

VX2300

The simplicity of the 2-wire system for endless solutions



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The 2-wire non-polarized system extremely easy to install and rich in functionality

All the functions are standard and you can create complete systems of all the services that the user wants, maintaining the ease and accessibility of traditional 2-wire systems.

The **configuration is fast** and no additional instrumentation is needed, moreover, **the dedicated App** allows for managing all functions remotely.



With the VX2300 you can create a video intercom system with the simplicity of 2 non-polarized wires, ideal even in case of renovations, thus reducing installation times.



The advantages of the VX2300 system

Infinite solutions with only 2 wires:

The system can be composed of up to:

- 8 main outdoor stations (audio and audio/video);
- 32 secondary entrances (audio and audio/video);
- 3200 users;
- maximum distance of 600 metres.

This allows for the possibility of creating extended and articulated systems while maintaining the simplicity of the 2 wires.

Forget the 2-wire limits, with VX2300 you have all the standard functions

With the VX2300, you have up to 8 additional actuations thanks to the BUS relay module installed on the block that gives you additional services to upgrade the system.

The intercommunication is standard for communication between the indoor stations installed on the same block and inside the same housing unit (branch), even without an outdoor station and without resorting to additional devices.

Also ideal for renovations

The VX2300 2-wire system is ideal for adapting and upgrading video intercom systems, because it is possible to reuse existing cables, reducing installation times and avoiding problems related to masonry work.

The distribution modules are extremely small, therefore they can be installed in existing junction boxes, without further work.

Ease of installation and speed of configuration

The VX2300 system is easily configured via dip-switch and does not require additional instrumentation.

For large systems you can resort to the use of dedicated software, guaranteeing short times and with the possibility of backup of all configurations, essential in case of maintenance.

Both configuration modes can be performed comfortably even before installation on site, greatly reducing time and ensuring easy working conditions in the comfort of your home.

Concierge switchboard

The concierge switchboard is the essential tool for all environments characterised by the presence of a concierge service, such as residential buildings or structures such as clinics, nursing homes and other contexts.

The Videx concierge switchboard uses the Kristallo design, equipped with a table-top handset and a speakerphone (desk kit is included).

- ✓ Backlit keyboard with capacitive touch
- ✓ 2 buttons for direct functions: navigation / mode change
- ✓ 2 power modes: from Bus or local 12Vdc PSU
- ✓ Hands-free mode via answer button
- ✓ Call log from internal stations
- ✓ Possibility of connecting 2 units
- ✓ Selective recall of external stations (Door/gate recall)
- ✓ Activation of the Bus relay to have up to 8 automations



A dedicated App to manage all features remotely

The Videx App allows users to always stay in touch with their home by managing the video intercom directly from any smart device.

automatically, **the App replicates exactly the same properties and features of the video intercom with which it is linked.** This enables you to manage calls, activate services, verify who rang the intercom, inside and outside your home, with extreme ease.



Connect instantly without any configuration

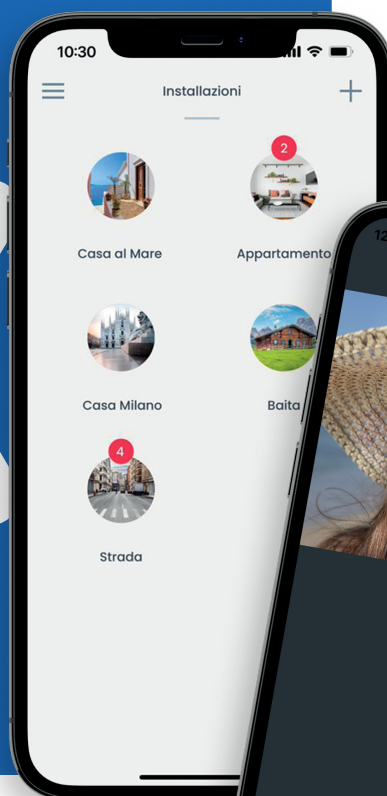
The Videx App does not require any configuration: just register your profile and scan the QR code with your Smartphone camera. This allows the app to link with the video intercom automatically thus inheriting all its properties and features.



Easy and intuitive

The icons of the Videx App are similar to the symbols that we are all accustomed to during daily use of our mobile devices, thus ensuring extreme clarity and ease of use.

In addition, **all devices and services are displayed with custom names** freely chosen during installation, to identify at a glance what you want to operate.



Discover what you can do with the Videx App

The App replicates all the features of the linked video intercom.

Push notifications are always enabled and appear even if the app is closed or the phone screen is locked. In addition, the App shows the **status of the devices** (online, offline) and the **status of each feature** (on, off) to always have feedback on services.

Videx App is free to download from the App Store and Google Play, does not require sensitive data for registration and is extremely stable, so you can be sure to have everything under control at all times.



Answer calls when you're away from home

You can answer from your smartphone wherever you are, whether in the office, on vacation or even if you don't feel like getting up from the couch. And if you can't even answer from your phone, you can check the **list of calls to see if someone was looking for you and when**, in addition to the history of calls received and made.



Open your home gate without a remote control

Do you want to let a loved one in, but they don't have the keys and you're not home?

With just one touch, you can open the gate or another lock and allow entry to whoever you want, whenever you want, and also use this feature if you prefer not to use the remote control.



Manage multiple apartments and systems

With the Videx App there are no limits to the devices that you can control.

You can link multiple video intercoms within the same system with the App. For example, on the lower and upper floors, or in several different systems, such as in your main house, holiday home or office.

All video intercoms that you have linked with the App are automatically displayed on the main screen. You can control the features of the different devices **without having to logout and then reconnect and, above all, you will never miss any calls.**



See what's happening near your home

Whether you're out or at home, you can check your smartphone and view the outdoor station video intercom to see what's happening.



Customising access and service levels

In case of multiple video intercoms within the same system or in separate systems, **you can customise the levels of access and use of the features depending on the user.**

For example, in your office you can have two video intercoms, one of which is set with reduced features that only open the door, and you can decide to link the latter with your colleagues App, thus preventing them from activating the additional features present on the other video intercom.



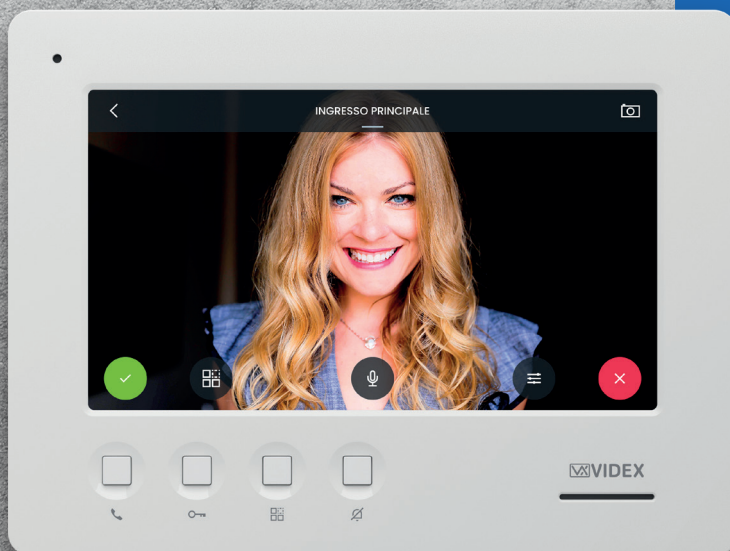
Turn off features

If you want more privacy and wish not to be disturbed by phone calls or if you want to exclude a feature from the remote control, you can easily turn it off through the App. And if you change your mind, reactivate it whenever you want.

Indoor stations

Video intercom

6700 SERIES



**The first
2-wire video
intercom open
to unlimited
integration**

New 6700 series intercom

The new 6700 series video intercom with VX2300 technology is **the first 2-wire Wi-Fi monitor** that is extremely **powerful and is fully interoperable**.

It supports RTSP and HTTP protocols that allow for communication with all third-party devices, and it is possible to create integrated professional solutions for Security, Smart Building, Smart Home and CCTV.

With the new 6700 monitor, you can build a system with the **freedom of choosing the best specialist partners for the other systems**, thus offering the user a **truly high level integrated solution** and performance.

The first 2-wire video intercom that can be integrated with third-party systems

Remote function control via free App

Multi-compatible RTSP and HTTP

Integrated smart chronothermostat

The all-in-one panel for supervision of integrated technologies



Standard integrated smart programmable chronothermostat in the new 6700 video intercom

Do you want to manage the **temperature control** of your environments with a **smart App**?

You can do this with the new 6700 video intercom with integrated programmable chronothermostat: you don't have to buy additional devices and you can get all the features you want on the free App.

To manage smart temperature control, it has always been necessary to buy and install a special device, thus spending a lot more and also compromising interior aesthetics with an umpteenth device placed on the wall and an umpteenth App to download for use. Finally, today you can manage temperature control directly from your video intercom with the new 6700, with a standard smart programmable thermostat for monitoring and controlling the temperature, locally and remotely.

You will not have to buy any other device, thus you will save money and also maintain harmonious environments, but, above all, you will be able to manage temperature control directly from your video intercom and remotely through

a single, completely free Vindex App, without licensing constraints.

It is easy to use, thanks to the interface designed for users that is identical for both the device use and the App, which allows for every operation to be within everyone's reach, but, above all, you can have everything under control and optimise functionality.

- Adjust the chronothermostat regardless of the set programming and room temperature;
- Display of the set temperature and the humidity level of the room;
- Set and change default programs according to your habits through weekly management and by time bands;
- Manage the chronothermostat functions from multiple mobile devices;
- Control of the programmable features of multiple video intercoms installed within the same home and setting of the desired temperature for each area of the house;
- In the case of multiple 6700 video intercoms installed in different homes (e.g. main house and holiday home), you can manage the chronothermostat features of all devices directly from the same app.

Manage the functions of the 6700 video intercom through the Videx App

The Videx app exactly replicates **all the functions of the linked video intercom**, so you can manage them wherever you are without worries.

- You can answer calls directly from your smartphone, even if the app is in stand-by thanks to **push notifications** and check the **call log** at any time;
- All relay actuations can be activated via the app so you can open the gate, turn on the irrigation, turn on the stair lights and much more when you are away from home.

And, if you have installed more than one video intercom, for example for a holiday home, you can manage all the functions from a single app thanks to the **multi-system function**.



TFT LCD 7" 16/9 full capacitive touch display

The large display with full-touch function facilitates navigation between functions and **transforms the video intercom into an all-in-one monitor of integrated technologies.**

LCD high resolution 800×480 pixel

The 800×480 pixel resolution allows for an **extremely high quality display.**

In addition, it ensures uncompromising visual performance in case of integration with third-party IP video cameras, via RTSP protocol.

Embedded Linux Software

Linux is synonymous with information processing speed and reliability over time: these features mean that the new 6700 monitor offers **smooth management of all video intercom and integration operations.**

4 tactile buttons

The front buttons are designed to make **the main features of the video intercom quick and immediate.**

- Auto power on/voice input;
- Intercommunication;
- Privacy service;
- Relay activation.

Integrated browser

The integrated browser allows for full **interoperability with third-party devices that have their own web server.**

Through plug-ins from many Security, Home Automation and CCTV manufacturers, it is possible to **quickly integrate the basic features**, with guaranteed automatic updates and without complex configurations.

Full duplex speaker

The 6700 monitor has full duplex audio and intelligibility from true audio specialists, ensuring clear, seamless conversations.



6700 SERIES

Serie 6700: Il pannello di supervisione all-in-one delle tecnologie e funzioni integrate

Il nuovo videocitofono serie 6700 con tecnologia IPure è potente e completamente interoperabile, supporta i protocolli RTSP e HTTP che consentono il dialogo con tutti i dispositivi di terze parti ed è possibile realizzare soluzioni professionali integrate di Security, Smart Building, Smart Home e TVCC.



6200 SERIES

6200 Series: the classic handset model evolves with an elegant, minimal design

The 6200 Series video intercoms are the classic models with handset, are equipped with 3.5" monitor and stand out for their elegant, compact design.

In addition, thanks to VX2300 technology, intercommunication and activation of BUS relays are standard.



6300 SERIES

6300 Series: hands-free in an ultra-compact format

The 6300 Series features a full-duplex audio speaker with an audio output from audio specialists; the ultra-compact design makes it perfect for any application.

In addition, thanks to VX2300 technology, intercommunication and activation of BUS relays are standard.



KRISTALLO SERIES

Kristallo Series: luxury and sophistication in video intercoms

The Kristallo Series includes video intercoms running on a handset or speakerphone with 3.5" and 7" displays.

The Vindex concierge switchboard uses the Kristallo design, equipped with a table-top handset and a speakerphone (desk kit is included).

Outdoor stations

Push-button panel

4000 SERIES



4000 Series push-button panel: redefines the modular solu- tion standard

Extremely sturdy, easy to install and super compact, it is available in an **analogue push-button panel** and **digital plate version with electronic address book**.

Its tech design makes it modern and can be contextualised in every application, from residential to large buildings, tertiary and industrial structures.



IP65



IK09



WIDE
ANGLE



Freedom of installation

The analogue composition, developed on the support of up to 9 modules, can handle **up to 42 audio and audio/video users**.

The digital version is characterised by its **compact size that occupies only 2 modules**.

Extreme strength and durability over time

The 4000 Series push-button panel is **vandal-resistant with a certified degree of impact resistance up to IK09**; the modules are made of AISI 316 satin-finished stainless steel (marine grade) for installations in critical environments exposed to the elements.

Weather resistant

Thanks to the neoprene gasket present in the module holder frames, the push-button panel always has a **perfect grip against the wall even on uneven surfaces**.

The **IP65 certification** makes the installation of frames or rain shields unnecessary.

Reduced installation and maintenance time

The module holder frame has side hinges that allow for the outdoor stations to be opened like a book, **thus facilitating installation, inspection and maintenance procedures**.

All modules use flat IDC cables for **fast installation, thus reducing installation times**.

Standard RFID reader

All audio and video modules and the digital plate have an **RFID reader for proximity keys for access control**: it is possible to configure up to 1,000 955/T key tags or 955/C cards.

Visual and acoustic alerts

The audio and audio/video modules are equipped with **4 visual signalling LEDs for the hearing impaired**: busy, call in progress, communication open and door open. **Acoustic alerts for the visually impaired indicate a call in progress and busy status**.

Electret microphone: Hi-Fi intelligibility

The audio and video modules are equipped with an electret microphone, **the audio balance is perfect** and Larsen effect or amplification issues in general are eliminated.

High resolution colour wide-angle video cameras

The video camera is wide-angle Auto-Iris colour. The wide-angle technology and the 4 white LEDs capture a **very large area view, up to 80° vertically and 170° horizontally**, with very high image quality and sharpness even at night.

2 standard relay services

The audio and audio/video modules include 2 clean contact relays for opening 2 gates/doors in proximity to the outdoor station.

Indoor stations



6789

7" Connected video intercom full-duplex audio speaker

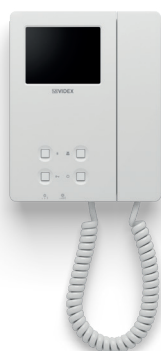
6700 Series video intercom for VX2300 system, Embedded Linux operating system, 7" 16/9 high resolution (800×480 pixels) LCD TFT full capacitive touchscreen, full-duplex audio speaker, temperature/humidity sensor, 2 active/low inputs, 2 relay outputs that can be activated locally (C, NO - max 35V DC 50mA), 4 tactile buttons that can be configured or dedicated to preset functions: conversation/auto power on, door opener, intercom call (4), privacy service, etc. Contrast adjustment, brightness and call volume. Local call input, intercom function without limits that can be configured from screen. Features: privacy programmable through GUI menu, weather widget, switching outdoor audio/video stations or CCTV video cameras implemented with RTSP protocol, event log available locally or through the VIDEX APP, CCTV implementation with PiP feature. Smart chronothermostat function that can be managed locally or through the Videx APP. Integrated browser. Wi-Fi dongle module as standard for connectivity functions to the VIDEX CLOUD and integrations with third parties. Configuring of the device through screen GUI menu. White ABS material. Power supply from BUS or optional 18Vdc with Cod. 323/18. Dimensions: 200×150×27mm. Wall-mounted, optional table base cod. 67931.



6788

Full-duplex 7" video intercom with speakerphone

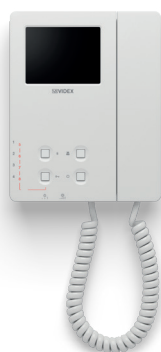
6700 series video intercom for VX2300 system, 7" 16/9 LCD TFT, full-duplex speakerphone, 4 tactile buttons for preset functions: conversation/auto power on, door opener, intercom call (4), camera switching/privacy service, etc. Contrast, brightness and call volume adjustment. Local call input, intercom function configurable through dip-switch. Functions: programmable privacy. Device configuration via dip-switch. White ABS material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Dimensions: 200×150×27mm. Wall-mounted, optional table base cod. 67931.



6286

3.5" video intercom with handset

6200 series video intercom for VX2300 system with handset, 3.5" LCD TFT monitor, 4 tactile buttons for preset functions: conversation/ auto ignition, door opener, intercom call, camera switching/privacy service and remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Multiple intercom function through dedicated button for up to 4 devices in the same column or junction box. Device configuration via dip-switch. White ABS material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Dimensions: 144×182×27mm. Wall-mounted, optional table base cod. 62931.



6287/8

3.5" video intercom with handset - 8 buttons

6200 series video intercom for VX2300 system with handset, 3.5" LCD TFT monitor, 8 tactile buttons for preset functions: conversation/ auto ignition, door opener, intercom call, camera switching/privacy service and remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 8 devices in the same column or junction box. Device configuration via dip-switch. White ABS material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Dimensions: 144×182×27mm. Wall-mounted, optional table base cod. 62931.

**6388**

Full-duplex 3.5" video intercom with speakerphone

6200 series video intercom for VX2300 full-duplex speakerphone system, 3.5" LCD TFT monitor, 4 tactile buttons for preset functions: conversation, call rejection, auto-power on, door opener, intercom call, camera switching, privacy service and remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Multiple intercom function through dedicated button for up to 4 devices in the same column or junction box. Device configuration via dip-switch. White ABS material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Dimensions: 102×182×27mm. Wall-mounted, optional table base cod. 63931.

**KRV82/W**

3.5" video intercom with handset

KRISTALLO series video intercom for VX2300 system with full duplex handset and speakerphone, 3.5" LCD TFT monitor, 8 soft touch buttons for functions: conversation, auto ignition, door opener, intercom call (4), camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 4 devices in the same column or junction box. Device configuration via dip-switch. Polished effect white polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Dimensions: 155×182×29mm. Wall-mounted, optional table base cod. KRV931.

**KRV82/B**

3.5" video intercom with handset

KRISTALLO series video intercom for VX2300 system with full duplex handset and speakerphone, 3.5" LCD TFT monitor, 8 soft touch buttons for functions: conversation, auto ignition, door opener, intercom call (4), camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 4 devices in the same column or junction box. Device configuration via dip-switch. Polished effect black polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Dimensions: 155×182×29mm. Wall-mounted, optional table base cod. KRV931.

**KRV84/W**

3.5" flush full-duplex speakerphone

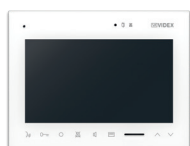
KRISTALLO series video intercom for VX2300 full-duplex speakerphone system, 3.5" LCD TFT monitor, 8 soft touch buttons for functions: conversation, call rejection, auto-power on, door opener, intercom call (4), camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 4 devices in the same column or junction box. Device configuration via dip-switch. Polished effect white polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Surface mounting dimensions: 120×190×29mm. Flush installation through boxes Cod. KRV981 or KRV983. Flush mounting dimensions: 120×190×8mm.



KRV84/B

3.5" flush full-duplex speakerphone

KRISTALLO series video intercom for VX2300 full-duplex speakerphone system, 3.5" LCD TFT monitor, 8 soft touch buttons for functions: conversation, call rejection, auto-power on, door opener, intercom call (4), camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 4 devices in the same column or junction box. Device configuration via dip-switch. Polished effect black polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Surface mounting dimensions: 120×190×29mm. Flush installation through boxes Cod. KRV981 or KRV983. Flush mounting dimensions: 120×190×8mm.



KRV782/W

Full-duplex 7" video intercom with speakerphone

KRISTALLO series video intercom for VX2300 full-duplex speakerphone system, 7" LCD TFT monitor, 8 soft touch buttons for functions: conversation, call rejection, auto-power on, door opener, intercom call, video camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 4 devices in the same column or junction box. Device configuration via dip-switch. Polished effect white polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Surface mounting dimensions: 190×147×32mm. Wall installation through Cod. KRV7985/W, for table Cod. KRV7931, or flush through Cod. KRV7981 or KRV7983. Flush mounting dimensions: 190×147×9mm.



