modules</p> <p>Front covers</p>	<p><b>A</b></p>  <p><b>BT-350010</b> 1 module</p>	1	<p><b>C</b></p>  <p><b>BT-35051..</b> 1 module</p> <p><b>BT-35054..</b> 4 modules</p>	1	<p><b>D</b></p>  <p><b>BT-35021..</b> 1 module</p>	1
		<p><b>BT-350020</b> 2 modules</p>	1	<p><b>BT-35052..</b> 2 modules</p> <p><b>BT-352500</b> 6 modules</p>	1	<p><b>BT-35022..</b> 2 modules</p>	1
		<p><b>BT-350030</b> 3 modules</p>	1	<p><b>BT-35053..</b> 3 modules</p> <p><b>BT-35059..</b> 9 modules</p>	1	<p><b>BT-35023..</b> 3 modules</p>	1
<p><b>All street (grey)</b></p>  <p><b>3</b></p>	<p><b>FLUSH-MOUNTING INSTALLATION</b></p>  <p>Flush-mounting box</p> <p>Rainshield</p> <p>Frame + surround plate</p> <p>Function modules</p> <p>Front covers</p>	<p><b>A</b></p>  <p><b>BT-350010</b> 1 module</p>	1	<p><b>C</b></p>  <p><b>BT-35051..</b> 1 module</p> <p><b>BT-35054..</b> 4 modules</p>	1	<p><b>D</b></p>  <p><b>BT-35021..</b> 1 module</p>	1
		<p><b>BT-350020</b> 2 modules</p>	1	<p><b>BT-35052..</b> 2 modules</p> <p><b>BT-352500</b> 6 modules</p>	1	<p><b>BT-35022..</b> 2 modules</p>	1
		<p><b>BT-350030</b> 3 modules</p>	1	<p><b>BT-35053..</b> 3 modules</p> <p><b>BT-35059..</b> 9 modules</p>	1	<p><b>BT-35023..</b> 3 modules</p>	1
	<b>INSTALLATION TYPE</b>	<b>SURFACE-MOUNTING BOXES</b>		<b>FRAMES/PLATES</b>			
	<b>SURFACE-MOUNTING INSTALLATION</b>	Cat.Nos	Pack	Cat.Nos	Pack		
<p><b>All street (grey)</b></p>  <p><b>3</b></p>	<p><b>SURFACE-MOUNTING INSTALLATION</b></p>  <p>Surface-mounting box with in-built rainshield</p> <p>Frame + surround plate</p> <p>Function modules</p> <p>Front covers</p>	<p><b>B</b></p>  <p><b>BT-35061..</b> 1 module</p>	1	<p><b>B</b></p>  <p><b>BT-35064..</b> 4 modules</p>	1	<p><b>D</b></p>  <p><b>BT-35021..</b> 1 module</p>	1
		<p><b>BT-35062..</b> 2 modules</p>	1	<p><b>BT-35066..</b> 6 modules</p>	1	<p><b>BT-35022..</b> 2 modules</p>	1
		<p><b>BT-35063..</b> 3 modules</p>	1	<p><b>BT-35069..</b> 9 modules</p>	1	<p><b>BT-35023..</b> 3 modules</p>	1

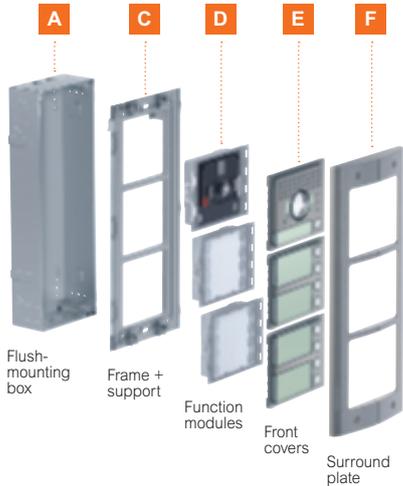
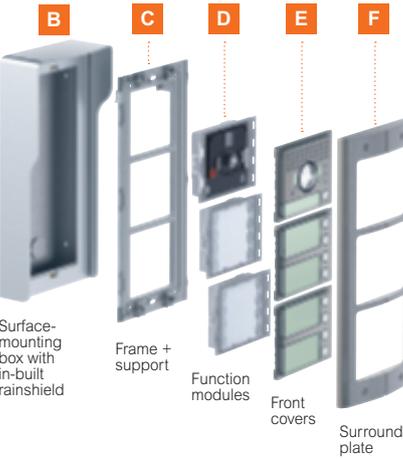
CHOOSE YOUR FINISH: Replace the dots in the Cat. No. with either 1, 2, or 3 to select the desired finish

		DIGITAL FUNCTION MODULES		FRONT COVERS						
		Cat.Nos	Pack	Cat.Nos					Pack	
Speakers	E	 <b>BT-35 1000</b> Basic speaker module	1	F Audio front covers						
		 <b>BT-35100..</b> Basic speaker module		 <b>BT-35101..</b> Basic speaker module 1 push-button	 <b>BT-35102..</b> Basic speaker module 2 push-buttons	 <b>BT-35104..</b> Basic speaker module 2 push-buttons/double row	 <b>BT-35108..</b> Basic speaker module 4 push-buttons/double row	1		
		 <b>BT-351100</b> Speaker module	1	 <b>BT-35110..</b> Speaker module	 <b>BT-35111..</b> Speaker module 1 push-button	 <b>BT-35112..</b> Speaker module 2 push-buttons	 <b>BT-35114..</b> Speaker module 2 push-buttons/double row	 <b>BT-35118..</b> Speaker module 4 push-buttons/double row	1	
Push-buttons		 <b>BT-352000</b> 4 push-buttons/ single row	1	 <b>BT-35203..</b> 2 push-buttons	 <b>BT-35204..</b> 4 push-buttons				1	
		 <b>BT-352100</b> 8 push-buttons/ double row	1	 <b>BT-35216..</b> 6 push-buttons/ double row	 <b>BT-35218..</b> 8 push-buttons/ double row				1	
Cameras	E	 <b>BT-351200</b> Audio/video	1	 <b>BT-35120..</b> Audio/video	 <b>BT-35121..</b> Audio/video 1 push-button	 <b>BT-35122..</b> Audio/video 2 push-buttons/double row				1
		 <b>BT-351300</b> Audio/video with wide angle camera	1	 <b>BT-35130..</b> Audio/video wide angle	 <b>BT-35131..</b> Audio/video wide angle 1 push-button	 <b>BT-35131..</b> Audio/video wide angle 2 push-buttons / double row	 <b>BT-354000</b> Cable for the connection or several push-button modules L= 620 mm			
		 <b>BT-352400</b> Night/day with wide angle camera	1	 <b>BT-35240..</b> Night/day with wide angle camera						
		E				F Miscellaneous front covers				
Miscellaneous		 <b>BT-352500</b> Name plate	1	 <b>BT-35220..</b> Name plate					1	
		 <b>BT-352500</b> Graphic display	1	 <b>BT-35250..</b> Graphic display					1	
		 <b>BT-352700</b> Inductive loop and control speech synthesis	1	 <b>BT-35270..</b> Inductive loop-speech synthesis	 <b>BT-35230..</b> Blanking reader					
		 <b>BT-353200</b> Badge reader	1	 <b>BT-35320..</b> Badge reader						
		 <b>BT-353000</b> Keypad	1	 <b>BT-35300..</b> Keypad					1	

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

**2-wire system**

SFERA<sup>ROBUR</sup> vandal-resistant installation accessories - Examples to select parts of the system

FINISHES	INSTALLATION TYPE	FLUSH-MOUNTING BOXES		SUPPORT FRAMES		FRAMES/PLATES	
	FLUSH-MOUNTING INSTALLATION	Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack
<p><b>Vandal-resistant (ROBUR)</b></p> 	 <p>Flush-mounting box</p> <p>Frame + support</p> <p>Function modules</p> <p>Front covers</p> <p>Surround plate</p>	<p><b>A</b></p>  <p><b>BT-350110</b> 1 module</p>  <p><b>BT-350120</b> 2 modules</p>  <p><b>BT-350130</b> 3 modules</p>	<p>1</p> <p>1</p> <p>1</p>	<p><b>C</b></p>  <p><b>BT-350315</b> 1 module</p>  <p><b>BT-350325</b> 2 modules</p>  <p><b>BT-350335</b> 3 modules</p>	<p>1</p> <p>1</p> <p>1</p>	<p><b>D</b></p>  <p><b>BT-350415</b> 1 module</p>  <p><b>BT-350425</b> 2 modules</p>  <p><b>BT-350435</b> 3 modules</p>	<p>1</p> <p>1</p> <p>1</p>
	INSTALLATION TYPE	SURFACE-MOUNTING BOXES		SUPPORT FRAMES		FRAMES/PLATES	
	SURFACE-MOUNTING INSTALLATION	Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack
	 <p>Surface-mounting box with in-built rainshield</p> <p>Frame + support</p> <p>Function modules</p> <p>Front covers</p> <p>Surround plate</p>	<p><b>B</b></p>  <p><b>BT-35061..</b> 1 module</p>  <p><b>BT-35064..</b> 4 modules</p>  <p><b>BT-35062..</b> 2 modules</p>  <p><b>BT-35066..</b> 6 modules</p>  <p><b>BT-35063..</b> 3 modules</p>  <p><b>BT-35069..</b> 9 modules</p>	<p>1</p> <p>1</p> <p>1</p>	<p><b>C</b></p>  <p><b>BT-350315</b> 1 module</p>  <p><b>BT-350325</b> 2 modules</p>  <p><b>BT-350335</b> 3 modules</p>	<p>1</p> <p>1</p> <p>1</p>	<p><b>D</b></p>  <p><b>BT-350415</b> 1 module</p>  <p><b>BT-350425</b> 2 modules</p>  <p><b>BT-350435</b> 3 modules</p>	<p>1</p> <p>1</p> <p>1</p>

