

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:**

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

D45 SYSTEM OVERVIEW

STREET PANELS

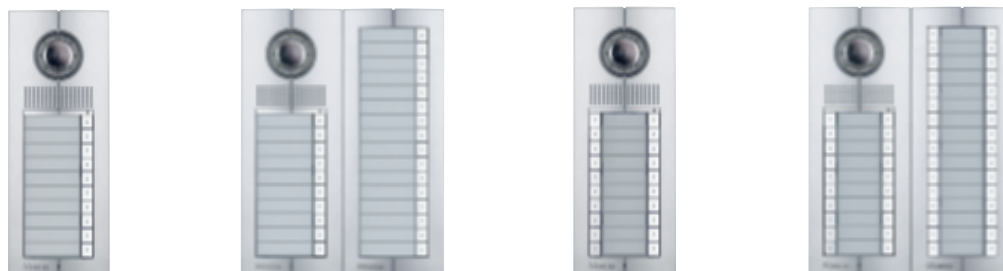
From digital or pushbutton call street panels for large buildings to single call street panels for villas, choose among high performance solutions ensuring both efficiency and reliability.

BUILDING DIGITAL CALL STREET PANEL



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BUILDING PUSHBUTTON CALL STREET PANELS



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SINGLE HOUSE PUSHBUTTON CALL STREET PANEL



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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



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D45 System

street panels



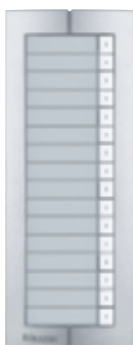
BT-322010



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	Nameplate module
		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	Pushbutton call colour street panels
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	Single call small street panel
		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	Surface-mounting boxes
		1 module
		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)
		2 modules
		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)

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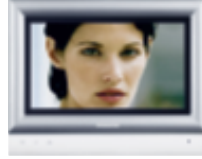
internal units



BT-322050



BT-321010



BT-321070



BT-321060



BT-322040

Pack	Cat.Nos	Hands-free colour internal units
		For standard video door entry functions plus Intercom Equipped for standard video door entry functions plus Intercom with other internal units, direct call to the switchboard, SOS pushbutton and possibility of direct connection with alarm sensors 12 different ringtones Wall-mounting
1	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
		For standard video door entry functions plus direct call
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
		Switchboard
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

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system accessories



BT-323002



BT-323003



BT-323005



BT-323009

Pack	Cat.Nos	System accessories
1	BT-323002	<p>Floor shunt This is used to convert video signals on the BUS to transfer mode and then distribute them to the connected internal units To be installed between floors Each floor shunt can be connected to 4 internal units DIN rail installation</p>
1	BT-323022	<p>One-output floor shunt 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>Riser shunt Used to connect the riser BUS and system BUS in order to obtain BUS separation Transfer signals and switch between video and audio channels Video transfer distance can be increased by setting the gain adjustment dip switch DIN rail installation</p>
1	BT-323004	<p>Entrance panel video mixer Device can mix signals coming from 5 entrance panels Video transfer distance can be adjusted by setting the gain adjustment dip switch DIN rail installation</p>
1	BT-323005	<p>Power supply System power supply unit able to supply power on the data communication cable and simultaneously provide impedance matching for the audio channel Protected against short circuits: in case of DC output short circuit, the device will switch to protected mode. Once the problem has been resolved, it will return to normal status automatically Can also be set up to operate as an auxiliary power supply Wall-mounting</p>
1	BT-323007	<p>2-way video splitter Device splits the BUS signal into two channels where the video signal can only be transferred from input to output Provides compensation to the two channels separately and adapts the video signal output from the street panel for different distances via settings Mainly used in riser systems to divide the riser BUS into several channels to adapt the cabling DIN rail installation</p>

Pack	Cat.Nos	System accessories (continued)
1	BT-323008	<p>Basic apartment interface 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>Apartment interface Device used to expand the number of internal units and add a small street panel Each device can connect 5 internal units and 1 street panel, providing the intercom function and call or monitor function of the street panel DIN rail installation</p>
1	BT-323010	<p>Auxiliary power supply 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>D45/IP interface IP interface which can be connected to the D45 SYSTEM and BTicino 2 wire/IP System in order to create mixed installations DIN rail installation</p>

D45 System

system accessories (continued)