KRV782/B

Full-duplex 7" video intercom with speakerphone

KRISTALLO series video intercom for VX2300 full-duplex speakerphone system, 7" LCD TFT monitor, 8 soft touch buttons for functions: conversation, call rejection, auto-power on, door opener, intercom call, video camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust contrast, brightness, call volume and privacy. Standard intercom function for up to 4 devices in the same column or junction box. Device configuration via dip-switch. Polished effect black polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Surface mounting dimensions: 190×147×32mm. Wall installation through Cod. KRV7985/B, for table Cod. KRV7931, or flush through Cod. KRV7981 or KRV7983. Flush mounting dimensions: 190×147×9mm.

**3183**

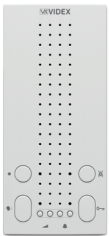
Intercom with handset

3000 series intercom for VX2300 system, 2 buttons for functions: door opener, intercom call, and remote relay activation Cod. 2305. Local call input. Adjustment of call volume (3 levels) and number of rings. Multiple intercom function through dedicated button for up to 4 devices in the same column or junction box. White ABS material. BUS power supply. Dimensions: 85×218×55mm. Wall-mounted, optional table base cod. 3038.

**3187/8**

Video intercom with handset - 5 buttons

3000 series intercom for VX2300 system, 5 buttons for functions: door opener, intercom call, and remote relay activation Cod. 2305. Local call input. Adjustment of call volume (3 levels) and number of rings. Standard intercom function for up to 8 devices in the same column or junction box. White ABS material. BUS power supply. Dimensions: 85×218×55mm. Wall-mounted, optional table base cod. 3038.

**5188**

Full-duplex speakerphone intercom

5000 series intercom for VX2300 speakerphone, full-duplex system, 4 buttons for functions: answering, end of conversation, door opener, intercom call, privacy service, remote relay activation Cod. 2305. Local call input. Call volume, number of rings and ringtone adjustment. Multiple intercom function through dedicated button for up to 4 devices in the same column or junction box. White ABS material. BUS power supply. Dimensions: 74×164×23.5mm. Wall-mounted, optional table base cod. 5138.


67931

Table base for 6789 and 6788

Table base for video intercoms Cod. 6789 and 6788 including connecting socket (18 wires). Material: Satin finish Stainless Steel.


62931

Table base for 6286 and 6287/8

Table base for video intercoms Cod. 6286 and 6287/8 including connecting socket (18 wires). Material: Satin finish Stainless Steel.


63931

Table base for 6388

Table base for video intercom 6388 including connecting socket (18 wires). Material: Satin finish Stainless Steel.


KRV931

Table base for KRV82/W-B

Table base for video intercom KRV82/W-B including connecting socket (18 wires). Material: Satin finish Stainless Steel.


KRV7931

Table base for KRV782/W-B

Table base for video intercom KRV782/W-B including connecting socket (18 wires). Material: Satin finish Stainless Steel.


3038

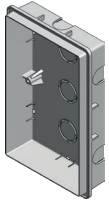
Table base for 3183 and 3187/8

Table base for 3000 series intercoms. Material: painted steel.

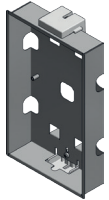

5138

Table base for 5188

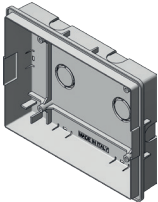
Table base for video intercom 5188 including connecting socket. Material: Satin finish Stainless Steel.

**KRV981****Flush installation box for KRV84/W-B**

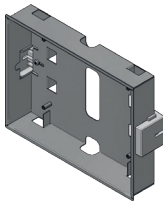
Flush installation box for monitor Cod. KRV84/W-B.

**KRV983****Flush installation box for KRV84/W-B**

Flush installation box/plasterboard for monitor Cod. KRV84/W-B.

**KRV7981****Flush installation box for KRV782/W-B**

Flush installation box for monitor Cod. KRV782/W-B.

**KRV7983****Flush installation box for KRV782/W-B**

Flush installation box/plasterboard for monitor Cod. KRV782/W-B.

**KRV7985/W****Wall installation kit for KRV782/W**

Wall installation kit for monitor KRV782/W.

**KRV7985/B****Wall installation kit for KRV782/B**

Wall installation kit for monitor KRV782/B.

Outdoor stations



4312V

Vandal resistant digital audio/video module for VX2300 system

Audio/video plate with 4000 series numeric keypad for VX2300 system with graphic display and integrated 1/4" CMOS colour video camera with sensitivity min 1 Lux and resolution from 976×582 (PAL), wide angle view (V80°-170°H). 4 LED white light for night vision. Vandal resistant keyboard with blue LED backlight. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Signalling on display and acoustics for the visually impaired of the system status: busy, call in progress, start conversation and open door. Directory up to 3200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader (standard 125KHz H4102 and optional Mifare/NFC) for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10000 events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, 2 programmable series inputs (PTE) and enabling of TRADE function. 1 RS-485 bus port and USB for programming use and/or connection accessories. Adjustable microphone and speaker levels. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified device configuration through software. 2208. Dimensions: 103×240 mm. Encumbrance 2 modules.



4312RV

Digital vandal resistant audio/video module with electronic address book for VX2300 system

Audio/video plate with electronic address book and 4000 series numeric keypad for VX2300 system with graphic display and integrated 1/4" CMOS colour video camera with sensitivity min 1 Lux and resolution from 976×582 (PAL), wide angle view (V80°-170°H). 4 LED white light for night vision. Vandal resistant keyboard with blue LED backlight. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Signalling on display and acoustics for the visually impaired of the system status: busy, call in progress, start conversation and open door. Directory up to 3200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader (standard 125KHz H4102 and optional Mifare/NFC) for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10000 events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, 2 programmable series inputs (PTE) and enabling of TRADE function. 1 RS-485 bus port and USB for programming use and/or connection accessories. Adjustable microphone and speaker levels. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified device configuration through software. 2208. Dimensions: 103×240 mm. Encumbrance 2 modules.



4312

Vandal resistant digital audio module for VX2300 system

Audio plate with 4000 series numeric keypad for VX2300 system with graphic display and Vandal resistant keypad with blue LED backlight. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Signalling on display and acoustics for the visually impaired of the system status: busy, call in progress, start conversation and open door. Directory up to 3200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader (standard 125KHz H4102 and optional Mifare/NFC) for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10000 events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, 2 programmable series inputs (PTE) and enabling of TRADE function. 1 RS-485 bus port and USB for programming use and/or connection accessories. Adjustable microphone and speaker levels. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified device configuration through software. 2208. Dimensions: 103×240 mm. Encumbrance 2 modules.



4312R

Digital vandal resistant audio module with electronic address book for VX2300 system

Audio plate with 4000 series numeric keypad for VX2300 system with graphic display and Vandal resistant keypad with blue LED backlight. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Signalling on display and acoustics for the visually impaired of the system status: busy, call in progress, start conversation and open door. Directory up to 3200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader (standard 125KHz H4102 and optional Mifare/NFC) for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10000 events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, 2 programmable series inputs (PTE) and enabling of TRADE function. 1 RS-485 bus port and USB for programming use and/or connection accessories. Adjustable microphone and speaker levels. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified device configuration through software. 2208. Dimensions: 103×240 mm. Encumbrance 2 modules.



4312V/F

Vandal resistant digital audio/video plate for VX2300 system

Audio/video plate with FLUSH series numeric keypad for VX2300 system with graphic display and integrated 1/4" CMOS colour video camera with sensitivity min 1 Lux and resolution from 976×582 (PAL), wide angle view (V80°-170°H). 4 LED white light for night vision. Vandal resistant keyboard with blue LED backlight. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Signalling on display and acoustics for the visually impaired of the system status: busy, call in progress, start conversation and open door. Directory up to 3200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader (standard 125KHz H4102 and optional Mifare/NFC) for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10000 events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, 2 programmable series inputs (PTE) and enabling of TRADE function. 1 RS-485 bus port and USB for programming use and/or connection accessories. Adjustable microphone and speaker levels. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified device configuration through software. 2208. Dimensions: 135×280×47 mm. Flush box included, dimensions 120×263×45 mm. No installation accessories required.



4312RV/F

Digital vandal resistant audio/video single plate with electronic address book for VX2300 system

Audio/video plate with electronic address book and FLUSH series numeric keypad for VX2300 system with graphic display and integrated 1/4" CMOS colour video camera with sensitivity min 1 Lux and resolution from 976×582 (PAL), wide angle view (V80°-170°H). 4 LED white light for night vision. Vandal resistant keyboard with blue LED backlight. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Signalling on display and acoustics for the visually impaired of the system status: busy, call in progress, start conversation and open door. Directory up to 3200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader (standard 125KHz H4102 and optional Mifare/NFC) for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10000 events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, 2 programmable series inputs (PTE) and enabling of TRADE function. 1 RS-485 bus port and USB for programming use and/or connection accessories. Adjustable microphone and speaker levels. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified device configuration through software. 2208. Dimensions: 135×280×47 mm. Flush box included, dimensions 120×263×45 mm. No installation accessories required.



4304X-0/M

Audio module 0 buttons for VX2300 system

4000 series 0-button audio module for VX2300 system with microphone and integrated 8Ω/2W speaker and full-duplex audio function. Integrated RFID proximity reader (125kHz EM4102) for using up to 1,000 keys of which up to 60 can be programmed directly from the module using the master card supplied. RS-485 Interface. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). 4 LEDs for visual alert of system status: busy, call in progress, start conversation and open door. Acoustic alert for the visually impaired: start conversation and open door. Configurable door opening time and conversation. 1 standard relay with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, an open collector output for the activation of a second gate and an input for direct door opening (PTE). Adjustable microphone and speaker levels. Blue LED information card backlighting. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified configuration of the device through dip-switch or programming kit Cod. 2209. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4304X-1/M

Audio module 1 button for VX2300 system

4000 series 1-button audio module for VX2300 system with microphone and integrated 8Ω/2W speaker and full-duplex audio function. Integrated RFID proximity reader (125kHz EM4102) for using up to 1,000 keys of which up to 60 can be programmed directly from the module using the master card supplied. RS-485 Interface. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). 4 LEDs for visual alert of system status: busy, call in progress, start conversation and open door. Acoustic alert for the visually impaired: start conversation and open door. Configurable door opening time and conversation. 1 standard relay with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, an open collector output for the activation of a second gate and an input for direct door opening (PTE). Adjustable microphone and speaker levels. Blue LED information card backlighting. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified configuration of the device through dip-switch or programming kit Cod. 2209. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4304X-2/M

Audio module 2 buttons for VX2300 system

4000 series 2-button audio module for VX2300 system with microphone and integrated 8Ω/2W speaker and full-duplex audio function. Integrated RFID proximity reader (125kHz EM4102) for using up to 1,000 keys of which up to 60 can be programmed directly from the module using the master card supplied. RS-485 Interface. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). 4 LEDs for visual alert of system status: busy, call in progress, start conversation and open door. Acoustic alert for the visually impaired: start conversation and open door. Configurable door opening time and conversation. 1 standard relay with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, an open collector output for the activation of a second gate and an input for direct door opening (PTE). Adjustable microphone and speaker levels. Blue LED information card backlighting. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified configuration of the device through dip-switch or programming kit Cod. 2209. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4384X-0/M/WD

Audio/video module 0 buttons for VX2300 system

Audio/video module 0 buttons 4000 series for VX2300 system, integrated 1/4"CMOS colour video camera with 1 Lux min sensitivity and 976×582 (PAL) resolution, wide angle view (V80°-170°H). 4 LED white light for night vision. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Integrated RFID proximity reader (125kHz EM4102) for using up to 1,000 keys of which up to 60 can be programmed directly from the module using the master card supplied. RS-485 Interface. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). 4 LEDs for visual alert of system status: busy, call in progress, start conversation and open door. Acoustic alert for the visually impaired: start conversation and open door. Configurable door opening time and conversation. 1 standard relay with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, an open collector output for the activation of a second gate and an input for direct door opening (PTE). Adjustable microphone and speaker levels. Blue LED information card backlighting. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified configuration of the device through dip-switch or programming kit Cod. 2209. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4384X-1/M/WD

Audio/video module 1 button for VX2300 system

Audio/video module 1 buttons 4000 series for VX2300 system, integrated 1/4"CMOS colour video camera with 1 Lux min sensitivity and 976×582 (PAL) resolution, wide angle view (V80°-170°H). 4 LED white light for night vision. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Integrated RFID proximity reader (125kHz EM4102) for using up to 1,000 keys of which up to 60 can be programmed directly from the module using the master card supplied. RS-485 Interface. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). 4 LEDs for visual alert of system status: busy, call in progress, start conversation and open door. Acoustic alert for the visually impaired: start conversation and open door. Configurable door opening time and conversation. 1 standard relay with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, an open collector output for the activation of a second gate and an input for direct door opening (PTE). Adjustable microphone and speaker levels. Blue LED information card backlighting. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified configuration of the device through dip-switch or programming kit Cod. 2209. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4384X-2/M/WD

Audio/video module 2 buttons for VX2300 system

Audio/video module 2 buttons 4000 series for VX2300 system, integrated 1/4"CMOS colour video camera with 1 Lux min sensitivity and 976×582 (PAL) resolution, wide angle view (V80°-170°H). 4 LED white light for night vision. Built-in 8Ω/2W microphone and speaker with full-duplex audio function. Integrated RFID proximity reader (125kHz EM4102) for using up to 1,000 keys of which up to 60 can be programmed directly from the module using the master card supplied. RS-485 Interface. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). 4 LEDs for visual alert of system status: busy, call in progress, start conversation and open door. Acoustic alert for the visually impaired: start conversation and open door. Configurable door opening time and conversation. 1 standard relay with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge for the direct powering of the lock, an open collector output for the activation of a second gate and an input for direct door opening (PTE). Adjustable microphone and speaker levels. Blue LED information card backlighting. Microphone to be housed in the specific compartment of the module holder frames that allows for better sound output even in noisy environments, also eliminating any Larsen effect issues. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply by BUS. Simplified configuration of the device through dip-switch or programming kit Cod. 2209. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4043/M

3-button call module common to all systems

3-button call module 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4044/M

4-button call module common to all systems

4-button call module 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4045/M

5-button call module common to all systems

5-button call module 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4042D/M

4-button call module on two columns common to all systems

4-button call module on two columns 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4043D/M

6-button call module on two columns common to all systems

6-button call module on two columns 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4044D/M

8-button call module on two columns common to all systems

8-button call module on two columns 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4045D/M

10-button call module on two columns common to all systems

10-button call module on two columns 4000 Series for IPure, VX2300 and GSM systems. Blue LED name cards backlighting. IDC connector for connection via flat cable (supplied) with other optional modules (maximum 8 modules for a total of 42 buttons). Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Dimensions 103×120×43 mm. Encumbrance 1 module.



4846/M

Information module common to all systems

Information module 4000 Series for IPure, VX2300 and GSM systems. Blue LED backlighting Frame in AISI 316 brushed stainless steel (marine grade) that provide durability in installations subject to atmospheric agents and near marine environments, transparent polycarbonate cover (83×104 mm), writeable card (96×113 mm). Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply 12V DC - 30mA. Dimensions: 103×120×43 mm. Encumbrance 1 module.



VR4KIFM

Vandal resistant information module common to all systems

Information module 4000 series for IPure systems, VX2300 and GSM systems. Blue LED backlighting Frame in AISI 316 brushed stainless steel (marine grade) that provide durability in installations subject to atmospheric agents and near marine environments, transparent polycarbonate cover (52×85 mm), writeable card (62×100 mm). Vandal resistant plate with IK09 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply 12V DC - 30 mA. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4840/M

Blanking module common to all systems

Blanking module 4000 Series for IPure, VX2300 and GSM systems. AISI 316 brushed stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments, Dimensions 103×120×43 mm. Encumbrance 1 module.



VR4KBLM

Vandal resistant blanking module common to all systems

Blanking module 4000 IK09 for IPure, VX2300 and GSM systems. Satin-finished AISI 316 stainless steel plate (marine grade) that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. Vandal resistant plate with IK09 and IP65 protection rating. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4901/M

Stand-alone access control module with numeric keypad common to all systems

Stand-alone access control module for IPure, VX2300 and GSM systems. Backlighting of the 12 buttons with blue LEDs, 2 LEDs for status/operation alerts. 3 relays with contacts C, NC, NO (24V AC/DC - 2A) programmable for temporary activation (01 ... 99 seconds) or for switching operation. Configuration of 3 codes that can be combined with each relay. 2 PTE inputs (active/low) to directly control relays 1 and 2. Acoustic and visual alerts during operation. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply 12/24V AC/DC. Keyboard programming. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4902/M

1000 code stand-alone access control module with numeric keypad common to all systems

Centralised stand-alone access control module for IPure, VX2300 and GSM systems. Backlighting of the 12 buttons with blue LEDs, 2 LEDs for status/operation alerts. 2 relays with contacts C, NC, NO (24V AC/DC - 2A) programmable for temporary activation (01 ... 255 seconds) or for switching operation. Configuration of 1,000 8-digit codes that can be combined with each relay. 2 PTE inputs (active/low) to directly control relays 1 and 2. Acoustic and visual alerts during operation. Two operating modes: stand-alone mode, distributed through RS-485 with control units Cod. 1050 or 1052. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply 12/24V AC/DC. Programming from PC. Dimensions: 103×120×43 mm. Encumbrance 1 module.



4850/M

Stand-alone access control module with proximity reader common to all systems

Stand-alone access control module. 2 LED for status/operation alerts. 1 relays with contacts C, NC, NO (24V AC/DC - 2A) programmable for temporary activation (01 ... 99 seconds) or for switching operation. Configuration of 99 proximity keys that can be paired to the relay. 1 PTE inputs (active/low) to directly control relays. Acoustic and visual alerts during operation. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply 12/24V AC/DC. Dimensions: 103×120×43 mm. Encumbrance 1 module.



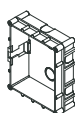
4850P/M

Stand-alone access control module with proximity reader common to all systems

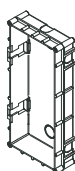
Stand-alone access control module for IPure, VX2300 and GSM systems. 2 LED for status/operation alerts. 1 relays with contacts C, NC, NO (24V AC/DC - 2A) programmable for temporary activation (01 ... 225 seconds) or for switching operation. Configuration up to 1,000 proximity keys that can be combined with the entire relay and/or the remote relay on control unit 1050/1052. 1 PTE inputs (active/low) to directly control relays. Acoustic and visual alerts during operation. Two operating modes: stand-alone mode, distributed through RS-485 with control units Cod. 1050 or 1052. Vandal resistant plate with IK07 and IP65 protection rating. Operating temperature -20°/+60 °C. Power supply 12/24V AC/DC - 2A. Programming from PC (using an RS-485/USB cable). Dimensions: 103×120×43 mm. Encumbrance 1 module.

Series 4000 Accessories

Flush box



FB01
1 module
Dimension:
120×143×45mm.



FB02
2 modules
Dimension:
120×263×45mm.



FB03
3 modules
Dimension:
120×383×45mm.



4851

Flush installation for 1 module

Composed of: flush box and module holder frame. The frame includes 4 self-tapping torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Box dimensions: 120×143×45 mm, frame dimensions: 135×160×17 mm, gunmetal grey colour.



4851AP

Flush installation for 1 module

Composed of: flush box and module holder frame. The frame includes 4 self-tapping torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Box dimensions: 120×143×45 mm, frame dimensions: 135×160×17 mm, aluminium grey colour.

**4852****Flush installation for 2 modules**

Composed of: flush box and module holder frame. The frame includes 4 self-tapping torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Box dimensions: 120×263×45 mm, frame dimensions: 135×280×17 mm, gunmetal grey colour.

**4852AP****Flush installation for 2 modules**

Composed of: flush box and module holder frame. The frame includes 4 self-tapping torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Box dimensions: 120×263×45 mm, frame dimensions: 135×280×17 mm, aluminium grey colour.

**4853****Flush installation for 3 modules**

Composed of: flush box and module holder frame. The frame includes 4 self-tapping torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Box dimensions: 120×383×45 mm, frame dimensions: 135×400×17 mm, gunmetal grey colour.

**4853AP****Flush installation for 3 modules**

Composed of: flush box and module holder frame. The frame includes 4 self-tapping torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Box dimensions: 120×383×45 mm, frame dimensions: 135×400×17 mm, aluminium grey colour.



4881

Surface wall installation for 1 module

Composed of: surface box and module holder frame. The frame includes 4 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 135×160×44 mm, gunmetal grey colour.



4881AP

Surface wall installation for 1 module

Composed of: surface box and module holder frame. The frame includes 4 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 135×160×44 mm, aluminium grey colour.



4882

Surface wall installation for 2 modules

Composed of: surface box and module holder frame. The frame includes 4 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 135×280×44 mm, gunmetal grey colour.