		DIGITAL FUNCTION MODULES		FRONT COVERS						
		Cat.Nos	Pack	Cat.Nos					Pack	
Speakers	E	 <b>BT-351000</b> Basic speaker module	1	F Audio front covers						
		 <b>BT-351005</b> Basic speaker module		 <b>BT-351015</b> Basic speaker module 1 push-button	 <b>BT-351025</b> Basic speaker module 2 push-buttons	 <b>BT-351045</b> Basic speaker module 2 push-buttons/double row	 <b>BT-351085</b> Basic speaker module 4 push-buttons/double row	1		
Push-buttons	E	 <b>BT-351100</b> Speaker module	1	 <b>BT-351105</b> Speaker module	 <b>BT-351115</b> Speaker module 1 push-button	 <b>BT-351125</b> Speaker module 2 push-buttons	 <b>BT-351145</b> Speaker module 2 push-buttons/double row	 <b>BT-351185</b> Speaker module 4 push-buttons/double row	1	
		 <b>BT-352000</b> 4 push-buttons/ single row	1	 <b>BT-352035</b> 2 push-buttons	 <b>BT-352045</b> 4 push-buttons				1	
Cameras	E	 <b>BT-352100</b> 8 push-buttons/ double row	1	 <b>BT-352165</b> 6 push-buttons/ double row	 <b>BT-352185</b> 8 push-buttons/ double row				1	
		 <b>BT-351200</b> Audio/video	1	 <b>BT-351205</b> Audio/video	 <b>BT-351215</b> Audio/video 1 push-button	 <b>BT-351225</b> Audio/video 2 push-buttons / double row				1
Miscellaneous	E	 <b>BT-351300</b> Audio/video with wide angle camera	1	 <b>BT-351305</b> Audio/video wide angle	 <b>BT-351315</b> Audio/video wide angle 1 push-button	 <b>BT-351315</b> Audio/video wide angle 2 push-buttons / double row		 <b>BT-354000</b> Cable for the connection or several push-button modules L= 620 mm	1	
		 <b>BT-352400</b> Night/day with wide angle camera	1	 <b>BT-352405</b> Night/day with wide angle camera						1
Miscellaneous	E	 <b>BT-352500</b> Name plate	1	 <b>BT-352205</b> Name plate					1	
		 <b>BT-352500</b> Graphic display	1	 <b>BT-352505</b> Graphic display					1	
		 <b>BT-352700</b> Inductive loop and control speech synthesis	1	 <b>BT-352705</b> Inductive loop-speech synthesis					 <b>BT-352305</b> Blanking reader	1
		 <b>BT-353200</b> Badge reader	1	 <b>BT-353205</b> Badge reader						1
		 <b>BT-353000</b> Keypad	1	 <b>BT-353005</b> Keypad					1	

## 2-wire system

SFERA audio street panels - examples of composition with speaker module Cat.No BT-351100

		FLUSH-MOUNTING BOXES			FRAME + SURROUND PLATE			ELECTRONIC MODULES		
	<b>Cat.Nos</b>	<b>BT-350010</b>	<b>BT-350020</b>	<b>BT-350030</b>	<b>BT-35021..</b>	<b>BT-35022..</b>	<b>BT-35023..</b>	<b>BT-351100</b>	<b>BT-352000</b>	<b>BT-352100</b>
	<b>No. of calls</b>									
Push-buttons on single row	1	1			1			1		
	2	1			1			1		
	3		1			1		1	1	
	4		1			1		1	1	
	5		1			1		1	1	
	6		1			1		1	1	
	7			1			1	1	2	
	8			1			1	1	2	
	9			1			1	1	2	
	10			1			1	1	2	
Push-buttons on double row	11		1			1		1		1
	12		1			1		1		1
	13			1			1	1		2
	14			1			1	1		2
	15			1			1	1		2
	16			1			1	1		2
	17			1			1	1		2
	18			1			1	1		2
	19			1			1	1		2
	20			1			1	1		2

(\*) The speaker module is also available in the basic version (Cat.No BT-351000), with appropriate front covers

NOTE: the double push-button row solution makes it possible to install systems with up to 20 call push-buttons using only one box

## Digital call audio composition with graphic display module Cat.No BT-352500 and keypad module Cat.No BT-353000

		FLUSH-MOUNTING BOXES		FRAME + SURROUND PLATE		ELECTRONIC MODULES		
	<b>Cat.Nos</b>	<b>BT-350020</b>	<b>BT-350030</b>	<b>BT-35022..</b>	<b>BT-35023..</b>	<b>BT-351100</b>	<b>BT-352500</b>	<b>BT-353000</b>
	<b>Without keypad</b>	1		1		1	1	
	<b>With keypad</b>		1		1	1	1	1

NOTE: the graphic display module Cat.No BT-352500 provides storage for up to 4000 residents names

AUDIO + PUSH-BUTTON CALL FRONT COVERS								
BT-35110..	BT-35111..	BT-35112..	BT-35203..	BT-35204..	BT-35114..	BT-35118..	BT-35216..	BT-35218..
	1							
		1						
1			1					
1				1				
	1				1			
		1			1			
1			1		1			
1					2			
	1				2			
		1			2			
						1		1
						1		1
1							1	1
1							1	1
1								2
1								2
					1			2
					1			2
						1		2
						1		2

FRONT COVERS		
		
BT-35110..	BT-35250..	BT-35300..
1	1	
1	1	1

**KEYPAD COLOUR RANGE**

Replace the dots in the Cat.No with the number corresponding to the desired colour



1. Allmetal 2. Allwhite 3. Allstreet

**WARNING**

- Add to the system composition any configurators needed
- Installation also possible using surface-mounting boxes
- 1 to 9-module rainshields are available on request
- The shown compositions are examples: other compositions can be considered depending on needs

## 2-wire system

SFERA audio street panels - examples of composition with Night&Day camera module Cat.No BT-352400

		FLUSH-MOUNTING BOXES		FRAME + SURROUND PLATE		ELECTRONIC MODULES			
									
Cat.Nos		BT-350020	BT-350030	BT-35022..	BT-35023..	BT-352400	BT-351100	BT-352000	BT-352100
No. of calls									
Push-buttons on single row	1	1		1		1	1		
	2	1		1		1	1		
	3		1		1	1	1	1	
	4		1		1	1	1	1	
	5		1		1	1	1	1	
	6		1		1	1	1	1	
Push-buttons on double row	7		1		1	1	1		1
	8		1		1	1	1		1
	9		1		1	1	1		1
	10		1		1	1	1		1
	11		1		1	1	1		1
	12		1		1	1	1		1
	13	2		2		1	1		2
	14	2		2		1	1		2
	15	2		2		1	1		2
	16	2		2		1	1		2
	17	2		2		1	1		2
	18	2		2		1	1		2
	19	2		2		1	1		2
	20	2		2		1	1		2

For the connection of modules installed side by side, cable Cat.No BT-354000 (L=620 mm) must be used

## Digital call video composition with graphic display module Cat.No BT-352500 and keypad module Cat.No BT-353000

		FLUSH-MOUNTING BOXES		FRAME + SURROUND PLATE		ELECTRONIC MODULES			
									
Cat.Nos		BT-350030	BT-350010	BT-35023..	BT-35021..	BT-352400	BT-351100	BT-352500	BT-353000
without keypad		1		1		1	1	1	
with keypad		1	1	1	1	1	1	1	1

NOTE: the graphic display module Cat.No BT-352500 provides storage for up to 4000 residents names.

**CAMERA + AUDIO PUSH-BUTTON FRONT COVERS**

	BT-35240..	BT-35110..	BT-35111..	BT-35112..	BT-35203..	BT-35204..	BT-35114..	BT-35118..	BT-35216..	BT-35218..
	1		1							
	1			1						
	1	1			1					
	1	1				1				
	1			1	1					
	1			1		1				
	1	1								1
	1	1								1
	1						1			1
	1						1			1
	1							1		1
	1	1						1		1
	1	1							1	1
	1	1								2
	1	1								2
	1						1			2
	1						1			2
	1							1		2
	1							1		2

**FRONT COVERS**

	BT-35240..	BT-35110..	BT-35250..	BT-35300..
	1		1	
	1	1		
	1	1		1

**KEYPAD COLOUR RANGE**

Replace the dots in the Cat.No with the number corresponding to the desired colour

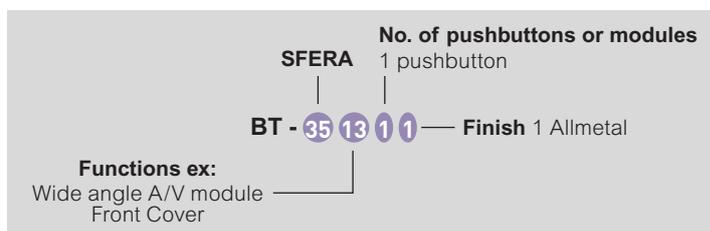


**WARNING**

- Add to the system composition any configurators needed
- Installation also possible using surface-mounting boxes
- 1 to 9-module rainshields are available on request
- The shown compositions are examples: other compositions can be considered depending on needs