BT-323016



BT-323018



BT-323023



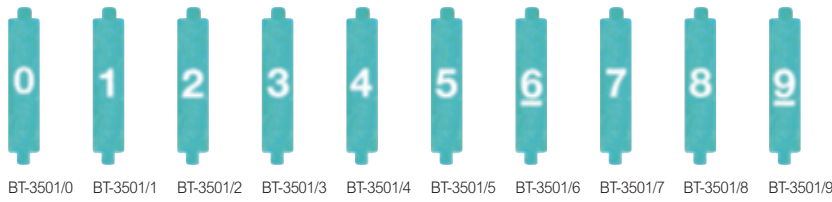
BT-346858

Pack	Cat.Nos	System accessories (continued)
1	BT-323012	IP management switchboard software Integrated IP management software provides the communication for calls between internal units and the switchboard
1	BT-323013	District generator 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	Door lock accessory Operates electric door locks, particularly the commonly used 12 V cathode locks When the opening current of an anode lock is over 1 A, this device is also required to operate anode locks It is generally connected to the street panel to obtain the door lock release control signal Possible to open door locks by means of external manual switches Selection of the type of electric door lock release via the jumper configuration line DIN rail installation
1	BT-323016	House shunt 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	Accessory for additional camera 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	Lift control interface For integrating the D45 system with the elevator system Possibility to manage the elevator directly from the internal unit
1	BT-323018	Street panel/Switchboard shunt 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	System expansion interface Extends the riser system when the number of internal units installed on the riser exceeds the limit of 400 The interface can increase this limit to 800 handsets This device is also used to adjust the video gains and improve video transmission quality DIN rail installation
1	BT-323020	Configuration tool Configuration kit consisting of: - SF2 configuration software - Tool interface - Serial extension cable - Flat cable
1	BT-323023	Small street panel video mixer 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	D45 to BTicino 2-wire interface 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	1 module 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	2 modules 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	Accessories for PABX switchboard
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	Configurator kit 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



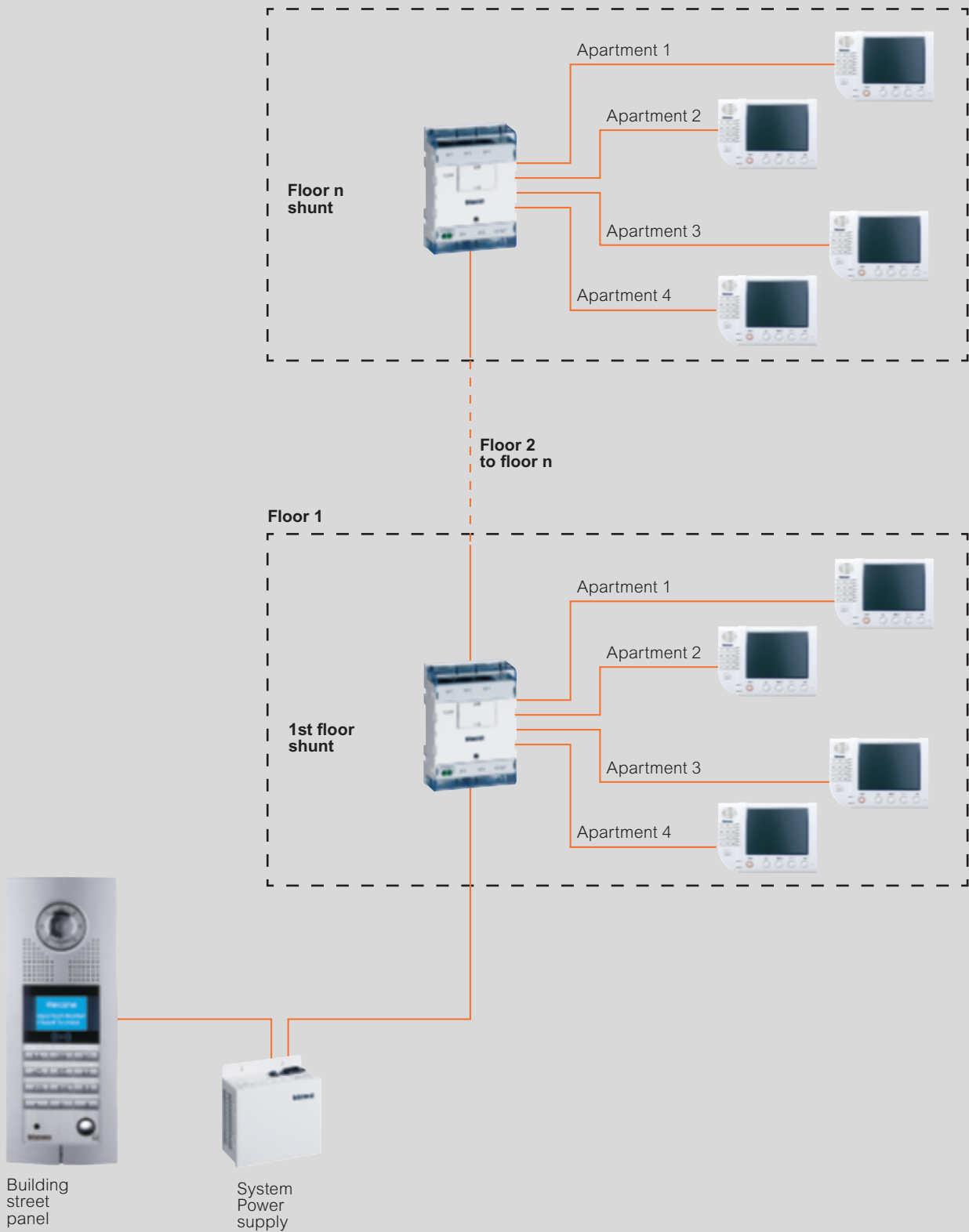
Technical information, see www.homesystems-legrandgroup.com

D45 System

wiring diagram

■ Example of basic solution for multi-storey buildings

— Cat. 5 cable



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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

RISER 1

RISER 2

RISER XX

Floor 2

Floor 2

Floor 1

Floor 1

Riser shunt 1

Riser shunt 2

Riser shunt n...

BACKBONE

Power supply

Power supply

Power supply

Power supply

Building 1 street panel

Building 2 street panel

Building n... street panel