4882AP

Surface wall installation for 2 modules

Composed of: surface box and module holder frame. The frame includes 4 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 135×280×44 mm, aluminium grey colour.

**4883**

Surface wall installation for 3 modules

Composed of: surface box and module holder frame. The frame includes 4 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 135×400×44 mm, gunmetal grey colour.

**4883AP**

Surface wall installation for 3 modules

Composed of: surface box and module holder frame. The frame includes 4 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 135×400×44 mm, aluminium grey colour.

**4884**

Surface wall installation for 4 modules

Composed of: surface box and module holder frame. The frame includes 8 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 270×280×44 mm, gunmetal grey colour.

**4884AP**

Surface wall installation for 4 modules

Composed of: surface box and module holder frame. The frame includes 8 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 270×280×44 mm, aluminium grey colour.


4886

Surface wall installation for 6 modules

Composed of: surface box and module holder frame. The frame includes 8 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 270×400×44 mm, gunmetal grey colour.


4886AP

Surface wall installation for 6 modules

Composed of: surface box and module holder frame. The frame includes 8 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 270×400×44 mm, aluminium grey colour.


4889

Surface wall installation for 9 modules

Composed of: surface box and module holder frame. The frame includes 12 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 405×400×44 mm, gunmetal grey colour.


4889AP

Surface wall installation for 9 modules

Composed of: surface box and module holder frame. The frame includes 12 torx type security screws, a sealing gasket and side hinges to allow the frame to be opened for installation or inspection. Dimensions 405×400×44 mm, aluminium grey colour.

**4871**

Rain shield for 1-module frame for flush installation kit

Dimensions 157×164×35 mm, gunmetal grey colour.

**4871AP**

Rain shield for 1-module frame for flush installation kit

Dimensions 157×164×35 mm, aluminium grey colour.

**4872**

Rain shield for 2-module frame for flush installation kit

Dimensions 157×284×35 mm, gunmetal grey colour.

**4872AP**

Rain shield for 2-module frame for flush installation kit

Dimensions 157×284×35 mm, aluminium grey colour.

**4873**

Rain shield for 3-module frame for flush installation kit

Dimensions 157×404×35 mm, gunmetal grey colour.

**4873AP**

Rain shield for 3-module frame for flush installation kit

Dimensions 157×404×35 mm, aluminium grey colour.



4874

Rain shield for 4-module frame for flush installation kit

Dimensions 292×284×35 mm, gunmetal grey colour.



4874AP

Rain shield for 4-module frame for flush installation kit

Dimensions 292×284×35 mm, aluminium grey colour.



4876

Rain shield for 6-module frame for flush installation kit

Dimensions 292×404×35 mm, gunmetal grey colour.



4876AP

Rain shield for 6-module frame for flush installation kit

Dimensions 292×404×35 mm, aluminium grey colour.



4879

Rain shield for 9-module frame for flush installation kit

Dimensions 427×404×35 mm, gunmetal grey colour.



4879AP

Rain shield for 9-module frame for flush installation kit

Dimensions 427×404×35 mm, aluminium grey colour.

**4891**

Rain shield for 1-module frame for surface kit

Dimensions 157×164×62 mm, gunmetal grey colour.

**4891AP**

Rain shield for 1-module frame for surface kit

Dimensions 157×164×62 mm, aluminium grey colour.

**4892**

Rain shield for 2-module frame for surface kit

Dimensions 157×284×62 mm, gunmetal grey colour.

**4892AP**

Rain shield for 2-module frame for surface kit

Dimensions 157×284×62 mm, aluminium grey colour.

**4893**

Rain shield for 3-module frame for surface kit

Dimensions 157×404×62 mm, gunmetal grey colour.

**4893AP**

Rain shield for 3-module frame for surface kit

Dimensions 157×404×62 mm, aluminium grey colour.

**4894**

Rain shield for 4-module frame for surface kit

Dimensions 292×284×62 mm, gunmetal grey colour.

**4894AP**

Rain shield for 4-module frame for surface kit

Dimensions 292×284×62 mm, aluminium grey colour.

**4896**

Rain shield for 6-module frame for surface kit

Dimensions 292×404×62 mm, gunmetal grey colour.

**4896AP**

Rain shield for 6-module frame for surface kit

Dimensions 292×404×62 mm, aluminium grey colour.

**4899**

Rain shield for 9-module frame for surface kit

Dimensions 427×404×62 mm, gunmetal grey colour.

**4899AP**

Rain shield for 9-module frame for surface kit

Dimensions 427×404×62 mm, aluminium grey colour.

**482**

Tamper Proof Switch

Tamper switch optional accessory for module support frames.

**CFL45**

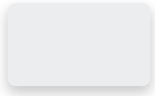
Ribbon cable

For connection of 4000 series push-button modules across two columns of modules.

**955/T**

Proximity key

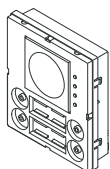
RFID, blue plastic material.

**955/C**

Proximity card

ISO3 standard badge, reading distance up to 50 mm. White PVC material.

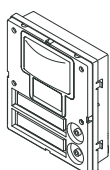
OEM Modules and accessories



4304UK-0/NFP

Audio module - 0 buttons for VX2300 system

4000 series audio module without casing for 0-button VX2300 system, compatibility with third-party analogue push-button panels.



4384UK-0/NFP

Audio/video module - 0 buttons for VX2300 system

4000 series audio/video module without casing for 0-button VX2300 system, compatibility with third-party analogue push-button panels, WD video camera.



438

Push-buttons Interface

4000 Series push-button interface for audio/video modules and push-buttons.

System accessories



HDR-15-12

Power Supply

Power Supply common to all systems. 12Vdc/1.25A power supply. Installation on a DIN rail (1 module).



2321

Audio/Video power supply

Audio/video power supply for VX2300 system, maximum 20 users in block. Power supply 230Vac - 50Hz, output voltage 32Vdc/0.8A. Installation on the wall or on a DIN rail (9 module). Dimensions: 157.5×105×65 mm.



2321/P

High Performance audio/video power supply

High-performance audio/video power supply for VX2300 system, maximum 100 users in block. Power supply 230Vac - 50Hz, output voltage 35Vdc/1.5A. Installation on the wall or on a DIN rail (9 module). Dimensions: 160,3×96,8×62,5 mm.



2301

Audio/Video input exchanger

Audio/video input exchanger for VX2300 system, 4 inputs from O.S. (Outdoor Station), cascade configuration up to 2 devices (8 inputs O.S.), BUS power supply. Installation on the wall or on a DIN rail (9 module). Dimensions: 157.5×105×65 mm.



2306

Audio/video block exchanger

Audio/video block exchanger for VX2300 system, configuration up to 32 blocks, power supply from Art.2321. Installation on the wall or on a DIN rail (9 module). Dimensions: 157.5×105×65 mm.



2305

Relay module

BUS relay module for VX2300 system, 2 clean contacts, up to 4 devices at the same time, BUS power supply. Installation on the wall or on a DIN rail (5 module). Dimensions: 87.5×105×65 mm.



2313

Remote relay module for the VX2300 system

Remote relay device for the VX2300 2 wire BUS system. The relay module has a non-polarity 2 wire BUS input for easy installation and allows it to be connected anywhere along the digital 2 wire BUS line. It includes 2 clean contact relays, C-NO-NC (max 24Vac/dc - 5A) and 1 push to exit button input for relay 1. Programmable relay times for 2, 8, 16 or 32 seconds. Can be used for higher security applications including installations in compliance with Secured by Design, the 2313 module enables the relay and push to exit button input to be installed in a secure location away from the entrance. The second relay can be activated by pressing the spare service button present in every VX2300 audiophone or videophone/monitor. Relay configuration and setup is carried out through a series of internal dip-switches. A total of up to 15 device IDs can be setup (ID.1 ... ID.15) to match the device ID of the VX2300 audio or audio/video entrance panel (4304 audio, 4384 audio/video and 4312 digital series panels). The housing is a 5 module A type DIN box and is manufactured from impact resistant ABS plastics, which can be mounted on a standard DIN rail or directly to the wall. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions 85×87.5×66mm.



323/12

Power supply 12V

Power Supply common to all systems. 12Vdc/400mA power supply. Installation on the wall or on a DIN rail (3 module). Dimensions: 52.5×105×65 mm.


323/18

Power supply 18V

Power Supply common to all systems. 18Vdc/300mA power supply. Installation on the wall or on a DIN rail (3 module). Dimensions: 52.5×105×65 mm.


2322

Power converter

Auxiliary power converter for VX2300 system. Bus power supply, 12Vdc/100mA output. Dimensions: 62×66×22 mm.


318S

Passive 2-output video distributor

Passive video distributor for VX2300 system, 2 outputs, BUS power supply. Dimensions: 25×46×15 mm.


319

Active 2-output video distributor

Active, high-performance video distributor for VX2300 system, 2 outputs, BUS power supply. Dimensions: 62×66×22 mm.


317

Active 4-output video distributor

Active, high-performance video distributor for VX2300 system, 4 outputs, BUS power supply. Dimensions: 70×110×30 mm.


380N

Telephone interface

Analogue telephone interface for VX2300 system, 1 clean contact relay (max 24Vac/dc/2A). Requires combination with Cod. 2380. Installation on the wall or on a DIN rail (9 module). Dimensions: 157.5×105×65 mm.


2380

Phone device interface

Allows for connecting the VX2300 digital system with the telephone interface Cod. 380N. Installation on the wall or on a DIN bar (9 module). Dimensions: 157.5×105×65 mm.



CST2310

Concierge switchboard for VX2300 system

Concierge switchboard for VX2300 system with colour TFT LCD monitor and handset, full-duplex speakerphone mode via response button, RTC (real time clock), backlit keyboard with capacitive touch, 2 buttons for direct functions: day and night function on/off. Possibility of installing a second station at the same time (intercom/video intercom) for door opening and response functions when the switchboard is in OFF mode. Missed calls log and management of alarms originating from the apartments. Intercom function with two utilities, selective recall of O.S. (Outdoor Station) audio/video. Activation of the BUS relay Cod.. 2305. 1 x Multi-Colour Status LED. Configuring of the device through screen GUI menu. Polished effect white polycarbonate material. Power supply from BUS or optional 12Vdc with Cod. 323/12. Table base supplied. Possibility of using the default programming for the apartments or to customize it through SW and USB cable supplied.



CM2

High-performance 2-wire cable

High performance cable for VX2300 system, 2×1mm twisted. Coil of 100 m



481

USB-serial Converter

Converts RS232 & RS485 to USB.



2208

Programming Kit

Programming kit for 4000 series audio and video entrance panels for VX2300 system.



2209

Programming Kit

Programming kit for audio and video modules series 4000 for VX2300 system.

VX2300 Kit system base



KIT2310

Intercom kit or base system utilities for VX2300 system

0-button expandable system base intercom kit for VX2300 system consisting of: 1 pc. Cod. 4304X-0/M, 1 pc. Cod. 2321.



KIT2311

Single-family base intercom kit for VX2300 system

1-button expandable system base intercom kit for VX2300 system consisting of: 1 pc. Cod. 4304X-1/M, 1 pc. Cod. 2321.



KIT2312

Two-family base intercom kit for VX2300 system

2-button expandable base intercom kit for VX2300 system consisting of: 1 pc. Cod. 4304X-2/M, 1 pc. Cod. 2321.

**KIT2300****Video-intercom kit or basic system utilities for VX2300 system**

0-button expandable base video-intercom kit for VX2300 system consisting of: 1 pc. Cod. 4384X-0/M/WD, 1 pc. Cod. 2321, 2 pc. 955/T.

**KIT2301****Single-family base video-intercom kit for VX2300 system**

1-button expandable base video-intercom kit for VX2300 system consisting of: 1 pc. Cod. 4384X-1/M/WD, 1 pc. Cod. 2321, 2 pc. 955/T.

**KIT2302****Two-family base video-intercom kit for VX2300 system**

2-button expandable base video-intercom kit for VX2300 system consisting of: 1 pc. Cod. 4384X-2/M/WD, 1 pc. Cod. 2321, 2 pc. 955/T.

Outdoor stations / References



(VR130/ESA-10 shown)

VR130/ESA-n*

Vandal resistant VR130 series audio VX2300 panel

Vandal resistant VR130 series audio 2 wire BUS intercom panel (4304) for the VX2300 digital system. It incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4304 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ESA-15 for a 15 button panel).



(VR130/ESA-7/NP shown)

VR130/ESA-n/NP*

Vandal resistant VR130 series audio VX2300 panel with name plate window

Vandal resistant VR130 series audio 2 wire BUS intercom panel (4304), with name plate windows, for the VX2300 digital system. It incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4304 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ESA-3/NP for a 3 button panel).



(VR130/ESA-8/CL shown)

VR130/ESA-n/CL*

Vandal resistant VR130 series audio VX2300 panel with 4901 keypad

Vandal resistant VR130 series audio 2 wire BUS intercom panel (4304) for the VX2300 digital system. It incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4304 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. It also incorporates a 4901 keypad with 12 blue back-lit buttons (1 - 9, ↵ [ENTER], 0 and ✕ [CLEAR]) also 2 LEDs for status/operation alerts, 3 clean contact relays, C-NO-NC (max 24V AC/DC - 2A), 2 push to exit button inputs (for relays 1 & 2 only) and programmable relay times (01 ... 99 seconds or 00 for latching). The 4901 can be programmed with 3 codes (1 code per relay, between 4 - 8 digits) directly via the illuminated keypad. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ESA-4/CL for a 4 button panel).



(VR130/ESA-9/PR shown)

VR130/ESA-n/PR*

Vandal resistant VR130 series audio VX2300 panel with proximity cutout

Vandal resistant VR130 series audio 2 wire BUS intercom panel (4304) with a proximity reader cutout (for 3rd party readers) for the VX2300 digital system. It incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4304 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. The proximity reader cutout measures 40×40mm square with four M3×8mm reader mounting studs (with 49×49mm square spacing), on the reverse side of the panel, to fit an industry standard size 3rd party panel mount reader. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ESA-4/PR for a 4 button panel).



(VR130/ES-18 shown)

VR130/ES-n*

Vandal resistant VR130 series video VX2300 panel

Vandal resistant VR130 series audio/video 2 wire BUS intercom panel (4384) for the VX2300 digital system. With a built-in 1/4" CMOS colour video camera with 1 Lux sensitivity and 976×582 (PAL) resolution with a wide angle view 80°V (vertical) x 170°H (horizontal). It also includes 4 white LEDs for night illumination and incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4384 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ES-3 for a 3 button panel).



(VR130/ES-10/NP shown)

VR130/ES-n/NP*

Vandal resistant VR130 series video VX2300 panel with name plate window

Vandal resistant VR130 series audio/video 2 wire BUS intercom panel (4384), with button name plate windows, for the VX2300 digital system. With a built-in 1/4" CMOS colour video camera with 1 Lux sensitivity and 976×582 (PAL) resolution with a wide angle view 80°V (vertical) x 170°H (horizontal). It also includes 4 white LEDs for night illumination and incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4384 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ES-9/NP for a 9 button panel).



(VR130/ES-14/CL shown)

VR130/ES-n/CL*

Vandal resistant VR130 series video VX2300 panel with 4901 keypad

Vandal resistant VR130 series audio/video 2 wire BUS intercom panel (4384) for the VX2300 digital system. With a built-in 1/4" CMOS colour video camera with 1 Lux sensitivity and 976×582 (PAL) resolution with a wide angle view 80°V (vertical) x 170°H (horizontal). It also includes 4 white LEDs for night illumination and incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4384 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. It also incorporates a 4901 keypad with 12 blue back-lit buttons (1 - 9, ← [ENTER], 0 and × [CLEAR]) also 2 LEDs for status/operation alerts, 3 clean contact relays, C-NO-NC (max 24V AC/DC - 2A), 2 push to exit button inputs (for relays 1 & 2 only) and programmable relay times (01 ... 99 seconds or 00 for latching). The 4901 can be programmed with 3 codes (1 code per relay, between 4 - 8 digits) directly via the illuminated keypad. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ES-16/CL for a 16 button panel).



(VR130/ES-4/PR shown)

VR130/ES-n/PR*

Vandal resistant VR130 series video IP panel with proximity cutout

Vandal resistant VR130 series audio/video 2 wire BUS intercom panel (4384) for the VX2300 digital system. With a built-in 1/4" CMOS colour video camera with 1 Lux sensitivity and 976×582 (PAL) resolution with a wide angle view 80°V (vertical) x 170°H (horizontal). It also includes 4 white LEDs for night illumination and incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK10 and IP55 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. The number of call buttons range from 1 up to a total of 40 buttons. 4 DDA compliant call progress LEDs indicating system status: busy, call in progress, open communication and door open. Configurable door opening time and conversation time. 1 standard C-NO-NC clean contact relay (max 24V AC/DC - 2A) with capacitor discharge function and 1 push to exit button input. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels with balance control. 1 RS-485 bus input. Programming and configuration is carried out through a series of dip-switches or via the RS-485 bus terminals (on the rear of the 4384 module) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. The proximity reader cutout measures 40×40mm square with four M3×8mm reader mounting studs (with 49×49mm square spacing), on the reverse side of the panel, to fit an industry standard size 3rd party panel mount reader. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 130mm wide, panel length varies depending on the number of call buttons required.

*(n = number of call buttons from 1 - 40, e.g. VR130/ES-7/PR for a 7 button panel).



(VRBB130×280 shown)

VRBB130xN*

Vandal resistant VR130 series flush back boxes with bezel surround

Vandal resistant VR130 series flush boxes with an 18mm bezel surround and manufactured from 316 marine grade brushed stainless steel with galvanised stainless steel flush box. Each bezel box has 3×20mm knockouts evenly spaced along the centre (base) of the flush box. Each bezel box is fitted with either four or six M5 cage nuts (depending box size) and also fitted with an M4×10mm earth stud to allow the VR130 panels earth strap to be connected. Four or six 4mm fixing holes (depending box size) are located on the base of the flush box to allow for easy flush mounting.

The flush bezel boxes listed are compatible with the following VR130 series panels:

Bezel box part no.	VR130 panel size (mm)	Flush box dimensions (mm)	Bezel dimensions (mm)
VRBB130×220	130 (W) x 220 (L)	133 (W) x 223 (L) x 60 (D)	167 (W) x 257 (L) x 18 (bez.)
VRBB130×280	130 (W) x 280 (L)	133 (W) x 283 (L) x 60 (D)	167 (W) x 317 (L) x 18 (bez.)
VRBB130×400	130 (W) x 400 (L)	133 (W) x 403 (L) x 60 (D)	167 (W) x 347 (L) x 18 (bez.)
VRBB130×500	130 (W) x 500 (L)	133 (W) x 503 (L) x 60 (D)	167 (W) x 537 (L) x 18 (bez.)

*(N = VR130 panel length, e.g. VRBB130×220 to fit a 130×220mm size VR130 series panel).



(VRSB130×400 shown)

VRSB130xN*

Vandal resistant VR130 series surface back boxes with rainshield surround

Vandal resistant VR130 series surface boxes with rainshield surround manufactured from 316 marine grade brushed stainless steel with galvanised stainless steel inner box. Each surface box has 3×20mm knockouts evenly spaced along the centre (base) of the inner box and another 20mm knockout centred on the bottom side. Each inner box is fitted with either four or six M5 cage nuts (depending box size) and also fitted with an M4×10mm earth stud to allow the VR130 panels earth strap to be connected. Four or six 4mm fixing holes (depending box size) are located on the base of the inner box to allow for easy surface mounting.

The surface boxes listed are compatible with the following VR130 series panels:

Surface box part no.	VR130 panel size (mm)	Inner box dimensions (mm)	Rainshield dimensions (mm)
VRSB130×220	130 (W) x 220 (L)	131 (W) x 218 (L) x 50 (D)	134 (W) x 224 (L) x 80 (D)
VRSB130×280	130 (W) x 280 (L)	131 (W) x 278 (L) x 50 (D)	134 (W) x 284 (L) x 80 (D)
VRSB130×400	130 (W) x 400 (L)	131 (W) x 398 (L) x 50 (D)	134 (W) x 404 (L) x 80 (D)
VRSB130×500	130 (W) x 500 (L)	131 (W) x 498 (L) x 50 (D)	134 (W) x 504 (L) x 80 (D)

*(N = VR130 panel length, e.g. VRSB130×400 to fit a 130×400mm size VR130 series panel).



(VRFB130×220 shown)

VRFB130xN*

Vandal resistant VR130 series flush back boxes

Vandal resistant VR130 series flush boxes manufactured from galvanised stainless steel. Each back box has 3×20mm knockouts evenly spaced along the centre (base) of the flush box and another 20mm knockout centred on the bottom side. Each box is fitted with either four or six M5 cage nuts (depending box size) and also fitted with an M4×10mm earth stud to allow the VR130 panels earth strap to be connected. Four or six 4mm fixing holes (depending box size) are located on the base of the flush box to allow for easy flush mounting.