## 2-wire system

understanding the code



	PRODUCTS CONCERNED	#	MEANING
<b>1<sup>st</sup> AND 2<sup>nd</sup> DIGITS</b>	All products	35	Sfera range product
<b>3<sup>rd</sup> AND 4<sup>th</sup> DIGITS</b>	All products	00	Sfera flush-mounting box
		01	Sfera Robur flush-mounting box
		02	Sfera frame/plate
		03	Sfera Robur support frame
		04	Sfera Robur surround plate
		05	Sfera rainshield
		06	Surface-mounting box
		10	Speaker module or front cover for audio systems
		11	Speaker module or front cover for audio and video systems
		12	Audio/video module or front cover
		13	Audio/video wide angle module or front cover
		20	4-pushbutton / single row speaker module or front cover
		21	8-pushbutton / double row speaker module or front cover
		22	Nameplate module or front cover
		23	Blanking module
		24	Night & Day wide angle camera module or front cover
		25	Graphic display module or front cover
27	Inductive loop and control speech synthesis module or front cover		
30	Keypad module or front cover		
32	RFID badge reader module or front cover		
40	Accessory		
<b>5<sup>th</sup> DIGIT</b>	<b>Electronic modules, blanking module and accessory</b>	0	-
	<b>Flush-mounting boxes, surface-mounting boxes, rainshields, support frames and frames/plates</b>	1	1 module
		2	2 modules
		3	3 modules
		4	4 modules
		6	6 modules
		8	8 modules
		9	9 modules
	<b>Front covers</b>	0	0 pushbutton
		1	1 pushbutton
2		2 pushbuttons	
3		3 pushbuttons	
4		4 pushbuttons	
6		6 pushbuttons	
8		8 pushbuttons	
<b>6<sup>th</sup> DIGIT</b>	All products	0	No finish
		1	Allmetal
		2	Allwhite
		3	Allstreet
		5	Robur

## 2-wire system

### LINEA 300, LINEA 2000 METAL colour video street panels



BT-308002



BT-308015



BT-343002

## 2-wire system

### LINEA 2000 METAL, LINEA 2000, LINEA 100 audio street panels



BT-342972



BT-342941



BT-343100

#### IP 44 / IK 07 monobloc street panels

Pack	Cat.Nos	LINEA 300 push-button street panels
		<b>Flush-mounting panels</b>
		Vandal-resistant panels composed of a flush-mounting box, a frame, a colour video and audio electronic module, pre-wired push-button modules
		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
		Aluminium Alloy 5052 or Stainless steel finish AISI 304
		Can be surface-mounted using surface-mounting boxes (see below)
		<b>Surface-mounting boxes for aluminium and stainless steel panels</b>
		Alu
1	BT-308001	For 2 and 4 calls
1	BT-308002	For up to 8 calls
1	BT-308003	For up to 12 calls
1	BT-308004	For up to 20 calls
1	BT-308005	For up to 32 calls
		Stainless Steel
1	BT-308011	For 2 and 4 calls
1	BT-308012	For up to 8 calls
1	BT-308013	For up to 12 calls
1	BT-308014	For up to 20 calls
1	BT-308015	For up to 32 calls
		<b>LINEA 2000 METAL push-button street panels</b>
		With white LEDs for the illumination of the viewing field in low light conditions. Communication status audible - light signals for: call active, system busy, door lock release
		Nameplate lit by blue LED
		Zamak front cover
		<b>Surface-mounting</b>
1	BT-342991	With 1 call push-button
1	BT-342992	With 2 call push-buttons
		<b>Flush-mounting</b>
1	BT-343001	With 1 call push-button
1	BT-343002	With 2 call push-buttons

#### Monobloc street panels Surface-mounting installation

Pack	Cat.Nos	LINEA 2000 METAL push-button street panels
		IP 54 / IK 10 panels for one-family and two-family systems
		Can be installed on gate-post
		Nameplate lit by blue LED
		Zamak front cover
1	BT-342971	With 1 call push-button
1	BT-342972	With 2 call push-buttons
		<b>LINEA 2000 push-button street panels</b>
		IP 54 / IK 07 panels
		Can be installed on gate-post
		Nameplate lit by green LED
		Aluminium front cover
1	BT-342911	With 1 call push-button
1	BT-342921	With 2 call push-buttons
1	BT-342931	With 3 call push-buttons
1	BT-342941	With 4 call push-buttons
		<b>LINEA 100 digital and push-buttons street panels</b>
		Fitted with internal contact (C - NO - NC) for the connection of an electrical door lock or an external actuator (for the powering of the electrical door lock, use auxiliary transformer Cat.No BT-336482)
		Connections (PL) for a local door lock release push-button
1	BT-343100	Digital street panel
		Manages up to 4000 internal unit addresses (from 0 to 3999), as well as the direct call to the 2-wire switchboard
		Consists of a push-button panel with 16 keys and a digital display showing the operating status
		Using previously saved numerical (SCS addresses) or alphanumeric (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
1	BT-343101	Push-button street panel with 4 call push-buttons
1	BT-343102	Push-button street panel with 8 call push-buttons



Technical information, see [www.homesystems-legrandgroup.com](http://www.homesystems-legrandgroup.com)



# Classe 100

## Versatility,

essential and refined design, ensure maximum freedom

### V12B



The ideal solution for specifications: simple, compact, essential



### X12B



The solution that also provides monitoring of energy consumptions



### A12B



The audio solution with hands-free advantages



### A12C and A12M



The audio solution with handset



## THE DEDICATED MECHANICAL ACCESSORIES PROVIDE MAXIMUM INSTALLATION FLEXIBILITY

### WALL-MOUNTING



The standard installation already supplied.

### FLUSH-MOUNTING



The installation for the thinnest profile: only 9 mm

### TABLE-TOP INSTALLATION (DESKTOP)



The type of installation for those situations when a table-top solution is required.

### WITH TILTING DISPLAY



Wall-mounting or flush-mounting installation for the optimisation of the viewing angle of the display in any installation situation.



## 2-wire system

### Classe 100 video internal units



BT-344502



BT-344522



BT-344602

Pack	Cat.Nos	Classe 100 video internal units
		Supplied with a dedicated bracket for wall-mounting For all other installation types, required accessories must be ordered separately Device must be configured
		<b>Classe 100 V12B video internal units</b> 2-wire, hands-free, colour video door entry system for wall-mounting or table-top installation (support required to be ordered separately) With a 3.5" LCD colour display. 4 push-buttons for: street panel/cycling activation, door lock release, stairway lighting control and hands-free connection LED signalling for: call blocking, door status and connection with street panel. Separate controls for: ringer volume (with call blocking), loudspeaker volume, display colour and brightness 16 different pre-programmed ring tones
1	BT-344502	Without inductive loop
1	BT-344512	With inductive loop
1	BT-344522	<b>Classe 100 V12E video internal unit</b> 2-wire hands-free colour video door entry system with teleloop; depending on accessories used, this system is suitable for a variety of installation types, e.g. wall-mounting, flush-mounting, table-top, with handset, tilting wall- and flush-mounting systems With a 4.3" (16:9) LCD colour display Pushbuttons for: street panel/cycling activation, door lock release, stairway lighting control, hands-free connection, plus 4 configurable keys Depending on the configurators enabled for (M), the 4 configurable keys perform different functions (e.g. intercom, additional locking, general activities) LED signalling for: call blocking, door status and connection with street panel. Option to adjust: speaker and ringer volumes (with call blocking), colour, display contrast and brightness, via arrow keys (if menu can be accessed using dedicated keys) 16 different pre-programmed ring tones
1	BT-344602	<b>Classe 100 X12B video internal unit</b> 2-wire hands-free colour video door entry system with teleloop; depending on accessories used, this system is suitable for a variety of installation types, e.g. wall-mounting, flush-mounting, table-mounting, with handset, tilting wall and flush-mounting systems Integrated Energy Management system, to allow monitoring and display energy consumption in graphical format 4.3" (16:9) LCD colour display and OSD menu Pushbuttons included: street panel/cycling activation, door lock release, stairway lighting control, hands-free connection, and energy consumption display Storing of messages from the 2-wire porter switchboard LED signalling for: call blocking, door status, connection with street panel, and new message alerts Option to adjust: speaker and ringer volumes (with call blocking), colour, display contrast and brightness, via arrow keys (if menu can be accessed using dedicated keys) 16 different pre-programmed ring tones

Pack	Cat.Nos	Accessories
		<b>Flush-mounting accessory</b> Allow the user to tilt the device, adapting the display to different lines of vision (e.g. for use of devices installed at a lower height by people with disabilities)
1	BT-344572	Flush-mounting box and bracket for video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602)
		<b>Tilting accessories</b> Including flush-mounting video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602)
1	BT-344562	For flush-mounting video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602)
1	BT-344592	For wall-mounting video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602) Including moveable wall bracket
		<b>Table-top installation accessory</b> Allows table-top installation of all Classe 100 units
1	BT-344552	
		<b>Handset installation accessory</b> For wall-mounting or table-top installation with handset at the side (support to be ordered separately) for Classe 100V12E (BT-344522), and Classe 100X12B (BT-344602) video internal units Device can be used to communicate in both ways: handset or hands-free mode Supplied with the basic support included for the housing and the wall-mounting of the video internal unit and the integrated audio handset Table-top installation with 2 accessories Cat.No BT-344552, separate order
1	BT-344582	

## 2-wire system

### Classe 100 audio internal units



BT-344252



BT-344262



BT-344242

Pack	Cat.Nos	Classe 100 audio internal units
		2-wire hands-free door entry system for wall-mounting or table-top installation (support required to be ordered separately) Supplied with a dedicated bracket for wall-mounting Device must be configured
1	BT-344252	<b>Classe 100 A12B audio internal unit</b> 4 pushbuttons for: street panel/cycling activation, door lock release, stairway lighting control and hands-free connection LED signalling for: call blocking, door status and connection with street panel. Separate controls for: ringer volume (with call blocking) and loudspeaker volume 16 different pre-programmed ring tones
1	BT-344262	<b>Classe 100 A12C audio internal unit</b> 3 pushbuttons for: street panel/cycling activation, door lock release, and stairway lighting control LED signalling for: call blocking, door status and connection with street panel. Ringer volume (with call blocking) can be adjusted via the dedicated selector 16 different pre-programmed ring tones
1	BT-344272	<b>Classe 100 A12M audio internal unit</b> 3 pushbuttons for: automatic switch-on/cycling, door lock release, stairway lighting control and 4 configurable keys Depending on the configurators enabled for (M), the 4 configurable keys perform different functions (e.g. intercom, additional locking, general activities) LED signalling for: call blocking, door status and connection with street panel. Ringer volume (with call blocking) can be adjusted via the dedicated selector 16 different pre-programmed ring tones