The flush boxes listed are compatible with the following VR130 series panels:

Flush box part no.	VR130 panel size (mm)	Flush box dimensions (mm)
VRFB130×220	130 (W) x 220 (L)	110 (W) x 200 (L) x 50 (D)
VRFB130×280	130 (W) x 280 (L)	110 (W) x 260 (L) x 50 (D)
VRFB130×400	130 (W) x 400 (L)	110 (W) x 380 (L) x 50 (D)
VRFB130×500	130 (W) x 500 (L)	110 (W) x 480 (L) x 50 (D)

*(N = VR130 panel length, e.g. VRFB130×280 to fit a 130×280mm size VR130 series panel).



VR4312N

Vandal resistant digital VX2300 audio panel and flush bezel box

Vandal resistant digital 2 wire BUS audio intercom panel with alphanumeric keypad in a flush bezel box for the VX2300 system. It incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK09 and IP65 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. It includes a DDA compliant blue backlight 128×64px graphical LCD display with call progress indication, voice annunciation (which can be enabled or disabled) and acoustic signals. It incorporates an 18 button blue back-lit alphanumeric keypad (1 - 9, ↵ [ENTER], 0, × [CLEAR] and A - F). The digital panel can be programmed with up to 3200 user contacts that are selectable from the alphanumeric keypad and viewable on the display. It also includes a built-in proximity reader (standard 125kHz H4102 and optional Mifare/NFC). Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10,000 events. The panel also includes 2 clean contact relays, C-NO-NC (max 24Vac/dc - 2A) with capacitor discharge function and 2 programmable series inputs for a PTE button and enabling of a TRADE function. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels. 1 RS-485 bus input. Programming and configuration is carried out via the alphanumeric keypad or via the RS-485 bus terminals (on the rear of the panel) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 140×280×43mm, flush bezel box dimensions 179×319×80mm, 18mm bezel surround.



VR4312R

Vandal resistant digital VX2300 audio panel with search facility and flush bezel box

Vandal resistant digital 2 wire BUS audio intercom panel with search facility in a flush bezel box for the VX2300 system. It incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK09 and IP65 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. It includes a DDA compliant blue backlight 128×64px graphical LCD display with call progress indication, voice annunciation (which can be enabled or disabled) and acoustic signals. It also incorporates a 15 button blue back-lit numeric keypad (1 - 9, ↵ [ENTER], 0, × [CLEAR], ←, → [SEARCH] and call 📞). The digital panel can be programmed with up to 3200 user contacts that are selectable from the alphanumeric keypad and viewable on the display. It also includes a built-in proximity reader (standard 125kHz H4102 and optional Mifare/NFC). Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10,000 events. The panel also includes 2 clean contact relays, C-NO-NC (max 24Vac/dc - 2A) with capacitor discharge function and 2 programmable series inputs for a PTE button and enabling of a TRADE function. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels. 1 RS-485 bus input. Programming and configuration is carried out via the numeric keypad or via the RS-485 bus terminals (on the rear of the panel) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 140×280×43mm, flush bezel box dimensions 179×319×80mm, 18mm bezel surround.



VR4312NV

Vandal resistant digital VX2300 audio/video panel and flush bezel box

Vandal resistant digital 2 wire BUS video intercom panel with alphanumeric keypad in a flush bezel box for the VX2300 system. With a built-in 1/4" CMOS colour video camera with 1 Lux sensitivity and 976×582 (PAL) resolution with a wide angle view 80°V (vertical) x 170°H (horizontal). It also includes 4 white LEDs for night illumination and incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK09 and IP65 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. It includes a DDA compliant blue backlight 128×64px graphical LCD display with call progress indication, voice annunciation (which can be enabled or disabled) and acoustic signals. It incorporates an 18 button blue back-lit alphanumeric keypad (1 - 9, [ENTER], 0, [CLEAR] and A - F). The digital panel can be programmed with up to 3200 user contacts that are selectable from the alphanumeric keypad and viewable on the display. It also includes a built-in proximity reader (standard 125kHz H4102 and optional Mifare/NFC). Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10,000 events. The panel also includes 2 clean contact relays, C-NO-NC (max 24Vac/dc - 2A) with capacitor discharge function and 2 programmable series inputs for a PTE button and enabling of a TRADE function. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels. 1 RS-485 bus input. Programming and configuration is carried out via the alphanumeric keypad or via the RS-485 bus terminals (on the rear of the panel) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 140×280×43mm, flush bezel box dimensions 179×319×80mm, 18mm bezel surround.



VR4312NRV

Vandal resistant digital VX2300 audio/video panel with search facility and flush bezel box

Vandal resistant digital 2 wire BUS video intercom panel with search facility in a flush bezel box for the VX2300 system. With a built-in 1/4" CMOS colour video camera with 1 Lux sensitivity and 976×582 (PAL) resolution with a wide angle view 80°V (vertical) x 170°H (horizontal). It also includes 4 white LEDs for night illumination and incorporates a built-in microphone and 8Ω/2W speaker with full-duplex audio function. The panel is manufactured from 316 marine grade brushed stainless steel, with IK09 and IP65 protection rating, that provides durability in installations subject to atmospheric agents and in the vicinity of marine environments. It includes a non-polarity 2 wire BUS for easy installation. It includes a DDA compliant blue backlight 128×64px graphical LCD display with call progress indication, voice annunciation (which can be enabled or disabled) and acoustic signals. It also incorporates a 15 button blue back-lit numeric keypad (1 - 9, [ENTER], 0, [CLEAR], ←, → [SEARCH] and call 📞). The digital panel can be programmed with up to 3200 user contacts that are selectable from the alphanumeric keypad and viewable on the display. It also includes a built-in proximity reader (standard 125kHz H4102 and optional Mifare/NFC). Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for up to 10,000 events. The panel also includes 2 clean contact relays, C-NO-NC (max 24Vac/dc - 2A) with capacitor discharge function and 2 programmable series inputs for a PTE button and enabling of a TRADE function. It can also be connected up to other audio and audio/video 2 wire intercom panels on the same 2 wire BUS line including: 4304/4304X (audio), 4384/4384X (audio/video) and the 4312 digital series panels (both audio and audio/video versions) up to a total of 15 devices (ID.1 ... ID.15). It has adjustable microphone and speaker volume levels. 1 RS-485 bus input. Programming and configuration is carried out via the numeric keypad or via the RS-485 bus terminals (on the rear of the panel) when connected via a 481 USB-serial converter connected to a PC using the 2X00PC software. Operating temperature -20°/+60°C. Power 32V - 35V DC ± 15%/200mA supplied by the 2 wire BUS line (via a 2321 or 2321/P BUS power supply). Dimensions: 140×280×43mm, flush bezel box dimensions 179×319×80mm, 18mm bezel surround.



VRDBB140×280

Vandal resistant flush back box with bezel surround

Vandal resistant flush box with an 18mm bezel surround and manufactured from 316 marine grade brushed stainless steel with galvanised stainless steel inner flush box. The bezel box has 2×20mm knockouts evenly spaced along the centre (base) of the inner flush box. It is fitted with four M5 cage nuts and also fitted with an M4×10mm earth stud to allow the panels earth strap to be connected. Four 4mm fixing holes are located on the base of the inner flush box to allow for easy flush mounting. Dimensions 179×319×80mm, 18mm bezel surround.

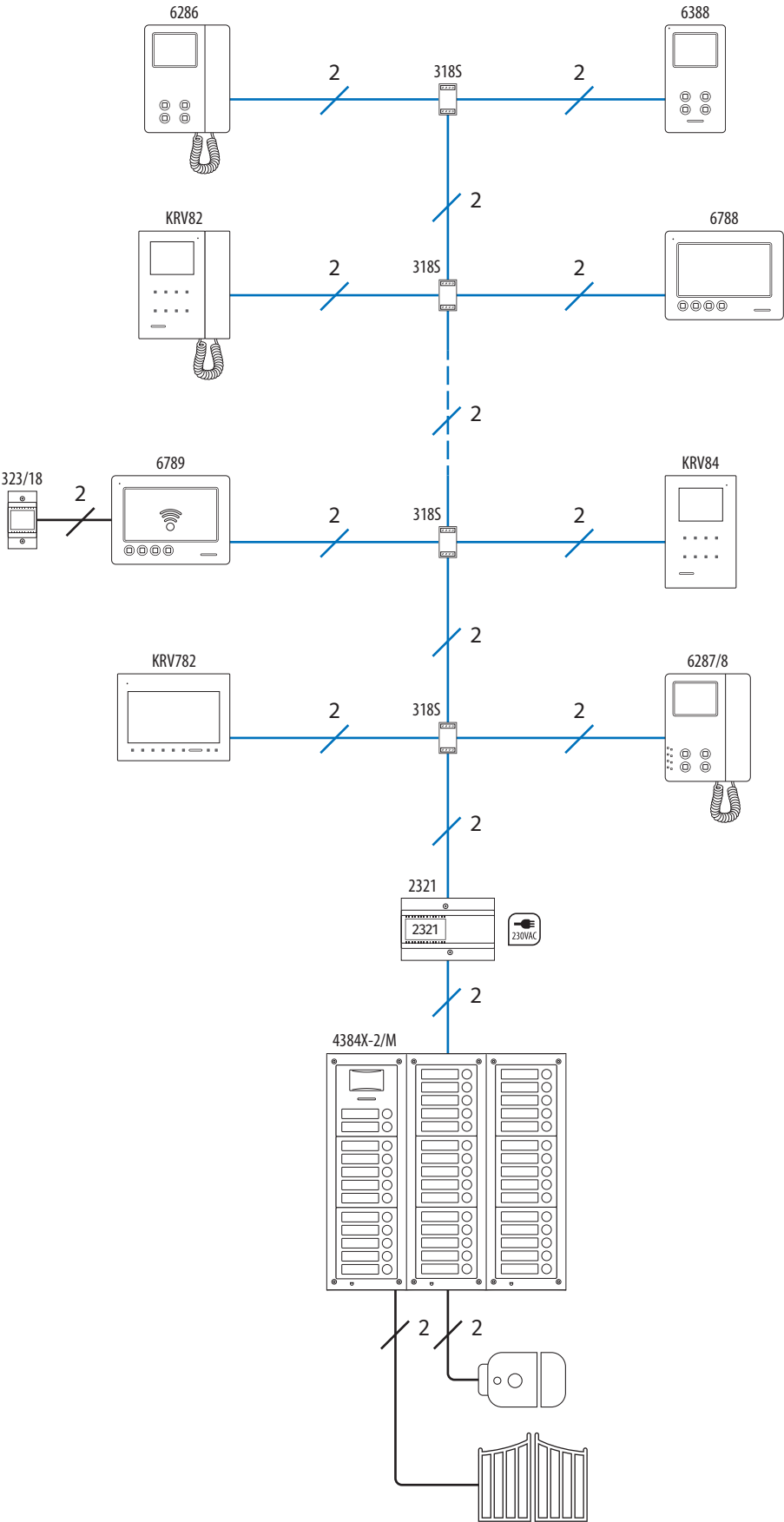


VRDSB140×280

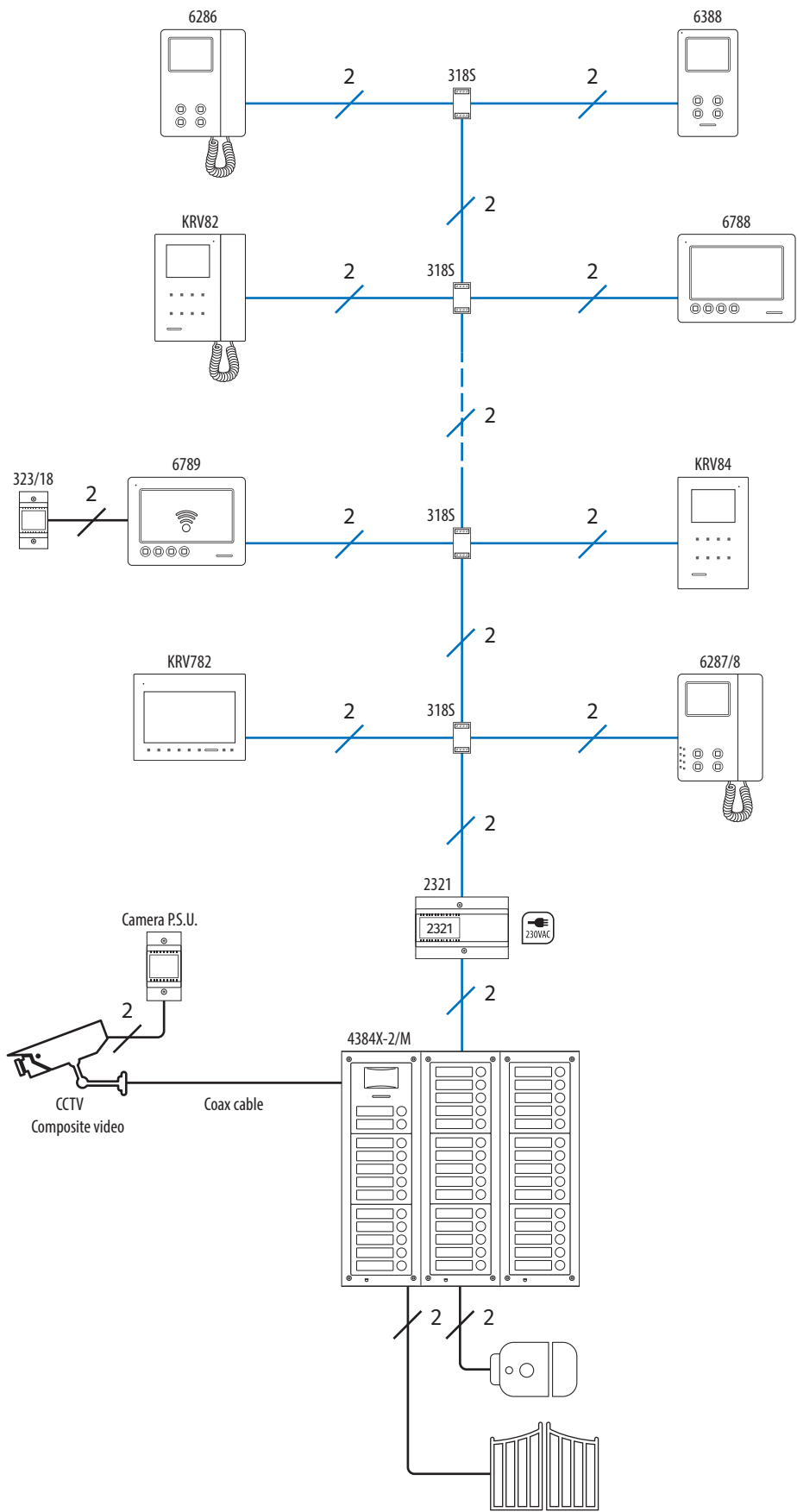
Vandal resistant surface back box with rainshield surround

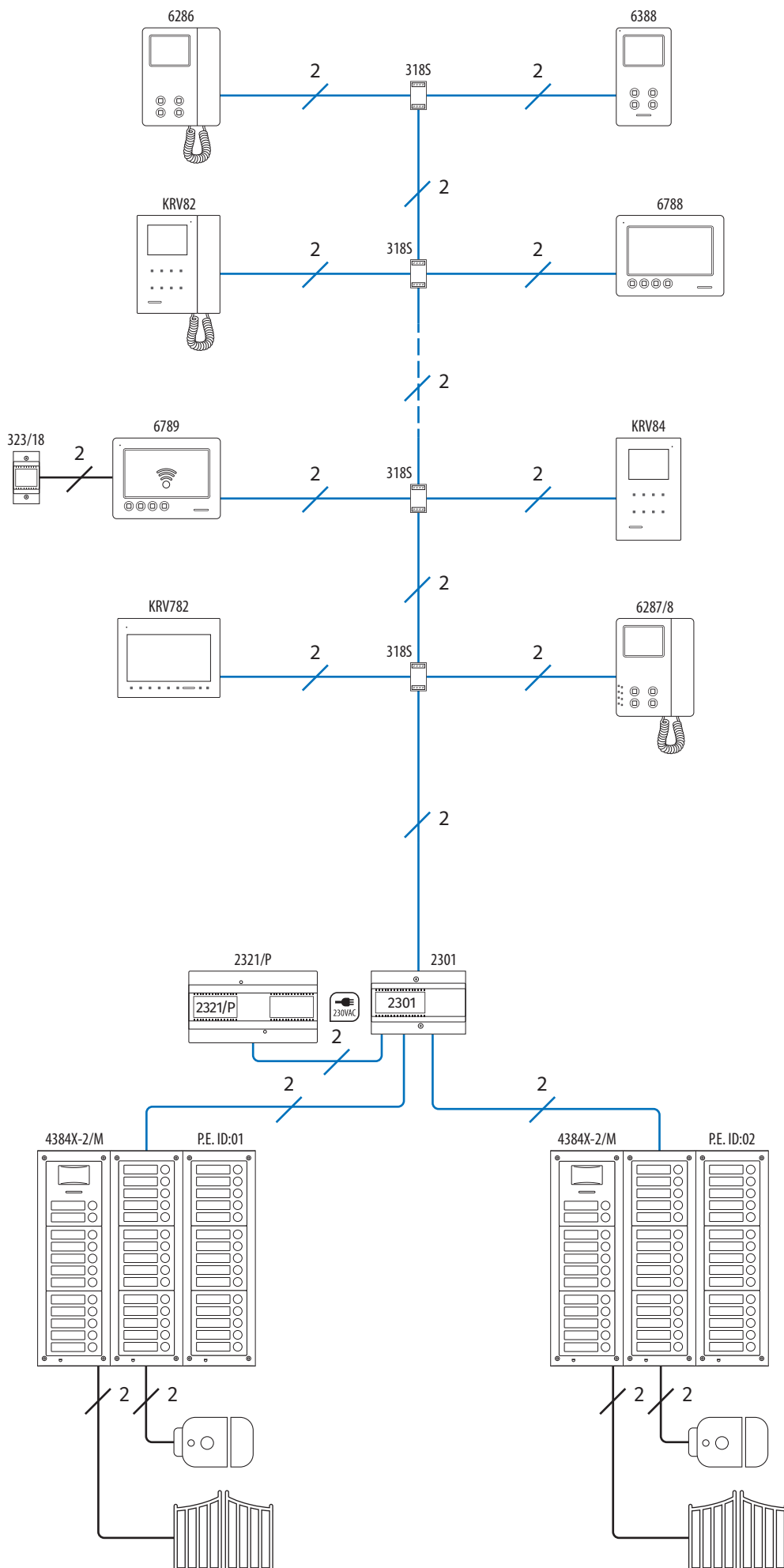
Vandal resistant surface box with a rainshield surround and manufactured from 316 marine grade brushed stainless steel with galvanised stainless steel inner box. The surface box has 2×20mm knockouts evenly spaced along the centre (base) of the inner box. It is fitted with four M5 cage nuts and also fitted with an M4×10mm earth stud to allow the panels earth strap to be connected. Four 4mm fixing holes are located on the base of the inner flush box to allow for easy flush mounting. Inner box dimensions 141×281×70mm, outer rainshield surround dimensions 143×284mm with 100mm projection at the top and 80mm at the bottom.

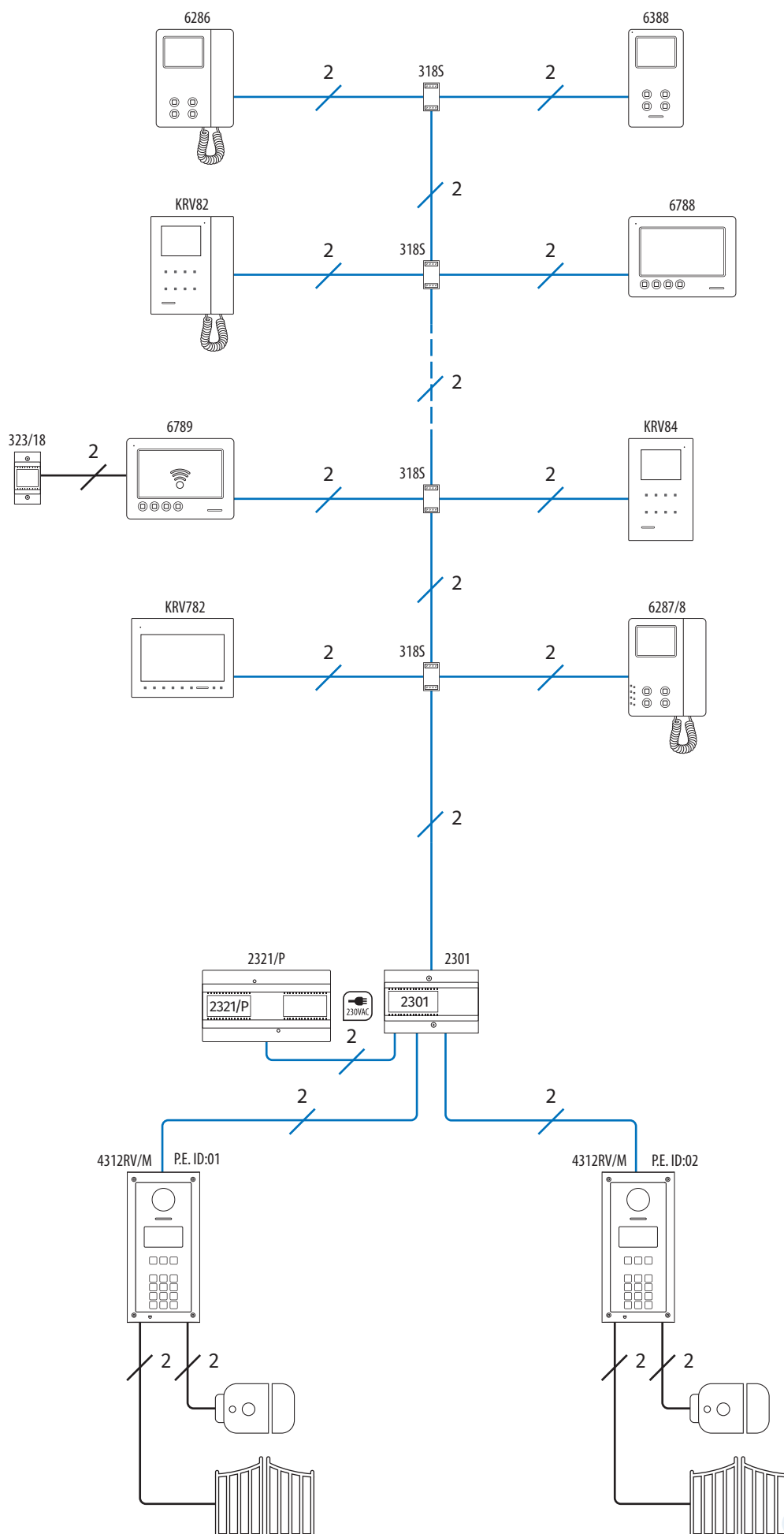
Single-line diagrams video example

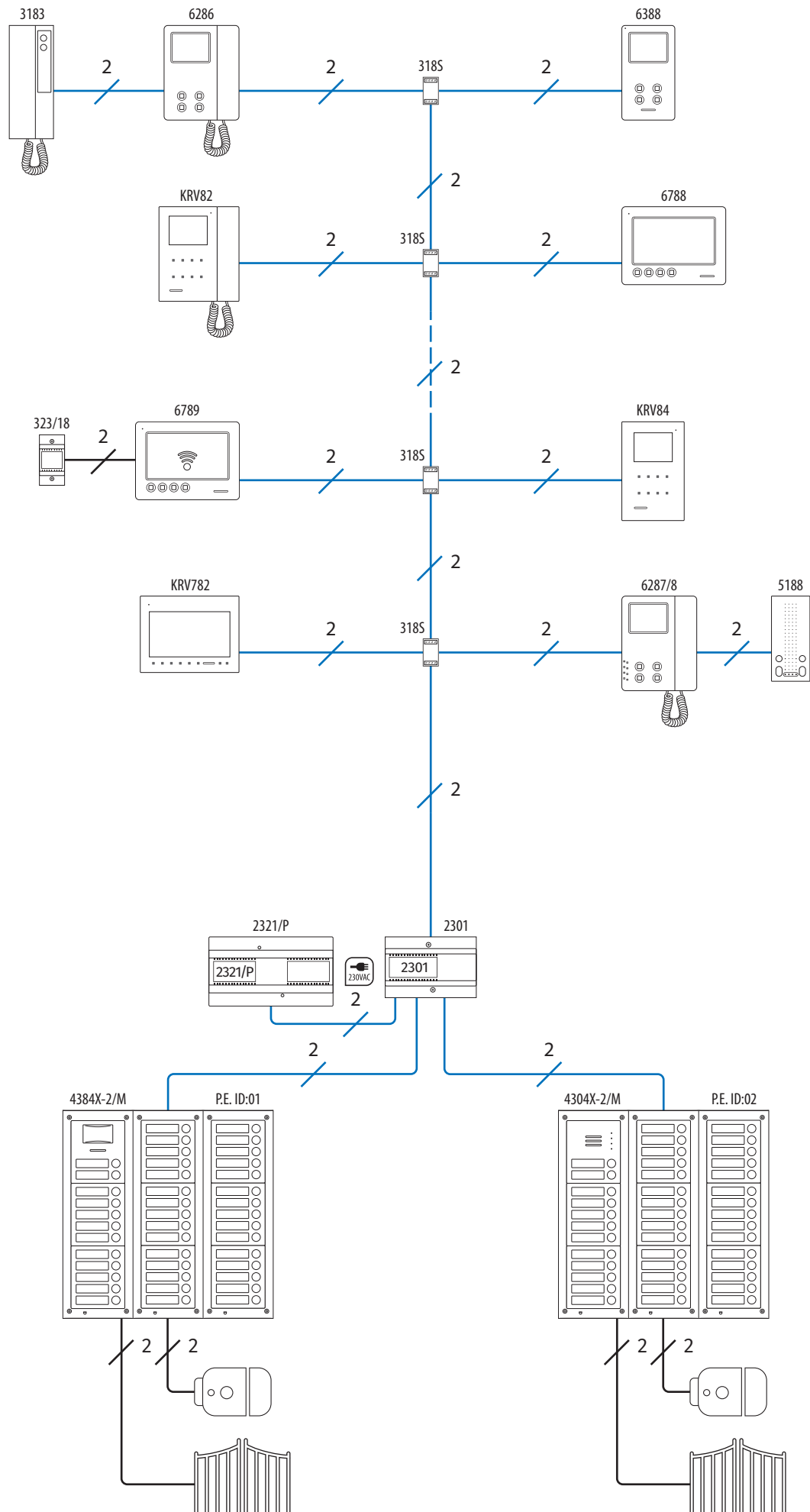


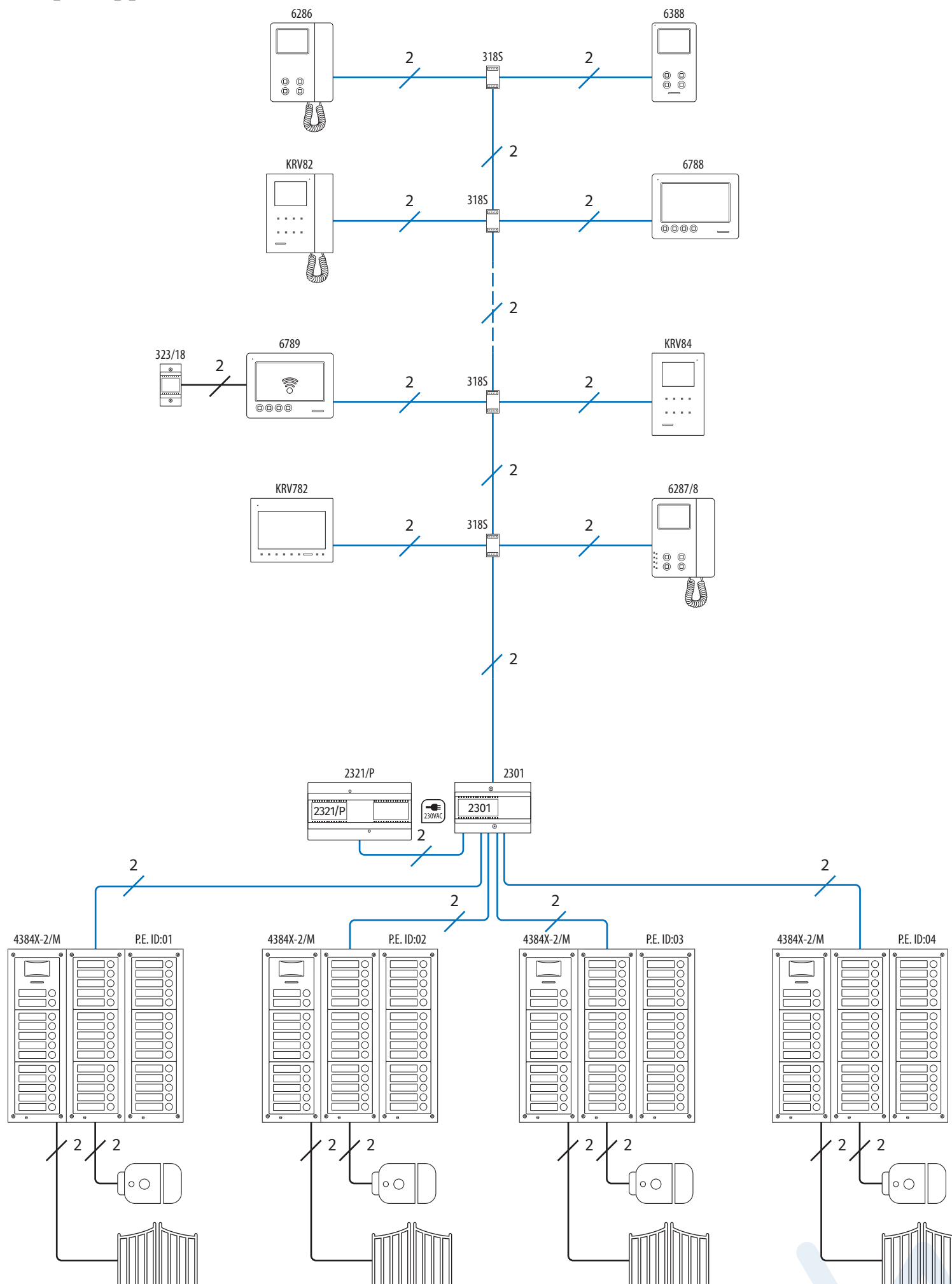


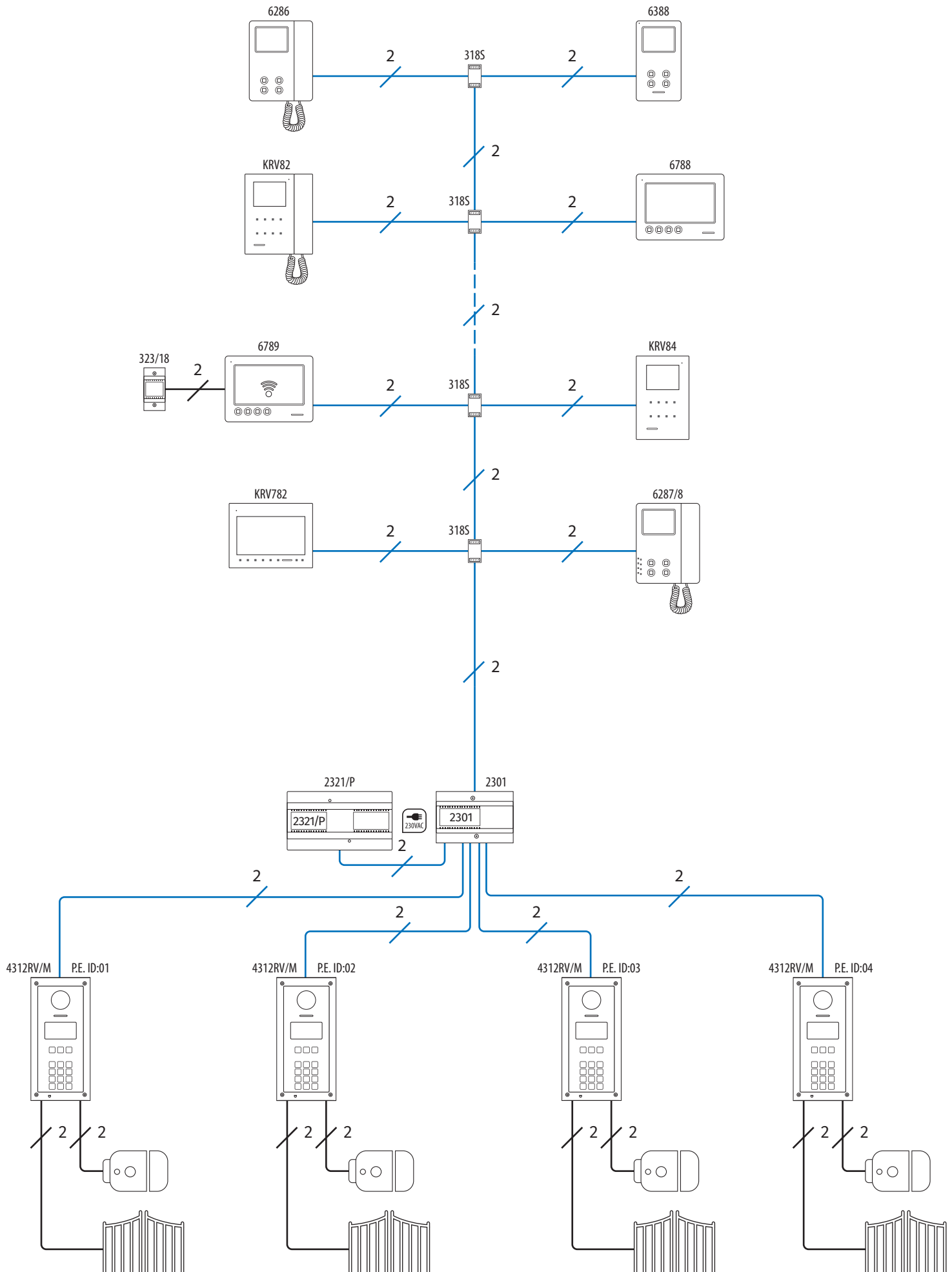


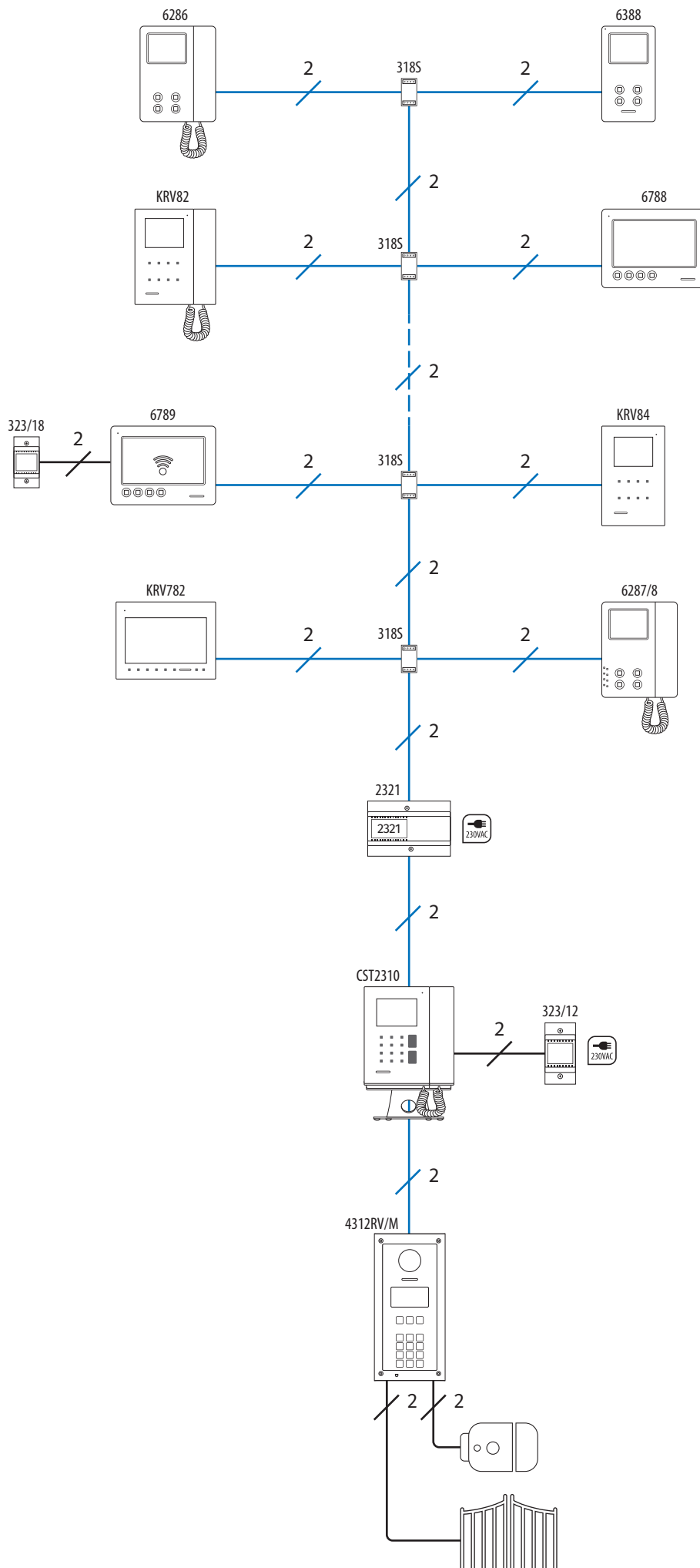


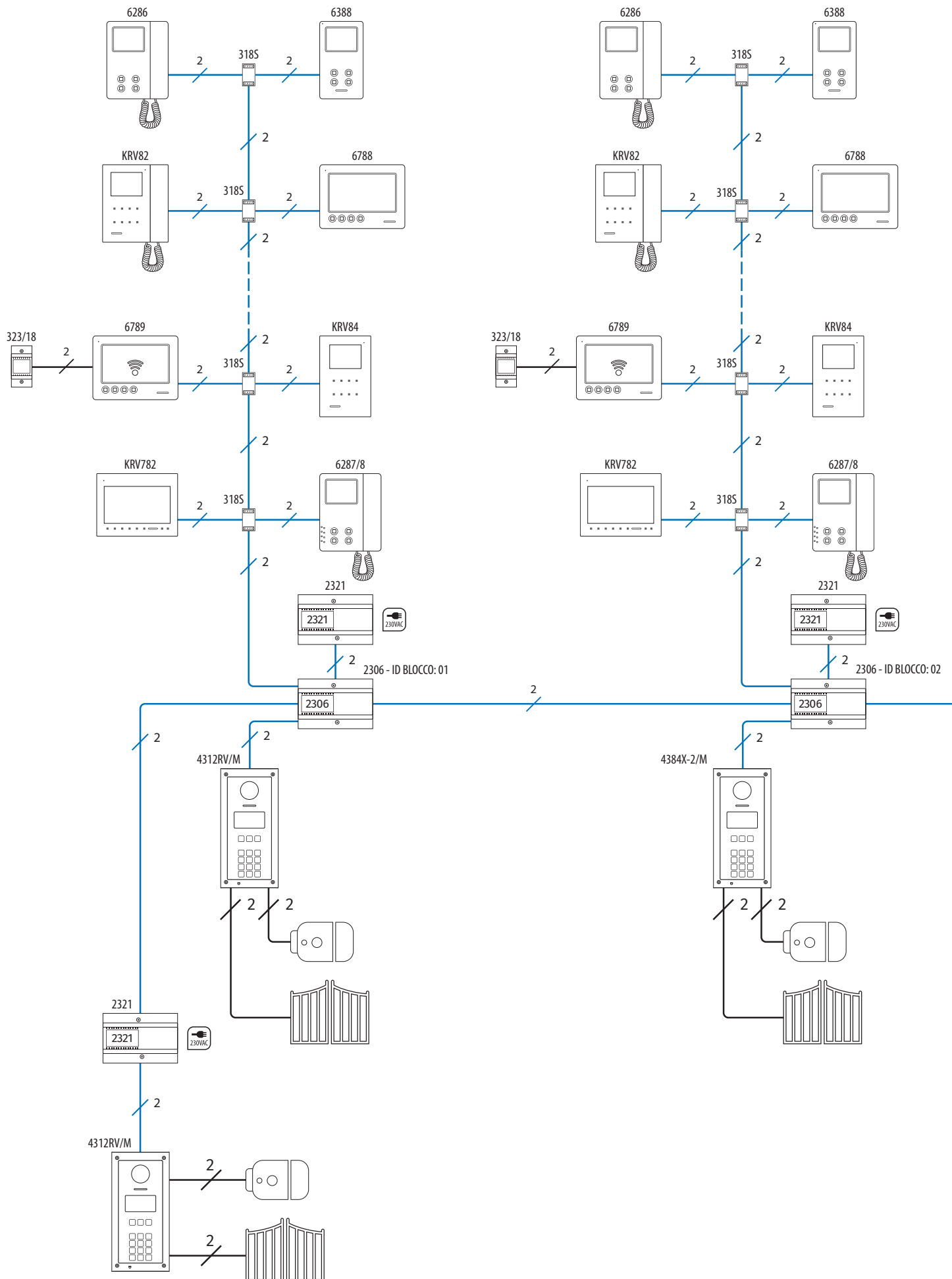


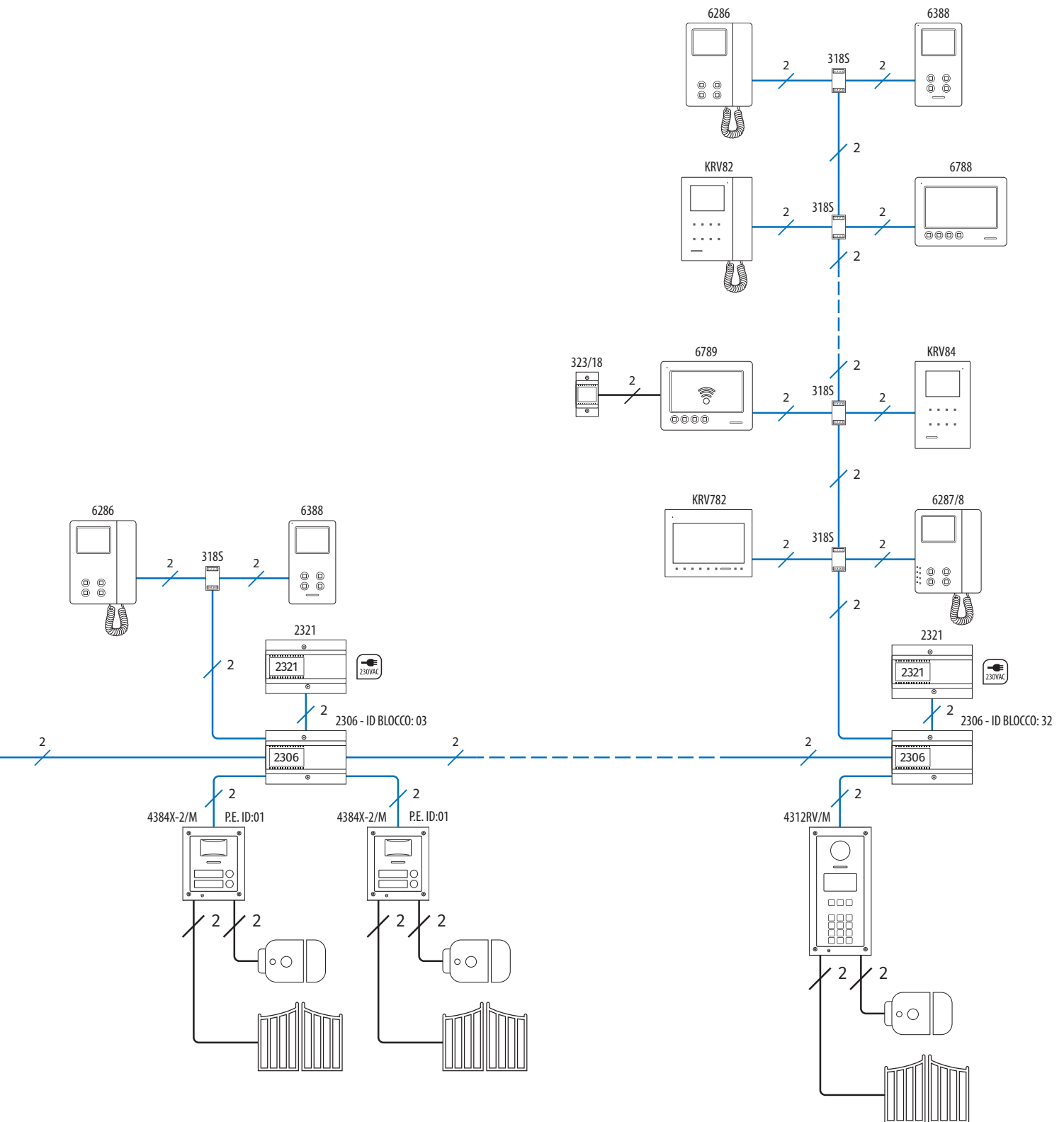




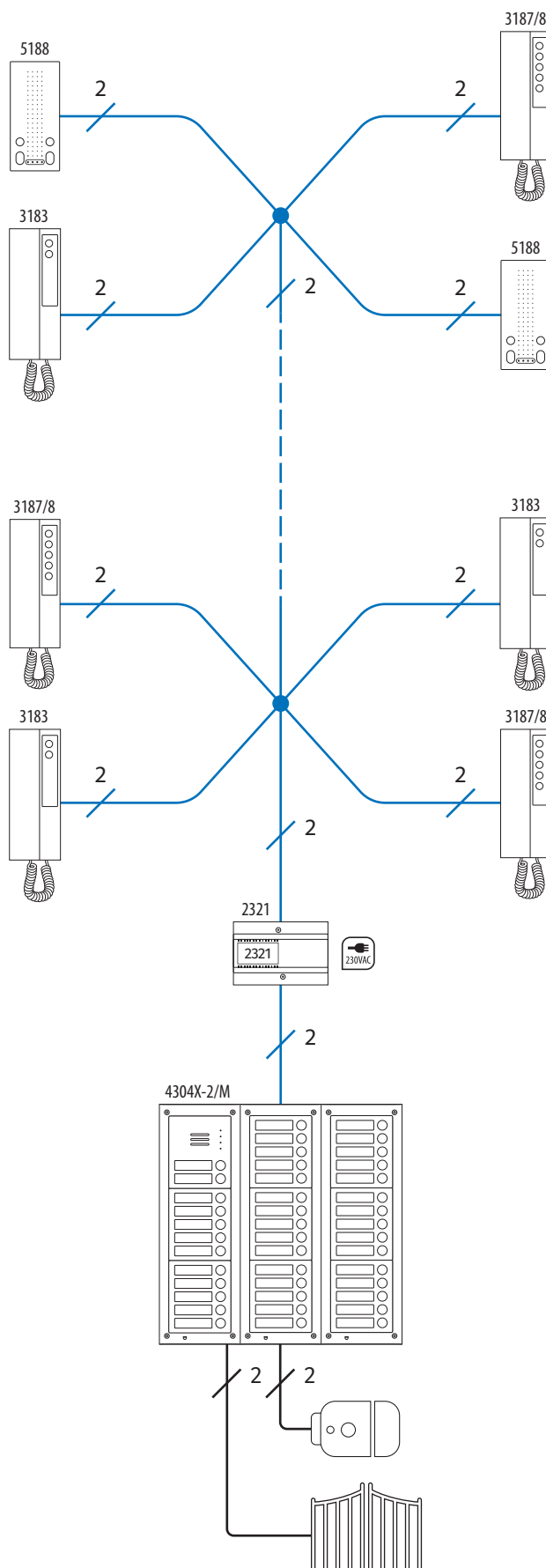


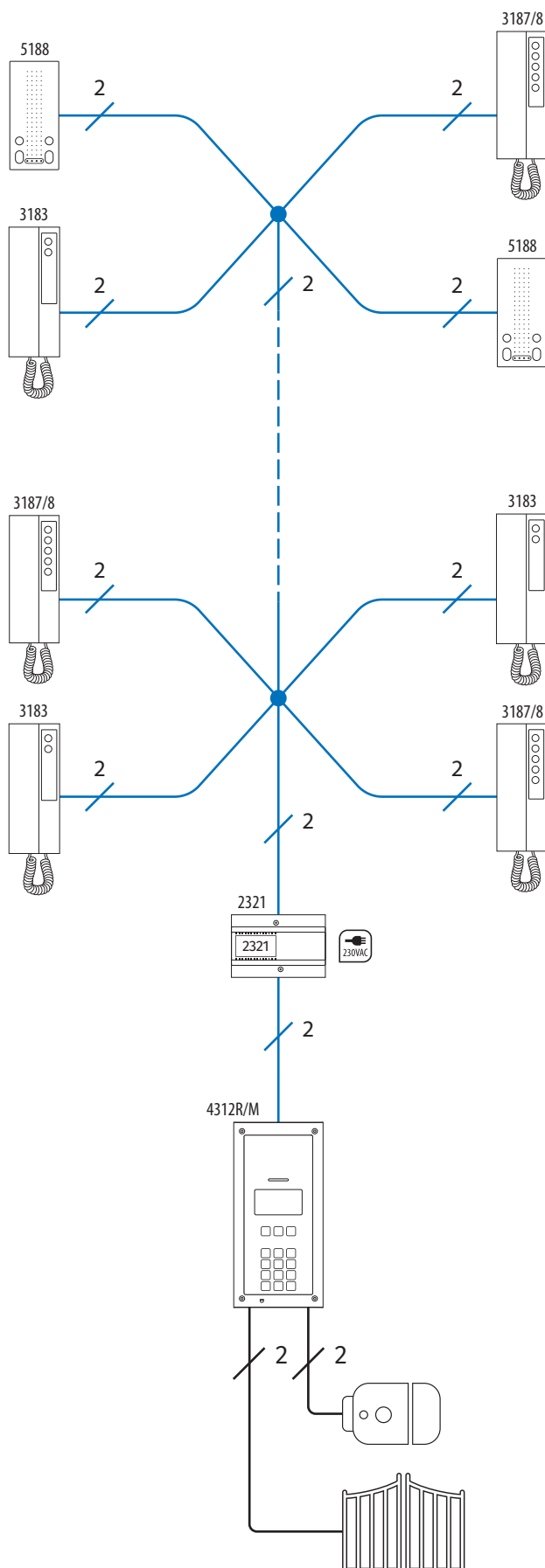


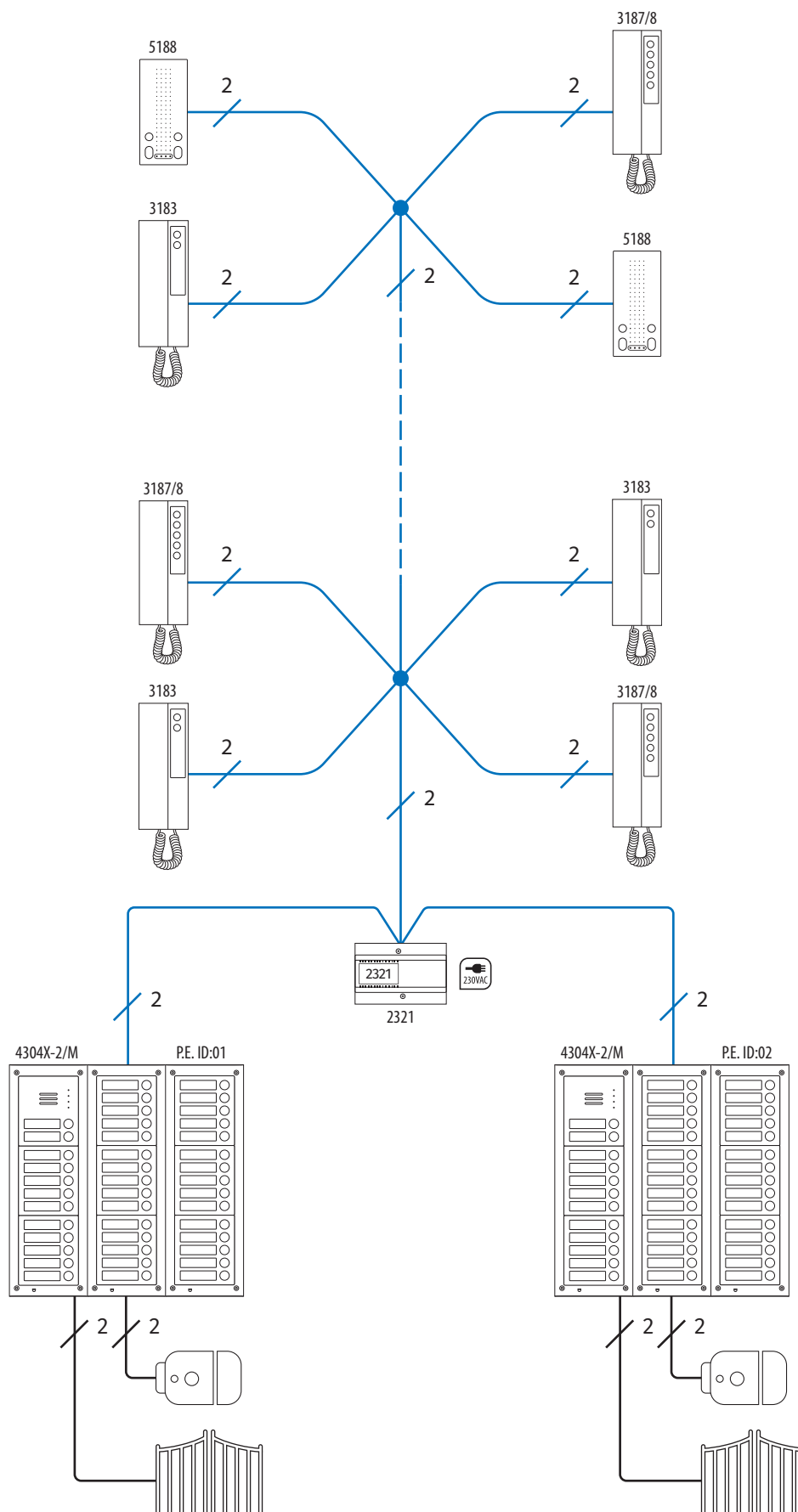


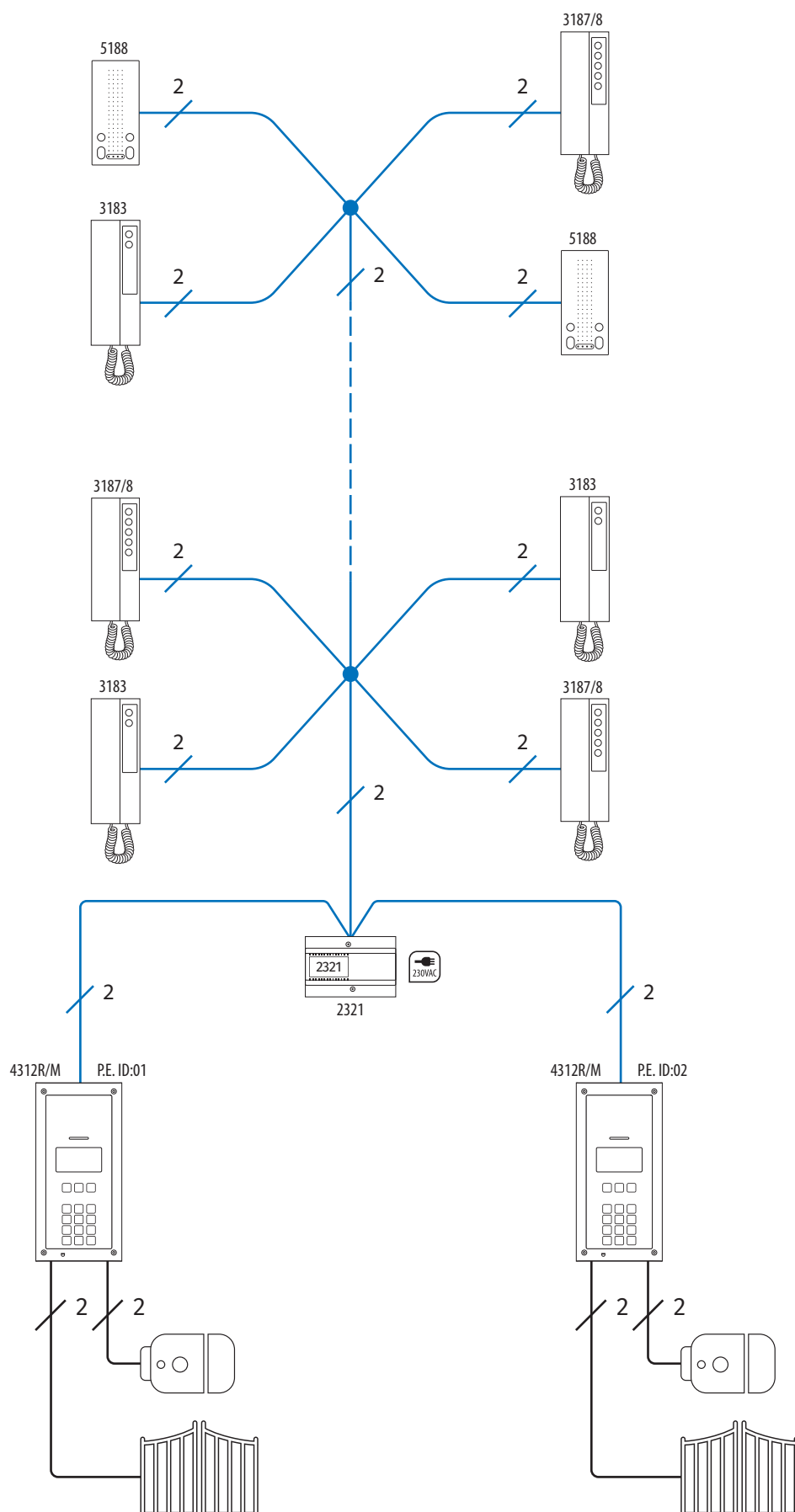


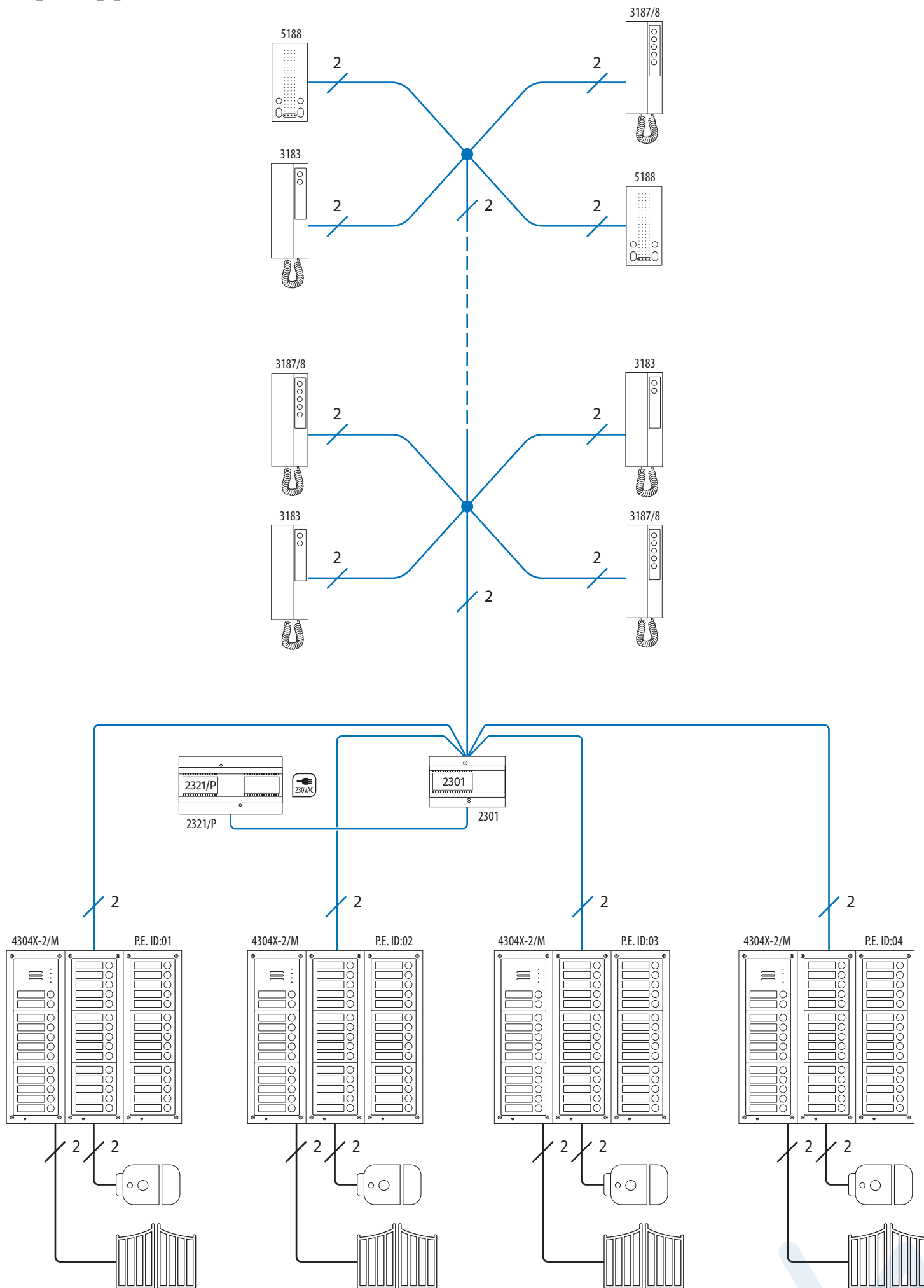
Single-line diagrams audio example

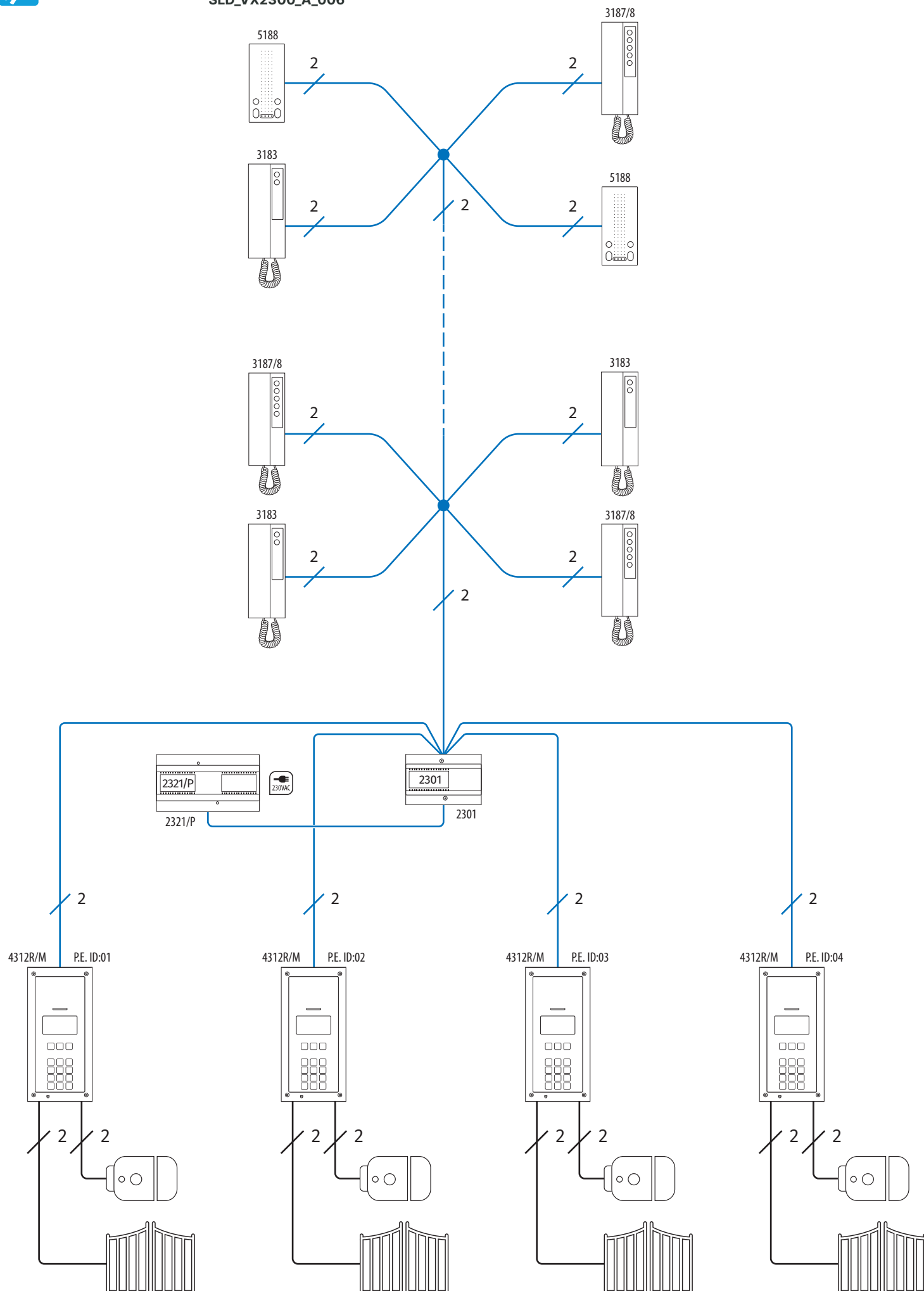


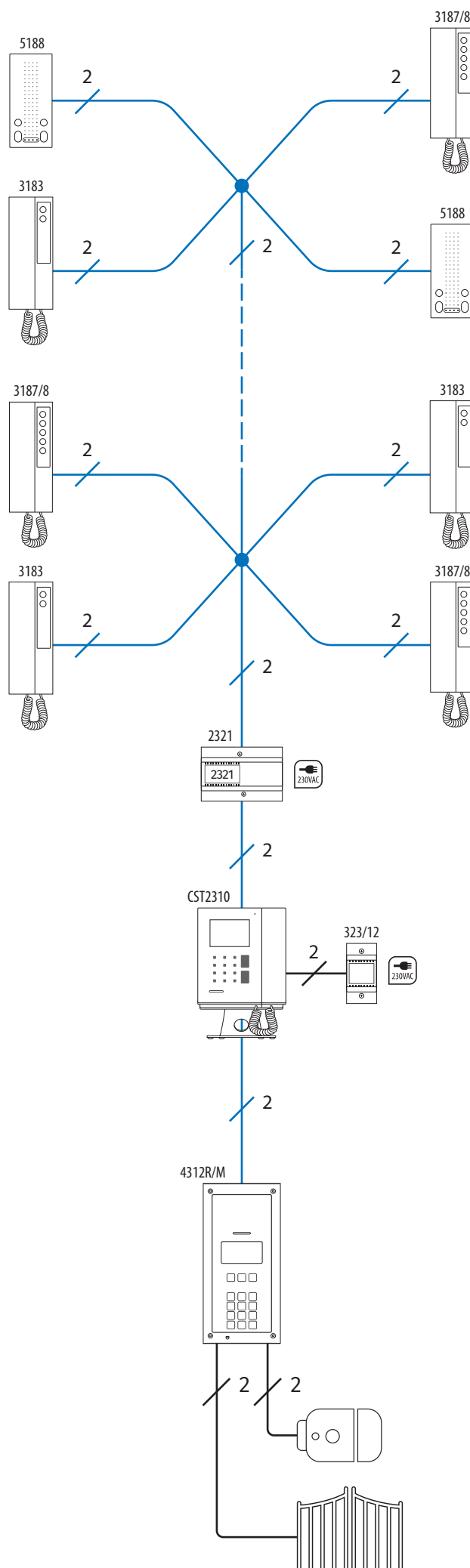














Note

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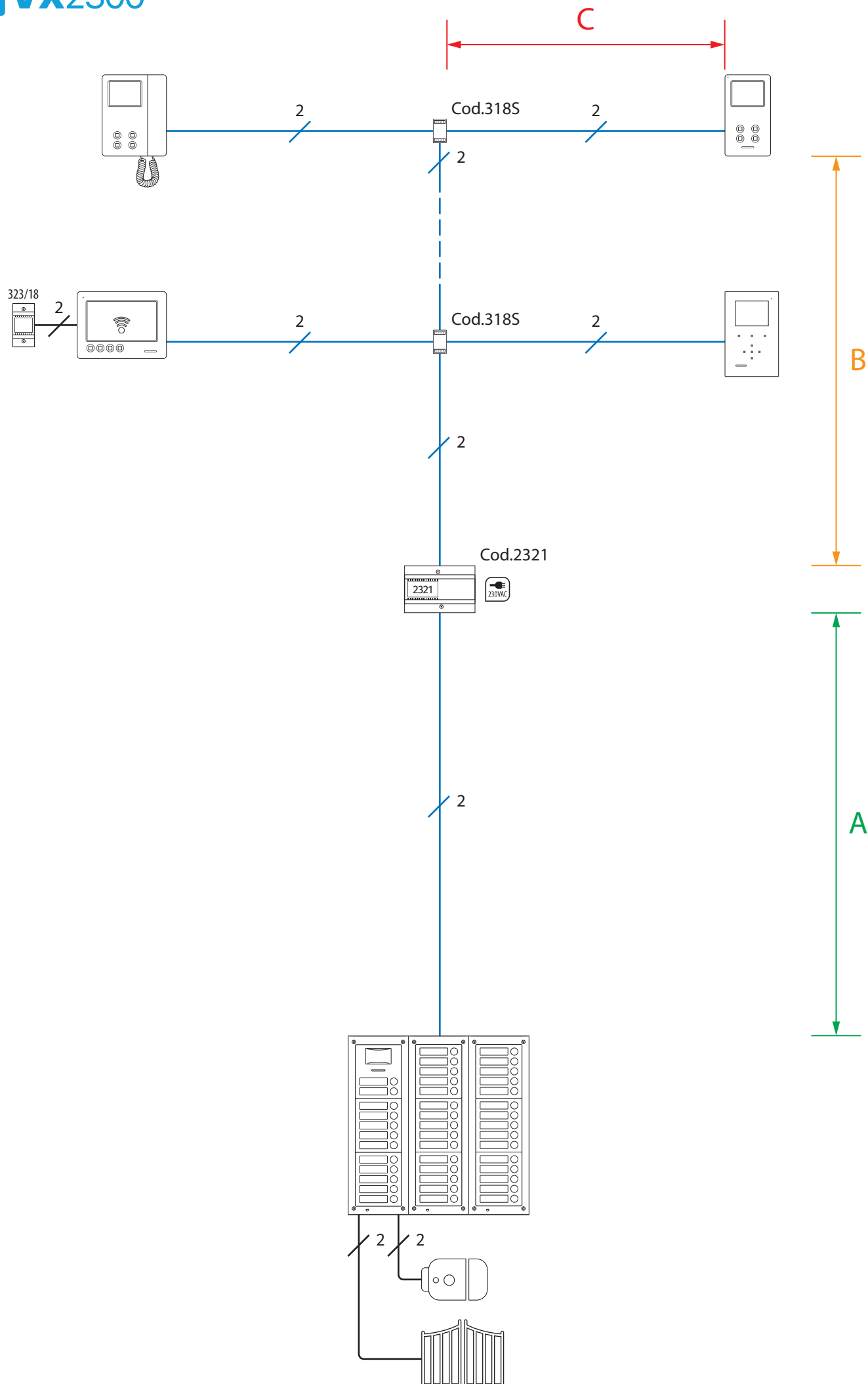
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Cables and distances



Distance table with passive distribution of the video signal (318s/318)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B+C ⁽³⁾	A+B+C ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	150	100	250	800
Telephone	0.28	6.5Ω	5.5nF	75	60	135	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	60	40	100	800
Single-wire	0.8/1	2.5Ω	10nF	40	25	65	400

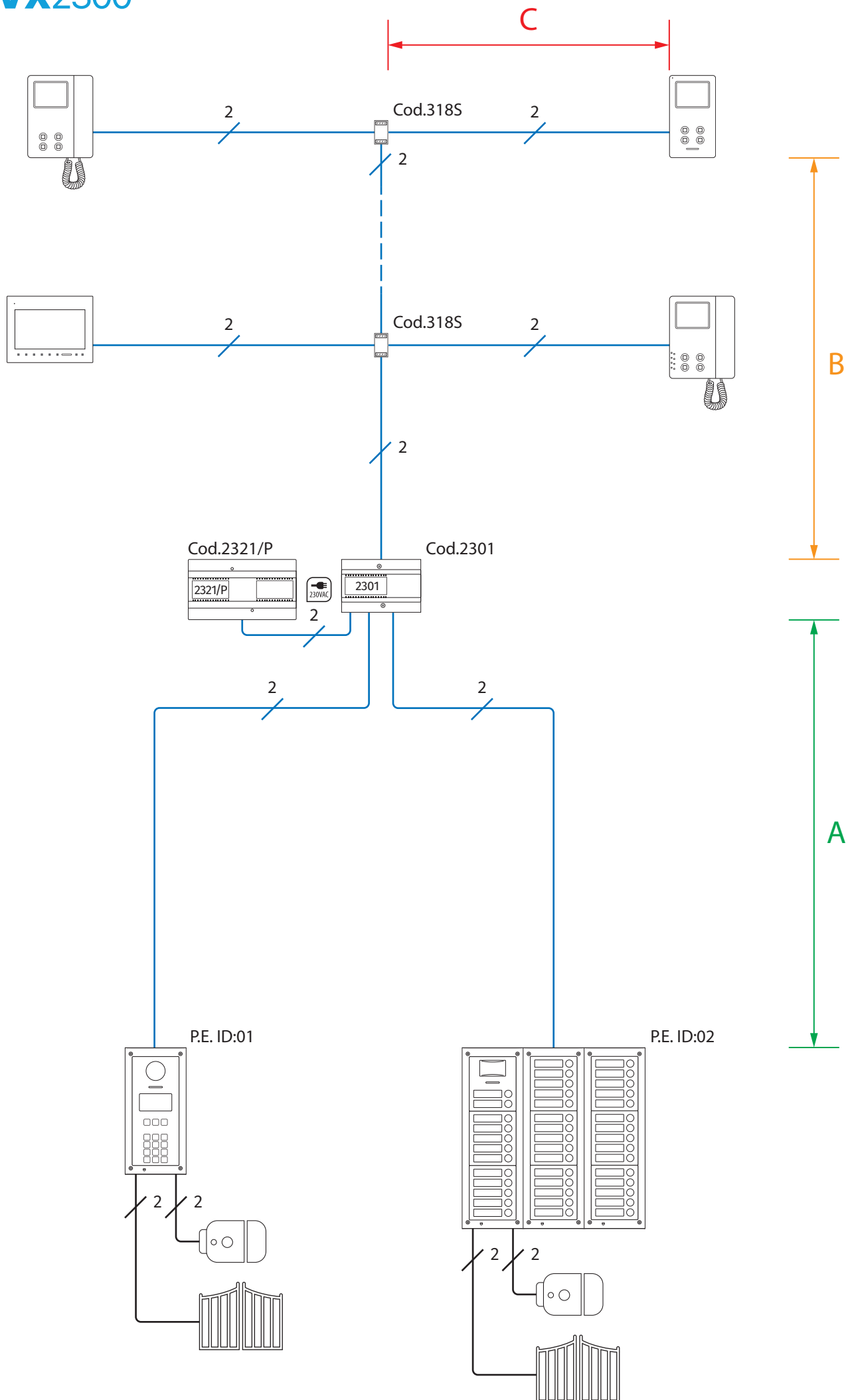
Distance table with active distribution of the video signal (317/319)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B ⁽³⁾	C ⁽³⁾	A+B+C ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	200	200	50	450	800
Telephone	0.28	6.5Ω	5.5nF	100	100	40	240	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	80	80	30	190	800
Single-wire	0.8/1	2.5Ω	10nF	50	50	25	125	400