Pack	Cat.Nos	Accessories
1	BT-344572	<b>Flush-mounting accessory</b> Flush-mounting box and bracket for video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602)
1	BT-344562	<b>Tilting accessories</b> Allow the user to tilt the device, adapting the display to different lines of vision (e.g. for use of devices installed at a lower height by people with disabilities) For flush-mounting video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602)
1	BT-344592	Including flush-mounting box and moveable bracket For wall-mounting video door entry system Classe 100, V12E (Cat.No BT-344522) and X12B (Cat.No BT-344602) Including moveable wall bracket
1	BT-344552	<b>Table-top installation accessory</b> Allows table-top installation of all Classe 100 units
1	BT-344582	<b>Handset installation accessory</b> For wall-mounting or table-top installation with handset at the side (support to be ordered separately) for Classe 100V12E (BT-344522), and Classe 100X12B (BT-344602) video internal units Device can be used to communicate in both ways: handset or hands-free mode Supplied with the basic support included for the housing and the wall-mounting of the video internal unit and the integrated audio handset Table-top installation with 2 accessories Cat.No BT-344552, separate order
1	BT-344242	<b>Sprint L2 audio internal unit</b> 2-wire audio handset for audio systems and mixed audio /video systems. Wall-mounting installation, no accessories With door lock release key and auxiliary functions key (that can be configured). Ringtone volume adjustable on 3 levels. White

## 2-wire system

### Home automation and wiring devices integration



LE-067267



BT-345020



BT-345021



BT-349313



BT-349319



BT-349340



BT-349241



BT-349242

Pack	Cat.Nos	MyHOME screen 10"
1	LE-067267	● Black
1	LE-067268	○ White
1	BT-345020	○ White
1	BT-345021	● Black
1	BT-345023	Base for table-top installation of IRYDE touch phone devices, Cat.Nos BT-345020 and BT-345021
1	BT-345024	Bracket for wall mounting installation of IRYDE touch phone devices, Cat.Nos BT-345020 and BT-345021
1	BT-349313	○ White
1	BT-349311	● Tech
1	BT-349312	● Anthracite

Pack	Cat.Nos	Axolute video displays (continued)
1	BT-349319	<b>Video display table-top base</b> Axolute video display video internal unit table-top base It can be connected to the system using the cable Cat.No BT-336803 and an 8 pole socket (Cat.No BT-349413, Cat.No BT-349414, Cat.No BT-349415). To be completed with the rectangular front cover plates for Cat.No BT-506E of the Axolute range (see Bticino general catalogue)
1	BT-349418	○ White
1	BT-349414	● Tech
1	BT-349415	● Anthracite
1	BT-349340	<b>Axolute Etères video display</b> <b>Video display</b> 2-wire hands-free video internal unit for flush-mounting installation 2.5" colour LCD display with PC customisable OSD navigation icon menu for the management of the following MyHOME applications: - video door entry system - temperature control - sound system - automation (scenarios) - anti-intrusion Keys available: navigation, auto-switch on, door lock release, hands-free connection LED signalling for: call exclusion, door status, and hands-free connection Firmware update/programming USB port Flush-mounting installation using the specific boxes, Cat.No BT-528W (masonry) and Cat.No BT-PB528W (plasterboard) To be completed using front covers (see below) and finishing cover plates, Cat.Nos BT-HW4826HC, BT-HW4826HS, BT-HW4826HD (see Bticino general catalogue)
1	BT-349243	○ White
1	BT-349241	● Tech
1	BT-349242	● Anthracite

## 2-wire system

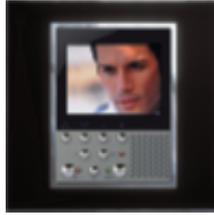
### Home automation internal units



BT-344400 equipped with Tech front cover plate

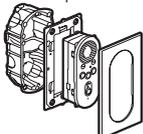


BT-344413



LE-573950 equipped with Mirror Black plate

Pack	Cat.Nos	Livinglight internal video displays
		<p><b>Video displays</b>                      2-wire hands-free video internal unit for flush-mounting installation                      2.5" colour LCD display with PC customisable OSD navigation icon menu for the management of the following MyHOME applications:                      - video door entry system                      - temperature control                      - sound system                      - automation (scenarios)                      - anti intrusion                      Keys available: navigation, auto-switch on, door lock release, handsfree connection                      LED signalling for: call exclusion, door status, and connection                      Firmware update/programming USB port                      Suitable for flush-mounting installation using Cat.No BT-506E boxes                      To be completed with front cover plates                      Can be configured using physical configurators or the supplied programming and configuration software</p>
1	BT-344400	For installation with Livinglight cover plates
1	BT-344401	For installation with "AIR" cover plates
1	BT-344413	○ White
1	BT-344411	● Tech
1	BT-344412	● Anthracite

Pack	Cat.Nos	Arteor internal units
		<p><b>Video internal display units</b>                      Hands-free internal unit                      2.5" LCD colour display                      Possible integration in BUS system                      Equipped with White or Magnesium cover plates, to be equipped with special plates                      To be installed in flush-mounting box                      Cat.Nos LE-089379 or LE-089279                      (see Legrand general catalogue)</p>
1	LE-573950	 <p>○ White ● Magnesium</p>
1	LE-573951	
2	LE-089379	<p><b>Flush-mounting boxes</b>                      For video display unit Cat.Nos LE-573950/51                      For dry partitions - 2 x 3 modules                      For concrete walls - 2 x 3 modules</p>
2	LE-089279	
		<p><b>Audio internal display units</b>                      Equipped with:                      - microphone                      - loudspeaker                      - 2 hang-up push-buttons                      - 1 door release push-button                      - 2 auxiliary push-buttons for other functions                      Volume adjustment for communication and call tone, and with bell cut-off indicator                      Allows intercom between several rooms                      Supplied complete with special flush-mounting box, cover plate and plate</p>
1	LE-574011 <sup>1</sup>	 <p>○ White ● Magnesium</p>
1	LE-574311 <sup>2</sup>	

1: Supplied with White plate  
 2: Supplied with Mirror Black plate

## 2-wire system

### switchboard



BT-346310

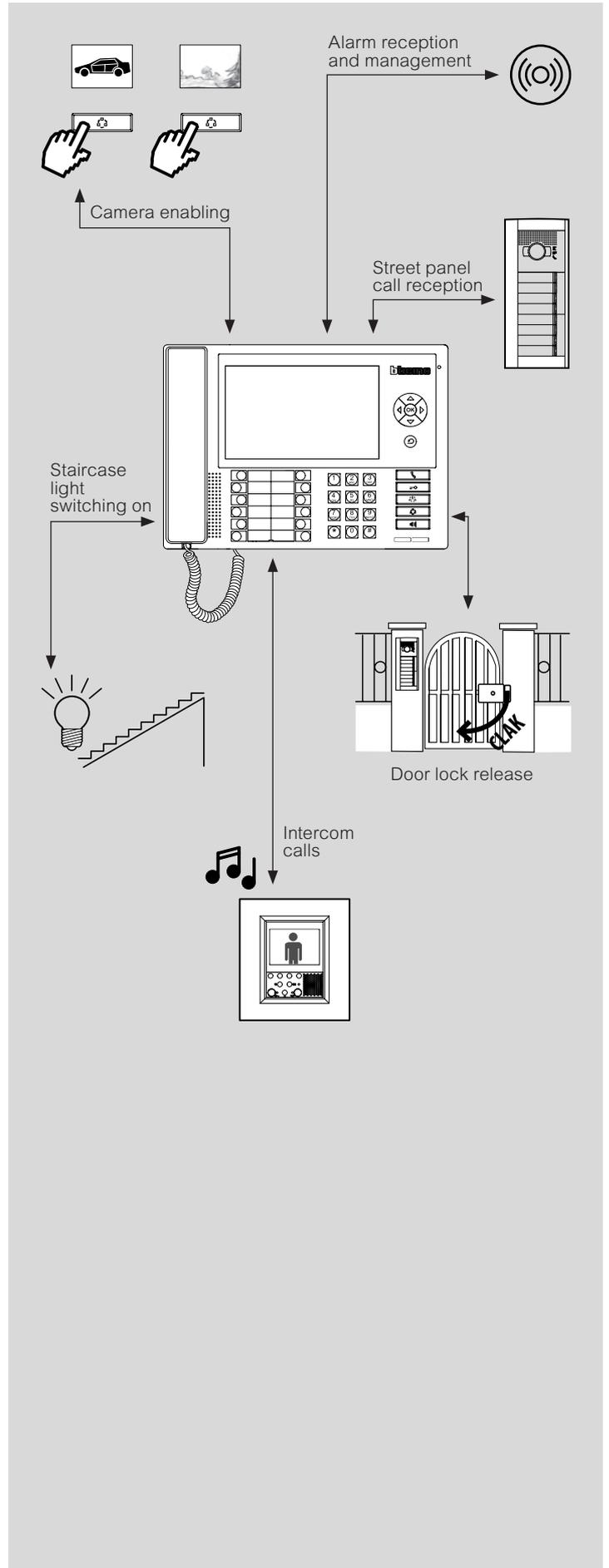


BT-346300

Pack	Cat.Nos	2-wire switchboard
1	BT-346310	<p><b>Switchboard</b></p> <p>Provides access to various services (video door entry system functions, door lock and/or stair light management, and monitoring of apartment alarms) directly from the keyboard, or using the intuitive menu icons</p> <p>Supplied with built-in table-top support and 7" colour LCD display, receiver and hands-free, dedicated keys for the main functions, and configurable keys</p> <p>Programming can be performed directly from the device, or using a PC with the software (supplied as standard)</p>
1	BT-336982	<p><b>Accessories</b></p> <p>8-way socket Livinglight for table-top installation of switchboard Cat.No BT-346310</p> <p>○ White</p>
1	BT-336803	<p>Cable (8 wires - frayed)</p>
1	BT-346300	<p><b>Software Switchboard</b></p> <p><b>Softswitchboard software</b></p> <p>For the management of audio and video door entry system calls</p> <p>The software (Windows operating system compatible) can be installed on any desktop or laptop PC, and gives the possibility of receiving, managing and transferring the calls from the entrance panel and the handset</p> <p>It implements home video monitoring, with cyclical display of the cameras, night and day functions, and the possibility of displaying the alarms in the various apartments</p> <p>Supported operating systems: Microsoft Windows XP Service Pack 2 and Windows Vista</p> <p>Software required: NET Framework 2.0 or higher</p>