1. Maximum cable resistance per 100 metres.
2. Maximum cable capacitance per 100 metres.
3. Maximum length in metres of the cable section from the outgoing point to the incoming point.
4. Maximum distance in metres, adding the sections of cables involved, in the call between the outdoor station and the destination video-intercom.
5. Maximum overall cable quantity in metres used in the system. In the presence of block exchangers, Cod. 2306, it is permitted to use a larger amount of cable as long as, for each block, the total of the cable used to connect the blocks plus the total of the cable used in the block never exceeds 800 metres: for example using CM2 cable, if in an installation with 3 secondary blocks 200 metres of cable have already been used to connect the main outdoor stations and blocks, within each block up to 600 metres of cable may be used for a total of 200+600+600+600 = 2000 metres of cable.

NOTE:

- It is strongly advised not to use shielded cables due to the increased capacitance which can cause video quality and data transmission issues.
- In the case of multipair cables (UTP Cat.5/6) use only one twisted pair of the 4 pairs available.
- For the routing of cables on the system it is necessary that the cables are ran separately from any power lines or other high voltages in general, otherwise, direct exposure to electromagnetic interference could cause noise in the audio/video signal and loss of functionality in digital communication. Where it is necessary to reuse existing cables, it may be necessary to use active bus splitters such as Cod. 317 and Cod. 319.