## 2-wire system

### switchboard



## 2-wire system

### DIN system accessories



BT-346000 SELV



BT-346030



BT-F441



BT-346850



BT-346891



BT-345829



BT-346200



BT-346210

Pack	Cat.Nos	Power supplies
1	BT-346000	<p>SELV double insulation safety device</p> <p><b>Power supply 230 V~ - 50/60 Hz</b> 2-wire audio and video system power supply. On the output it supplies 27 V<sub>~</sub> continuous low voltage, with a maximum current of 1.2 A. It is electronically protected (without fuses) against short circuit and overload 8 DIN modules</p>
1	BT-346030	<p>Mini power supply with integrated video adaptor for small 2-wire video systems (intercom) Output: 27 V<sub>~</sub> Maximum current: 600 mA Protected on the PRI side (with fuses) against short circuit and overload 2 DIN modules</p>
1	BT-346020	<p>Additional power supply used for the local power supply of preset handsets and street panels Output: 7 V<sub>~</sub> Maximum current: 600 mA Protected on the PRI side (with fuses) against short circuit and overload 2 DIN modules</p>
1	BT-346040	<p><b>Power supply 110-240 V~ - 50/60 Hz</b> 2-wire audio system power supply Output: 26 V<sub>~</sub> Maximum rated current: 600 mA Protected on the PRI side (with fuses) against short circuit and overload 6 DIN modules</p>
1	BT-336482	<p><b>Transformer</b> Auxiliary transformer 230/12 V - 18 VA 3 DIN modules</p>
1	BT-346830	<p><b>Video mixer</b> To be associated with power supply Cat.No BT-346000 Video adaptor For connecting 3 BUS to the system. It is therefore possible to install systems with 2 video street panels and 1 riser, as well as systems with one video street panel and 2 risers 2 DIN modules</p>
1	BT-F441	<p>Audio/video node. Preset with 4 input clamps and 4 output clamps Can be used for connecting up to 4 source device posts (street panels or cameras) on the input and up to 4 2-wire video risers on the output Must be used in alternative to the audio/video adaptor, Cat.No BT-346830 2 DIN modules</p>
1	BT-F441M	<p>Multichannel matrix Preset for the connection of video door entry system street panels, cameras and sound system sources on the input, and street panels and amplifiers on the output. 4 inputs are for street panels/cameras, and 4 for sound system sources. It enables to create multichannel sound system. Within the systems, it replaces the video adaptor, Cat.No BT-346830, and the audio/video node, Cat.No BT-F441 10 DIN modules</p>

Pack	Cat.Nos	System interface
1	BT-346850	<p>The device must be configured using physical configurators Apartment interface. It can be used to interface to a 2-wire riser a dedicated apartment video door entry system with local video monitoring system, sound system, and MyHOME applications control 4 DIN modules</p>
1	BT-346851	<p>System expansion interface Enables doubling of the length of the street panel - handset line, to create independent audio risers, and to expand the range or functions of the apartment system 4 DIN modules</p>
1	BT-346891	<p><b>Interfaces with other BTicino systems</b> 2-wire - IP interface. Thanks to the creation of an IP backbone with 2-wire risers, it gives the possibility of installing very large mixed 2-wire/IP systems with a high number of devices Device must be configured using physical configurators, or the software supplied 10 DIN modules</p>
1	BT-345829	<p>2-wire PABX telephone switchboard with plastic housing For the connection of 2 outside lines and 8 extensions Can be expanded using accessories Cat.Nos BT-345830 and BT-345831 10 DIN modules</p>
1	BT-346150	<p>8/2-wire interface For installing mixed video door entry systems (digital 8-wire backbone/2-wire risers) Device must be configured using physical configurators 6 DIN modules</p>
1	BT-349410	<p>Analogue/2-wire interface. For interfacing an analogue riser, 8-wire digital, audio tersystem, videoporter 2000 to a dedicated apartment 2-wire video door entry system, with cameras and MyHOME applications control 4 DIN modules</p>
1	BT-346200	<p><b>DIN actuators</b> Devices must be configured using physical configurators Relay actuator Can be used for switching the lights on, opening the gates, repeating calls on bells (MOD=SLA), or for controlling other devices using the video handsets 4 DIN modules</p>
1	BT-346210	<p>Relay actuator for 2-wire systems. Enables the switching on of lights, the release of door locks, the control of other devices from the video handsets, and provides call repetition using bells 2 DIN modules</p>
1	BT-346230	<p>Door lock relay actuator For the power supply and activation of an electrical door lock 2 DIN modules</p>
1	BT-346260	<p>Timed door lock relay actuator Can be used for switching the lights on, opening gates, or manage electromagnetic door locks, timed door opening, and door lock status (with NC contact) 4 DIN modules</p>

## 2-wire system

### system accessories



BT-346841



BT-347400



BT-346991



BT-346870



BT-346250



BT-3499



BT-391670

Pack	Cat.Nos	Basic housing devices
1	BT-346841	4-output floor shunt For installing 2-wire video door entry systems with star wiring distribution Device automatically adapts the video signal Thanks to its compact sizes, it can also be fitted inside a flush-mounting box
1	BT-346833	Call to the floor interface By connecting a traditional pushbutton, the following functions will be possible: general call to the floor, addressed call to the oor, staircase lights on, and door lock release (specific actuator needed) and association of the video image to the call to the floor Device must be configured using physical configurators
1	BT-347400	Interface for the conversion of the coaxial signal into a 2-wire BUS signal Can be used to connect to the BUS of the 2-wire video door entry system a camera with coaxial video output powered at 12 V <sub>±</sub> , with maximum absorption 150 mA and 1 V <sub>pp</sub> video output (75 Ω) Device must be configured using physical configurators
<b>Universal speaker unit and expansion module</b>		
1	BT-346991	Universal speaker unit can be used to install the 2-wire audio system in new or refurbished systems, where pushbutton street panels of other manufacturers are present or required (mail boxes, patterned brass, compact sheet metal units, etc.), preset for a traditional speaker module (e.g. 2659N) The universal speaker unit has a contact base for the connection of 8 call keys; for systems with a higher number of keys up to 56 one or more key expansion modules must be used (1 every 8 keys)
1	BT-346992	Expansion module for connecting more than 8 call keys to Cat.No BT-346991 - max. 6 modules (56 calls max.) with power supply BT-346000 - max. 2 modules (24 calls max.) with power supply BT-346010
<b>Wiring accessories</b>		
1	BT-346870	2-wire video amplifier Can be used in cabled system with non twisted wires Increase the distance limit of 50 m between street panel and internal unit up to 100 m
1	BT-346250	Gate opening relay module to be used with LINEA 2000, LINEA 2000 METAL and SFERA pushbutton street panels (only audio/video module Cat.No BT-342560) Can be used to release door locks (not managed through the BUS) from the street panel
5	BT-3499	Line terminator To be used to terminate the riser or apartment line, when the last installed device is not tied with line closing micro switch
1	BT-354000	Cable for the connection of more SFERA and SFERA ROBUR pushbutton modules Length 620 mm
<b>Accessories for PABX switchboard</b>		
1	BT-345830	3 DIN modules plastic housing accessory, to be used together with PABX switchboard Cat.No BT-345829
1	BT-345831	For adding of 8 more extensions For adding 2 more outside lines

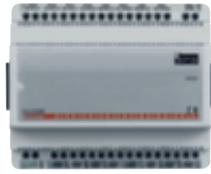
Pack	Cat.Nos	2-wire outdoor camera
1	BT-391670	Compact colour camera IP 65. 6 mm fixed optics, 1/3" CCD, 330 horizontal lines resolution. Device must be configured using physical configurators
<b>2-wire indoor cameras</b>		
Device must be configured by using physical configurators		
<b>Livinglight flush-mounting colour cameras</b>		
3.7 mm fixed semi-pin hole lens with 1/3" CCD display 380 TV Lines horizontal resolution Built-in microphone. Device must be completed with accessories and front cover plate of Livinglight range (see Bticino general catalogue)		
1	BT-391658	○ White
1	BT-391659	● Tech
1	BT-391657	● Anthracite
<b>Livinglight flush-mounting black and white cameras</b>		
3.7 mm fixed lens with 380 TV Lines horizontal resolution Built-in microphone. Device must be completed with accessories and front cover plate of Livinglight range (see Bticino general catalogue)		
1	BT-391668	○ White
1	BT-391669	● Tech
1	BT-391667	● Anthracite
<b>Axolute flush-mounting colour cameras</b>		
3.7 mm fixed semi-pin hole lens with 1/3" CCD display 380 TV Lines horizontal resolution Built-in microphone. Device must be completed with accessories and front cover plate of Axolute range (see Bticino general catalogue)		
1	BT-391663	○ White
1	BT-391661	● Tech
1	BT-391662	● Anthracite
<b>Arteor flush-mounting colour cameras</b>		
3.7 mm fixed semi-pin hole lens with 1/3" CCD display 380 TV Lines horizontal resolution Built-in microphone. Device must be completed with accessories and front cover plate of Arteor range (see Legrand general catalogue)		
1	LE-573952	○ White
1	LE-573953	● Magnesium
<b>Extra bells</b>		
<b>Livinglight extra bells</b>		
Used to repeat the video door entry system call in several rooms. Wall-mounting installation using the accessories and front cover plates of the Livinglight ranges		
1	BT-336992	○ White
1	BT-336993	● Anthracite
1	BT-336994	● Tech
<b>Extra bell with neutral look</b>		
1	BT-336910	Used to repeat the video door entry system call in several rooms Wall-mounting installation or installation inside round box (with fixing clips)

## 2-wire system

### system accessories (continued)



BT-345829



BT-345830



BT-345832



BT-3501K



BT-348201

Pack	Cat.Nos	Telephony accessories
1	BT-345829	2-wire PABX telephone switchboard, 2 PSTN telephone lines, 8 extensions, expandable
1	BT-345830	10 DIN modules Accessory for the expansion of 8 additional extensions
1	BT-345831	3 DIN modules Accessory for the expansion of 2 additional PSTN telephone lines
1	BT-345832	3 DIN modules Accessory connection cable on DIN rail
1	BT-PLT1	Protection for 1 PSTN telephone line 2 DIN modules

Pack	Cat.Nos	Configurators
1	BT-3501/0	Configurator 0
1	BT-3501/1	Configurator 1
1	BT-3501/2	Configurator 2
1	BT-3501/3	Configurator 3
1	BT-3501/4	Configurator 4
1	BT-3501/5	Configurator 5
1	BT-3501/6	Configurator 6
1	BT-3501/7	Configurator 7
1	BT-3501/8	Configurator 8
1	BT-3501/9	Configurator 9
1	BT-3501/JMP	Configurator JMP

Pack	Cat.Nos	Configurator kit
1	BT-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

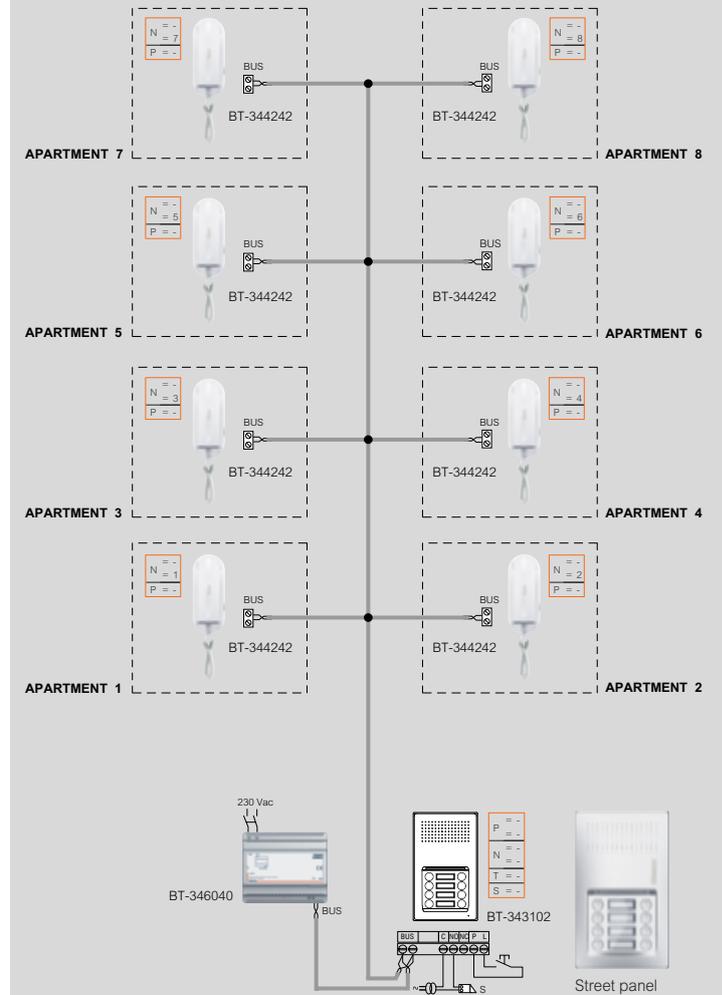
Pack	Cat.Nos	Transponder keys and programmer
10	BT-348200	● Black
10	BT-348201	● Red
10	BT-348202	● Green
10	BT-348203	● Blue
10	BT-348204	● Orange
10	BT-348205	● Grey
10	BT-348206	● Yellow
10	BT-348207	○ White
1	BT-348402	<b>Programmer</b> Table-top transponder key programmer

Pack	Cat.Nos	System cable
1	BT-336904	Specific cable for 2-wire video door system applications with 2 twisted conductors Can be installed in underground piping, in accordance with CEI 20-13 e CEI 20-14 standards Ensures the best performance in video systems (higher distance between EP and Handset when compared with other cables). 200 m coil

## 2-wire system

### wiring diagram

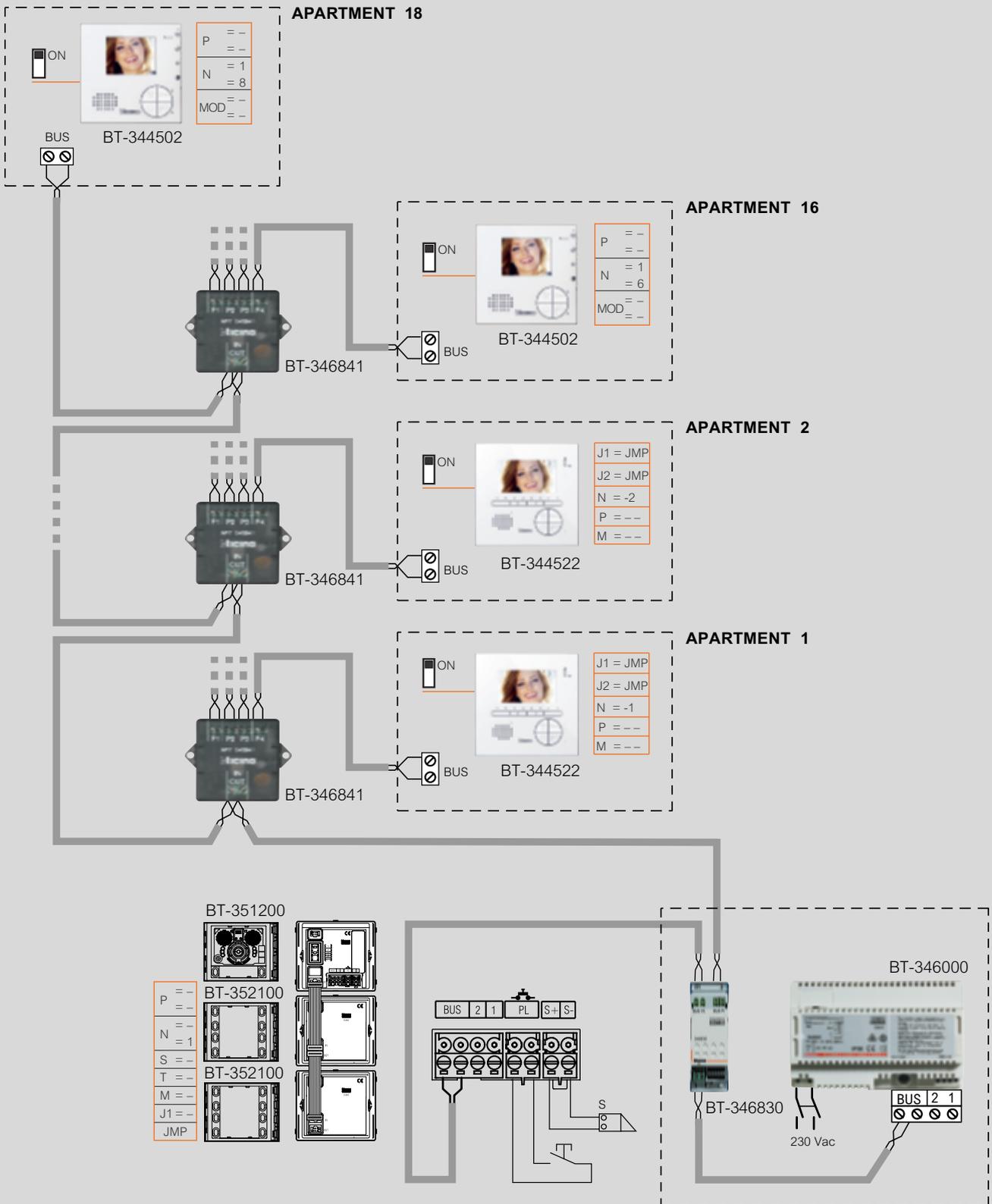
#### Example of multi-family audio system



# 2-wire system

## wiring diagram

■ Example of multi-family video system



# D45

## THE HIGH-PERFORMANCE SYSTEM



- 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



**MAIN FEATURES:**

- Intercom between all the apartments of the riser
- Integrated security system (SOS pushbutton, centralized anti-burglar and technical sensor connected to management switchboard)
- High quality video performance even with long cable runs as video signals are automatically equalized and amplified
- Suitable for the varied requirements of different sized systems on risers or TCP/IP networks, ensuring maximum cost saving
- Can be integrated and combined with BTicino 2-wire video door entry and MyHOME automation systems
- Approximately 70% less copper is used, thus reducing the environmental impact



Digital call street panel



Pushbutton call street panel



Video internal unit

■ **Usage up to:**

<b>4000</b>	Apartments
<b>800</b>	Handsets per riser
<b>80</b>	Street panels per riser
<b>16</b>	Switchboards
<b>100</b>	Riser shunts
<b>100</b>	Distance for colour video installation

# D45 SYSTEM OVERVIEW

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## STREET PANELS

From digital or pushbutton call street panels for large buildings to single call street panels for villas, choose among high performance solutions ensuring both efficiency and reliability.