Distance table with passive distribution of the video signal (318s/318)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B+C ⁽³⁾	A+B+C ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	200	150	350	800
Telephone	0.28	6.5Ω	5.5nF	100	80	180	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	80	70	150	800
Single-wire	0.8/1	2.5Ω	10nF	50	50	100	400

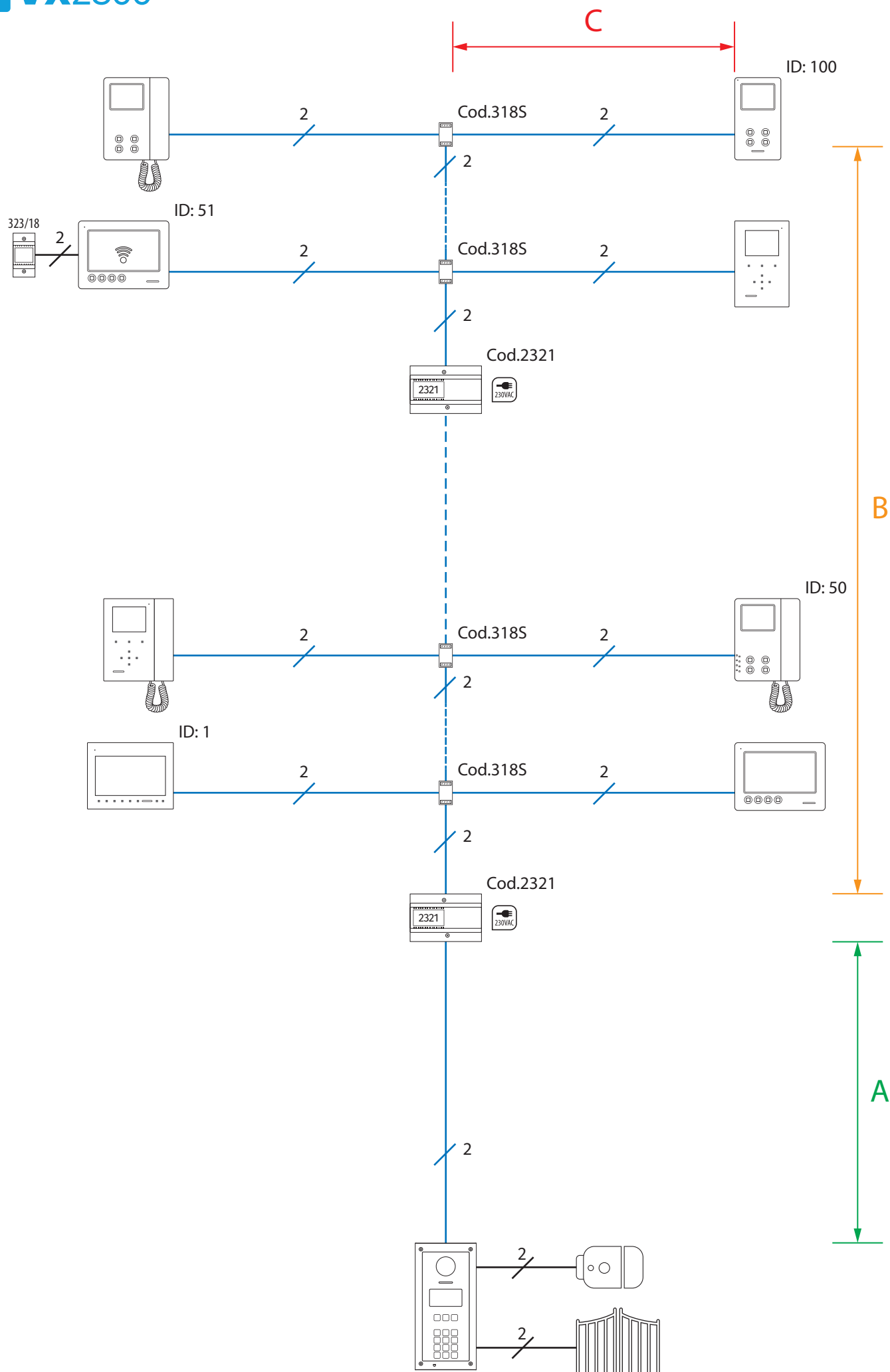
Distance table with active distribution of the video signal (317/319)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B ⁽³⁾	C ⁽³⁾	A+B+C ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	200	200	50	800	800
Telephone	0.28	6.5Ω	5.5nF	100	100	40	300	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	80	80	30	140	800
Single-wire	0.8/1	2.5Ω	10nF	50	50	25	150	400

1. Maximum cable resistance per 100 metres.
2. Maximum cable capacitance per 100 metres.
3. Maximum length in metres of the cable section from the outgoing point to the incoming point.
4. Maximum distance in metres, adding the sections of cables involved, in the call between the outdoor station and the destination video-intercom.
5. Maximum overall cable quantity in metres used in the system. In the presence of block exchangers, Cod. 2306, it is permitted to use a larger amount of cable as long as, for each block, the total of the cable used to connect the blocks plus the total of the cable used in the block never exceeds 800 metres: for example using CM2 cable, if in an installation with 3 secondary blocks 200 metres of cable have already been used to connect the main outdoor stations and blocks, within each block up to 600 metres of cable may be used for a total of 200+600+600+600 = 2000 metres of cable.