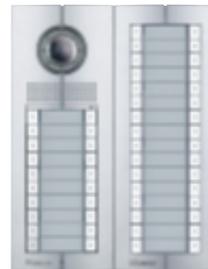
### BUILDING DIGITAL CALL STREET PANEL



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Page 46

### BUILDING PUSHBUTTON CALL STREET PANELS



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Page 46

### SINGLE HOUSE PUSHBUTTON CALL STREET PANEL



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Page 46

## INTERNAL UNITS

From audio and video handsets with simple door entry functions through to multimedia touch screens integrated with building automation systems, select the perfectly adapted internal unit to meet your specific needs and combine it with any street panel.

### AUDIO/VIDEO INTERNAL UNITS



Slim 10" touch screen with alarm function.



Slim 7" touch screen with alarm function.



Slim 7" wide screen with alarm function.



5.6" screen with alarm function.



3.5" screen with alarm function.



3.5" screen with alarm function.

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### AUDIO INTERNAL UNIT



Page 47

## D45 System

### street panels



BT-322010



BT-322030



BT-322031



BT-322032



BT-322033



BT-322020

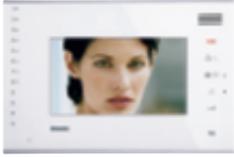
Protection index: IP 54

Pack	Cat.Nos	Digital calls colour street panels
1	BT-322010	Zamak digital call street panel with keyboard, LCD display and colour camera
1	BT-322011	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)
		Without addresses list
		With addresses list
1	BT-322012	<b>Nameplate module</b>
		Zamak nameplate module to install at the side of the digital call street panel Cat.No BT-322011 to insert the list of residents or customised messages
		Easy insertion / replacement of nameplates
		Flush-mounting installation (flush-mounting box supplied)
1	BT-322030	<b>Pushbutton call colour street panels</b>
1	BT-322031	Zamak pushbutton street panel with pushbuttons colour camera. Flush-mounting installation (flush-mounting box supplied)
		With 10 call pushbuttons
		With 20 call pushbuttons

Pack	Cat.Nos	Additional pushbutton module
1	BT-322032	Additional Zamak pushbutton panel with pushbuttons on single column
1	BT-322033	Easy insertion / replacement of nameplates
		Flush-mounting installation (flush-mounting box supplied)
		With 16 call pushbuttons
		With 32 call pushbuttons
1	BT-322020	<b>Single call small street panel</b>
		Aluminium alloy single call small street panel to be installed in one-family systems or as private street panel in multifamily systems
		Touch-sensitive pushbutton for calling indoor handsets and direct conversation
		Double verified intercom calls
		Surface-mounting
1	BT-322001	<b>Surface-mounting boxes</b>
		<b>1 module</b>
		Box for street panel wall-mounting installation
		Rainshield integrated
		Compatible with Cat.No:
		- BT-322010 (digital street panel)
		- BT-321011 (digital street panel with address list)
		- BT-321030 (10 pushbutton street panel)
		- BT-321031 (20 pushbutton street panel)
		<b>2 modules</b>
		Box for street panel wall-mounting installation
		Rainshield integrated
		Compatible with Cat.No:
		- BT-322010 (digital street panel)
		- BT-321011 (digital street panel with address list)
		- BT-321030 (10 push button street panel)
		- BT-321031 (20 push button street panel)
		- and one expansion module:
		BT-321012 (targa module) or BT-321032 (16 pushbutton extension) or BT-321033 (32 pushbutton extension)

# D45 System

## internal units



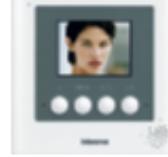
BT-322050



BT-321010



BT-321070



BT-321060



BT-322040

Pack	Cat.Nos	Hands-free colour internal units
		<b>For standard video door entry functions plus Intercom</b> 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	BT-322050	Hands-free slim colour internal unit with alarm function, with 7" TFT LED backlit screen (16/9 format)
1	BT-321010	Hands-free colour internal unit with alarm function, with 5.6" TFT LED backlit screen (4/3 format)
1	BT-321011	Hands-free colour internal unit with alarm function, with 3.5" TFT LED backlit screen
		<b>For standard video door entry functions plus direct call</b>
1	BT-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

Pack	Cat.Nos	Audio handset internal unit
1	BT-322040	Handset audio internal unit, equipped for standard door entry system functions plus Intercom with other internal unit and direct call to the switchboard Possibility to connect an external SOS call switch Wall-mounting
		<b>Switchboard</b>
1	BT-323001	Table-top switchboard unit with high resolution 7" LCD display with graphic icons Able to communicate with internal units, street 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

Pack	Cat.Nos	Touch screen hands-free internal units
		Complete door entry functions with alarm managements International standard SOS pushbutton, intercom function, programming device touch screen functions Digital photo frame and camera functions Direct call to switchboard function 6 different default selectable ringtones (can be changed with your favourite music) Slot for SD CARD Surge protection Wall-mounting
1	BT-321070	7" touch screen video internal unit
1	BT-321071	10" touch screen video internal unit

# D45 System

## system accessories



BT-323002



BT-323003



BT-323005



BT-323009

Pack	Cat.Nos	System accessories
1	BT-323002	<p><b>Floor shunt</b> 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</p>
1	BT-323022	<p><b>One-output floor shunt</b> Interface to be installed between floors Connects all the system BUS adapting video signal from difference ended into a single ended and distribute the BUS to the extensions indoor unit Build in a small plastic case to be installed easily inside the system junction boxes</p>
1	BT-323003	<p><b>Riser shunt</b> 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</p>
1	BT-323004	<p><b>Entrance panel video mixer</b> 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</p>
1	BT-323005	<p><b>Power supply</b> 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</p>
1	BT-323007	<p><b>2-way video splitter</b> 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</p>

Pack	Cat.Nos	System accessories (continued)
1	BT-323008	<p><b>Basic apartment interface</b> Device must be used in apartments with 2 or 3 internal units Interface must be installed between the floor shunt (Cat.No BT-323002) and the internal units DIN rail installation</p>
1	BT-323009	<p><b>Apartment interface</b> 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</p>
1	BT-323010	<p><b>Auxiliary power supply</b> Auxiliary power supply 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 Wall-mounting installation</p>
1	BT-323011	<p><b>D45/IP interface</b> 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</p>

# D45 System

## system accessories (continued)



BT-323016



BT-323018



BT-323023



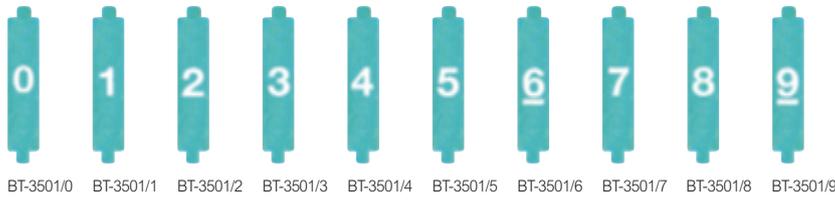
BT-346858

Pack	Cat.Nos	System accessories (continued)
1	BT-323012	<b>IP management switchboard software</b> Integrated IP management software provides the communication for calls between internal units and the switchboard
1	BT-323013	<b>District generator</b> District hub to be connected to 4 riser shunts (Cat.No BT-323003), one street panel, one switchboard and one system power supply Enables a large network to be created Controls and changes video channels Provides amplifying compensation for video signals DIN rail installation
1	BT-323015	<b>Door lock accessory</b> 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
1	BT-323016	<b>House shunt</b> Distributes video, audio and data signals from the BUS to the floor shunt (Cat.No BT-323002) connected to it, so that the signals from the BUS unit can reach the maximum distance of 200 metres, to meet specific domestic requirements To be installed in the low voltage subscriber unit in the house DIN rail installation
1	BT-323021	<b>Accessory for additional camera</b> Interface that permits to integrate additional camera to the system The image from the camera can be visualized by all the internal units of the system Additional camera accessory increases security level of the system giving the possibility to monitor public area (ex. garden, swimming pool, parking) 4 additional cameras max. per accessory Compatible with coaxial camera 12V

Pack	Cat.Nos	System accessories (continued)
1	BT-323017	<b>Lift control interface</b> For integrating the D45 system with the elevator system Possibility to manage the elevator directly from the internal unit
1	BT-323018	<b>Street panel/Switchboard shunt</b> Used to connect the entrance panel and the switchboard to the system The device automatically switches over the video channels DIN rail installation
1	BT-323019	<b>System expansion interface</b> 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	BT-323020	<b>Configuration tool</b> Configuration kit consisting of: - SF2 configuration software - Tool interface - Serial extension cable - Flat cable
1	BT-323023	<b>Small street panel video mixer</b> Interface for the installation of several small street panels for each internal unit or for each apartment Permits to install 4 small street panels By using more than one accessory in series, it's possible to install more than 4 street panels
1	BT-346858	<b>D45 to BTicino 2-wire interface</b> Switch-over interface to install the BTicino 2-wire door entry system inside the apartment DIN rail installation

# D45 System

## system accessories (continued)



Pack	Cat.Nos	Surface-mounting boxes
1	BT-322001	<b>1 module</b> Box for street panel wall-mounting installation Rainshield integrated Compatible with Cat.No: - BT-322010 (digital street panel) - BT-321011 (digital street panel with address list) - BT-321030 (10 pushbutton street panel) - BT-321031 (20 pushbutton street panel)
1	BT-322002	<b>2 modules</b> Box for street panel wall-mounting installation Rainshield integrated Compatible with Cat.No: - BT-322010 (digital street panel) - BT-321011 (digital street panel with address list) - BT-321030 (10 push button street panel) - BT-321031 (20 push button street panel) - and one expansion module: BT-321012 (targa module) or BT-321032 (16 pushbutton extension) or BT-321033 (32 pushbutton extension)

Pack	Cat.Nos	Configurators
1	BT-3501/0	<b>Accessories for PABX switchboard</b>
1	BT-3501/1	Configurator 0
1	BT-3501/2	Configurator 1
1	BT-3501/3	Configurator 2
1	BT-3501/4	Configurator 3
1	BT-3501/5	Configurator 4
1	BT-3501/6	Configurator 5
1	BT-3501/7	Configurator 6
1	BT-3501/8	Configurator 7
1	BT-3501/9	Configurator 8
1	BT-3501/JMP	Configurator 9
1	BT-3501/JMP	Configurator JMP
1	BT-3501K	<b>Configurator kit</b> 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



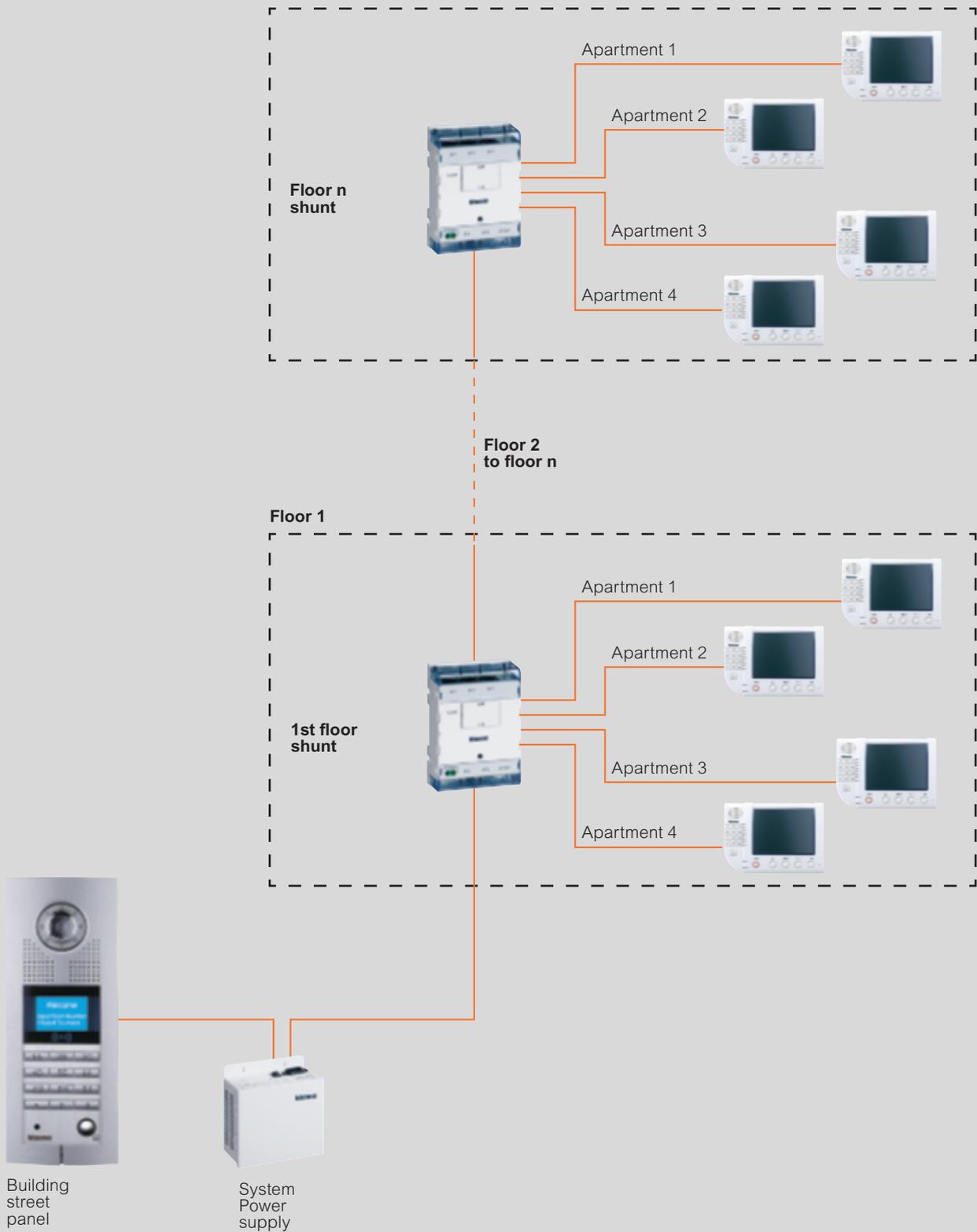
Technical information, see [www.homesystems-legrandgroup.com](http://www.homesystems-legrandgroup.com)

# D45 System

## wiring diagram

■ Example of basic solution for multi-storey buildings

— Cat. 5 cable



# D45 System

## wiring diagram

■ Example of a building complex solution with 1 switchboard

Cat. 5 cable

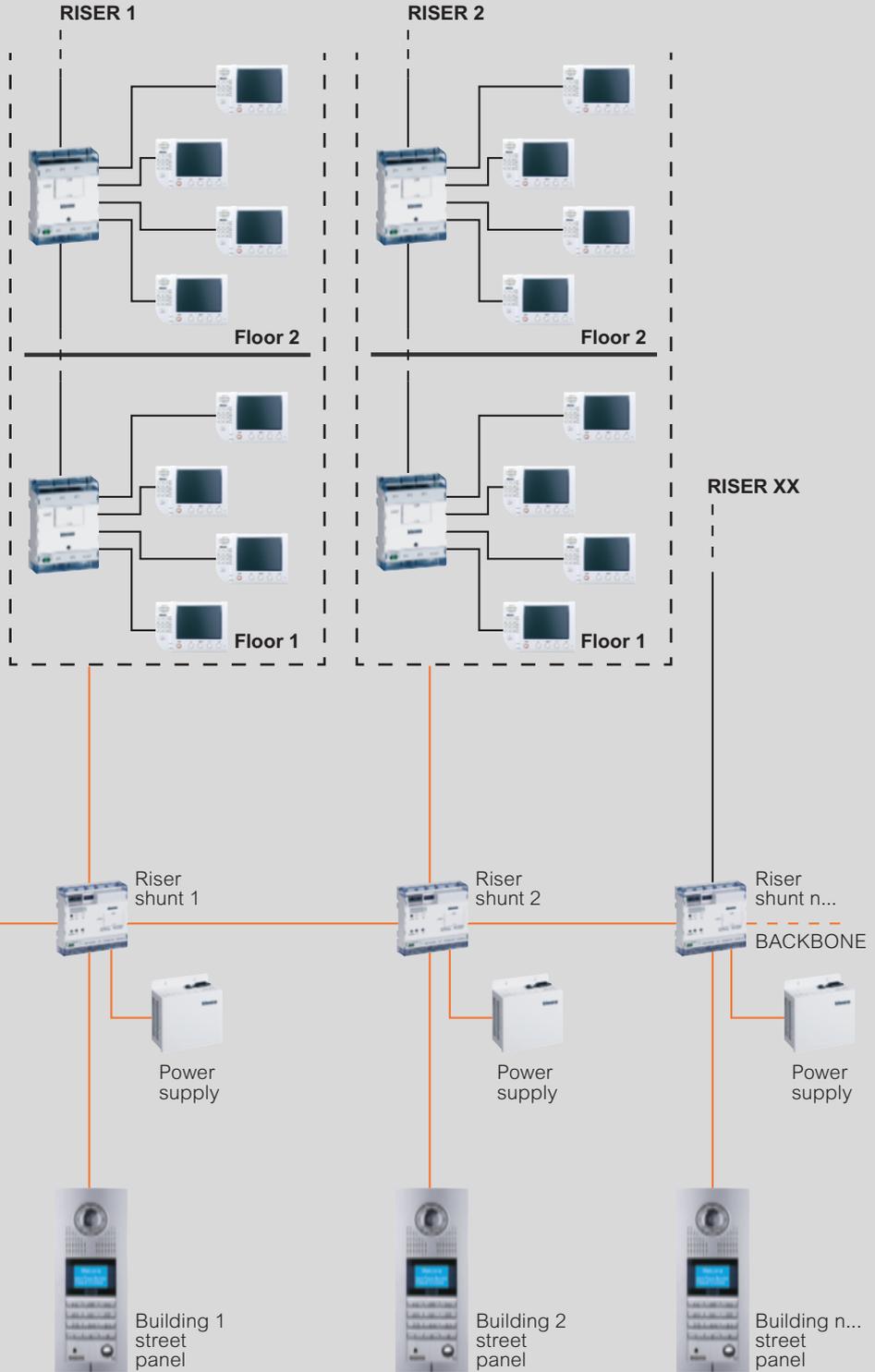
Caox. cable

Additional camera

Switchboard

Street panel switchboard shunt

Building complex street panel







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