NOTE:

- It is strongly advised not to use shielded cables due to the increased capacitance which can cause video quality and data transmission issues.
- In the case of multipair cables (UTP Cat.5/6) use only one twisted pair of the 4 pairs available.
- For the routing of cables on the system it is necessary that the cables are ran separately from any power lines or other high voltages in general, otherwise, direct exposure to electromagnetic interference could cause noise in the audio/video signal and loss of functionality in digital communication. Where it is necessary to reuse existing cables, it may be necessary to use active bus splitters such as Cod. 317 and Cod. 319.



Distance table with passive distribution of the video signal (318s/318)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B+C ⁽³⁾	A+B+C ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	150	100	250	800
Telephone	0.28	6.5Ω	5.5nF	75	60	135	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	60	40	100	800
Single-wire	0.8/1	2.5Ω	10nF	40	25	65	400

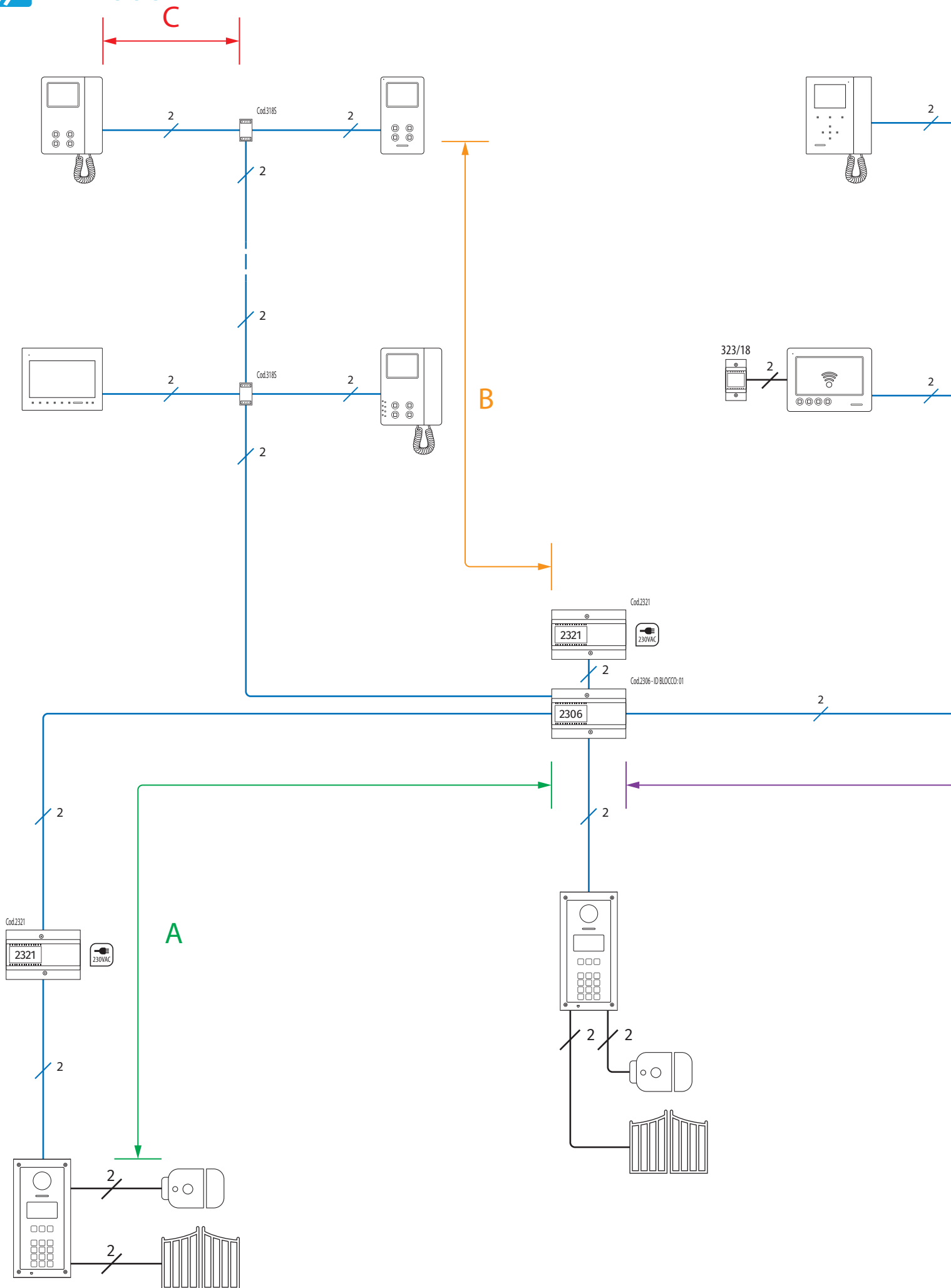
Distance table with active distribution of the video signal (317/319)

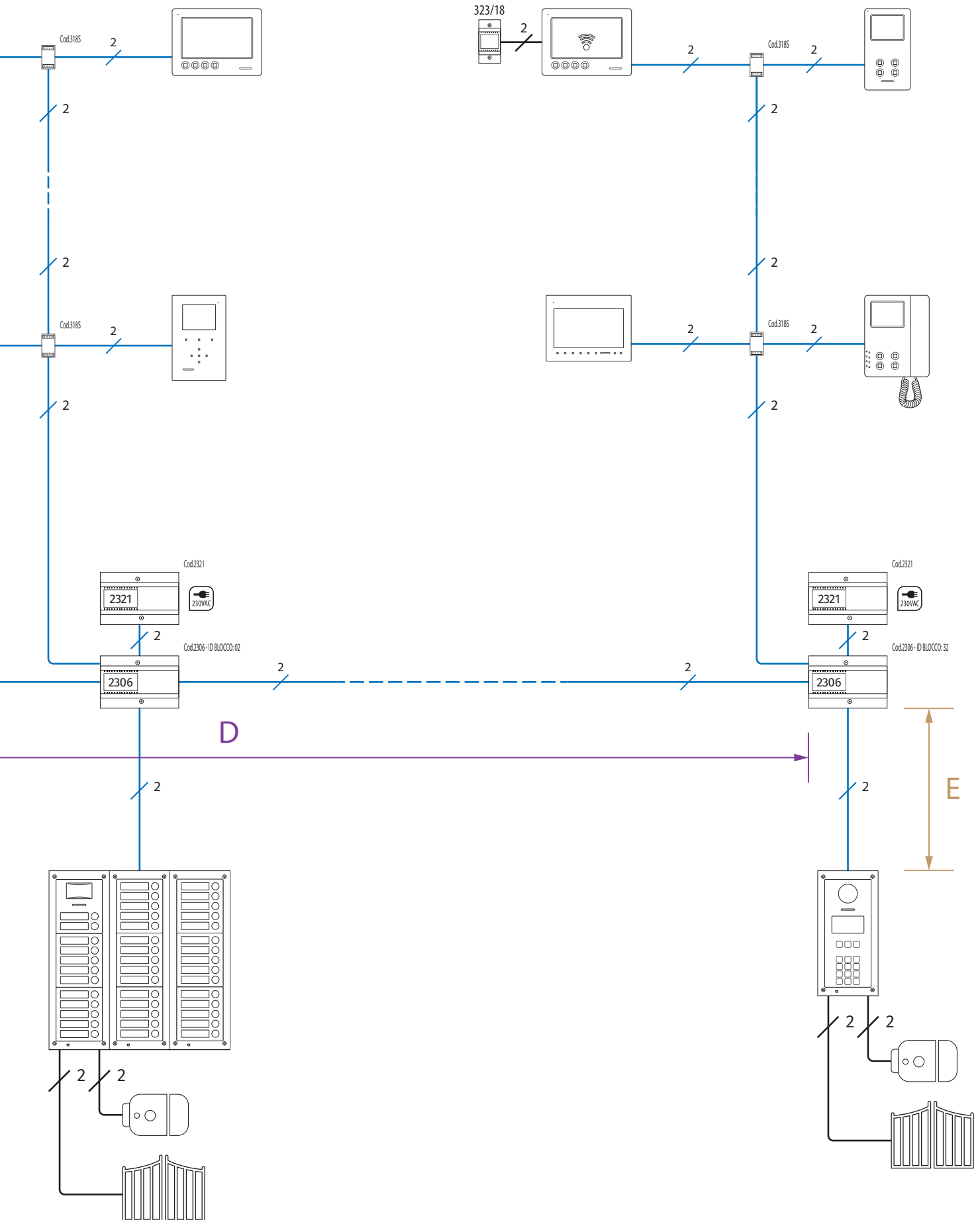
Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B ⁽³⁾	C ⁽³⁾	A+B+C ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	200	200	50	450	800
Telephone	0.28	6.5Ω	5.5nF	100	100	40	240	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	80	80	30	190	800
Single-wire	0.8/1	2.5Ω	10nF	50	50	25	125	400

1. Maximum cable resistance per 100 metres.
2. Maximum cable capacitance per 100 metres.
3. Maximum length in metres of the cable section from the outgoing point to the incoming point.
4. Maximum distance in metres, adding the sections of cables involved, in the call between the outdoor station and the destination video-intercom.
5. Maximum overall cable quantity in metres used in the system. In the presence of block exchangers, Cod. 2306, it is permitted to use a larger amount of cable as long as, for each block, the total of the cable used to connect the blocks plus the total of the cable used in the block never exceeds 800 metres: for example using CM2 cable, if in an installation with 3 secondary blocks 200 metres of cable have already been used to connect the main outdoor stations and blocks, within each block up to 600 metres of cable may be used for a total of 200+600+600+600 = 2000 metres of cable.

NOTE:

- It is strongly advised not to use shielded cables due to the increased capacitance which can cause video quality and data transmission issues.
- In the case of multipair cables (UTP Cat.5/6) use only one twisted pair of the 4 pairs available.
- For the routing of cables on the system it is necessary that the cables are ran separately from any power lines or other high voltages in general, otherwise, direct exposure to electromagnetic interference could cause noise in the audio/video signal and loss of functionality in digital communication. Where it is necessary to reuse existing cables, it may be necessary to use active bus splitters such as Cod. 317 and Cod. 319.





Distance table with passive distribution of the video signal (318S/318)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B+C ⁽³⁾	D ⁽³⁾	E ⁽³⁾	A+B+C+D+E ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	200	200	200	200	800	800
Telephone	0.28	6.5Ω	5.5nF	100	100	100	100	300	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	80	80	80	80	240	800
Single-wire	0.8/1	2.5Ω	10nF	50	50	50	50	150	400

Distance table with active distribution of the video signal (317/319)

Cable	Sect. (mm ²)	Resistance ⁽¹⁾	Capacitance ⁽²⁾	A ⁽³⁾	B ⁽³⁾	C ⁽³⁾	D ⁽³⁾	E ⁽³⁾	A+B+C+D+E ⁽⁴⁾	Max Cable ⁽⁵⁾
Videx cm2	1.00	2.5Ω	5.0nF	200	200	50	200	200	800	800
Telephone	0.28	6.5Ω	5.5nF	100	100	40	100	100	300	800
UTP Cat.5 (only one pair)	0.22	8Ω	4.9nF	80	80	30	80	80	240	800
Single-wire	0.8/1	2.5Ω	10nF	50	50	25	50	50	150	400

1. Maximum cable resistance per 100 metres.
2. Maximum cable capacitance per 100 metres.
3. Maximum length in metres of the cable section from the outgoing point to the incoming point.
4. Maximum distance in metres, adding the sections of cables involved, in the call between the outdoor station and the destination video-intercom.
5. Maximum overall cable quantity in metres used in the system. In the presence of block exchangers, Cod. 2306, it is permitted to use a larger amount of cable as long as, for each block, the total of the cable used to connect the blocks plus the total of the cable used in the block never exceeds 800 metres: for example using CM2 cable, if in an installation with 3 secondary blocks 200 metres of cable have already been used to connect the main outdoor stations and blocks, within each block up to 600 metres of cable may be used for a total of 200+600+600+600 = 2000 metres of cable.

NOTE:

- It is strongly advised not to use shielded cables due to the increased capacitance which can cause video quality and data transmission issues.
- In the case of multipair cables (UTP Cat.5/6) use only one twisted pair of the 4 pairs available.
- For the routing of cables on the system it is necessary that the cables are ran separately from any power lines or other high voltages in general, otherwise, direct exposure to electromagnetic interference could cause noise in the audio/video signal and loss of functionality in digital communication. Where it is necessary to reuse existing cables, it may be necessary to use active bus splitters such as Cod. 317 and Cod. 319.

Note

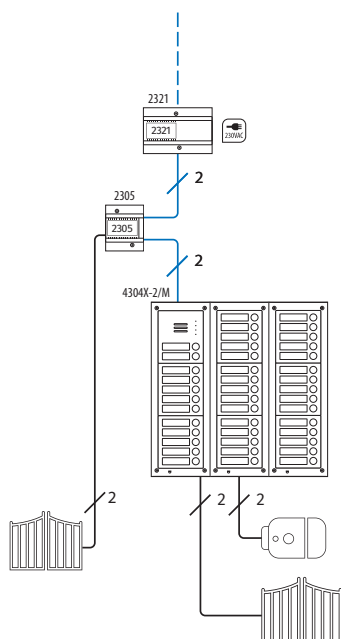
Single-line examples special applications

System: audio

Type of Outdoor Station: Modular
push-button panel

Application: Relay 2305 for activation of
second dry contact output

SLD_VX2300_AS_001

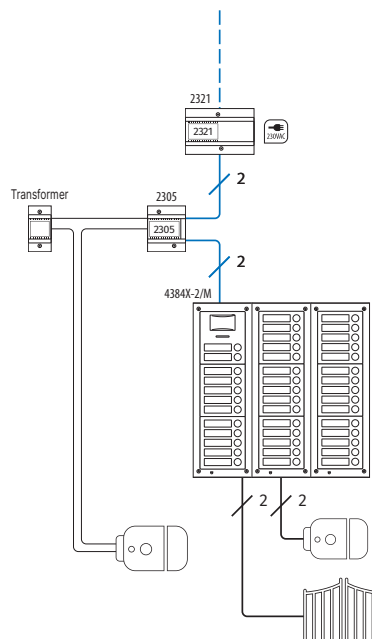


System: audio/video

Type of Outdoor Station: Modular
push-button panel

Application: Relay 2305 for activation of
second powered lock

SLD_VX2300_AS_001A

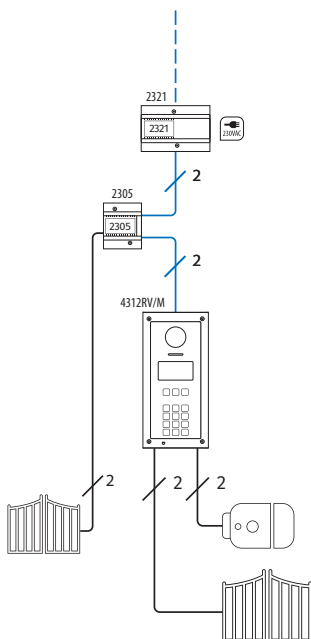


System: audio/video

Type of Outdoor Station: Digital panel

Application: Relay 2305 for activation of
second dry contact output

SLD_VX2300_AS_002

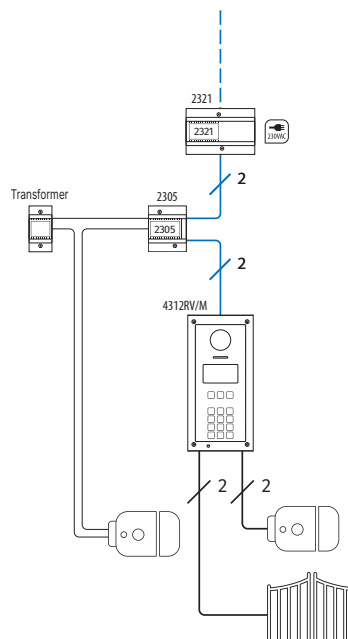


System: audio/video

Type of Outdoor Station: Digital panel

Application: Relay 2305 for activation of
second powered lock

SLD_VX2300_AS_002A

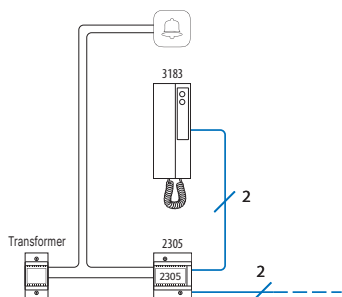


System: audio

Type of Indoor Station: Intercom

Application: Relay 2305 for powered ringtone activation

SLD_VX2300_AS_003

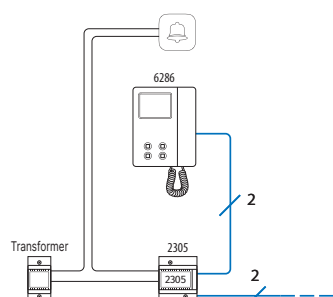


System: video

Type of Indoor Station: Video intercom

Application: Relay 2305 for powered ringtone activation

SLD_VX2300_AS_004

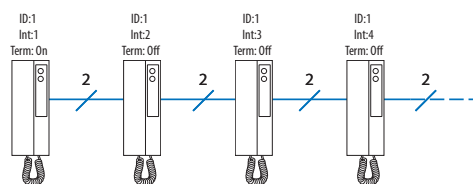


System: audio

Type of Indoor Station: Intercom

Application: Multiple intercoms with same ID

SLD_VX2300_AS_005

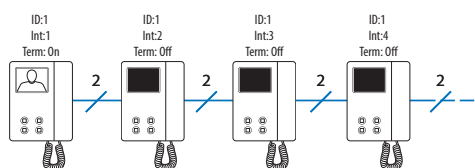


System: video

Type of Indoor Station: Video intercom

Application: Multiple videophones with same ID (One master with picture preview when called)

SLD_VX2300_AS_006

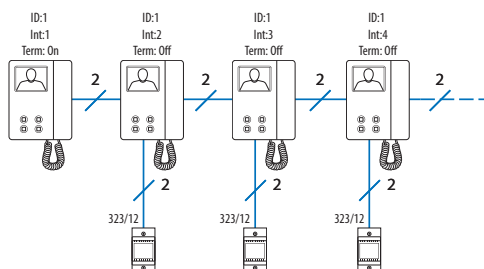


System: video

Type of Indoor Station: Video intercom

Application: Multiple videophones with same ID (All with picture preview when called)

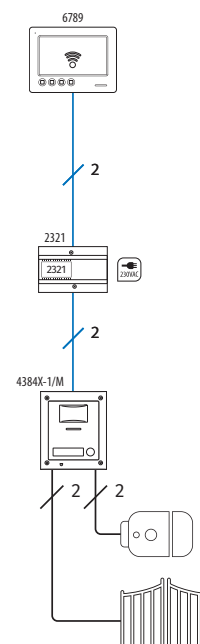
SLD_VX2300_AS_007



System: video

Type of Indoor Station: Video intercom

Application: Wi-Fi Monitor
Powered by BUS
SLD_VX2300_AS_008



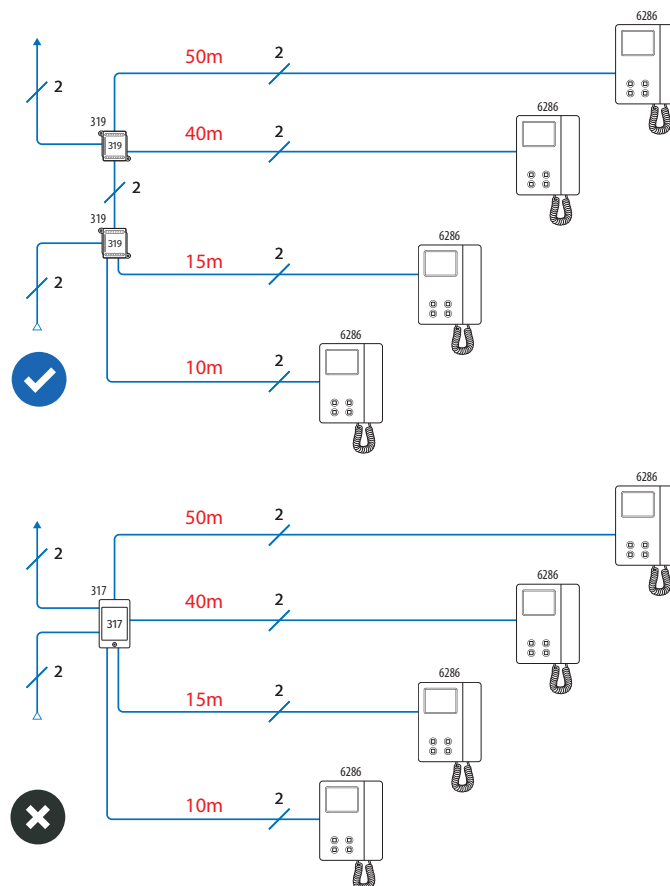
System: video

Type of Indoor Station: Video intercom

Application: Suggested video distribution

SLD_VX2300_AS_009

This example explains that in the presence of uneven distances between the distributor and the internal station, it is advisable to use 2-way distributors by linking the devices with similar distances.



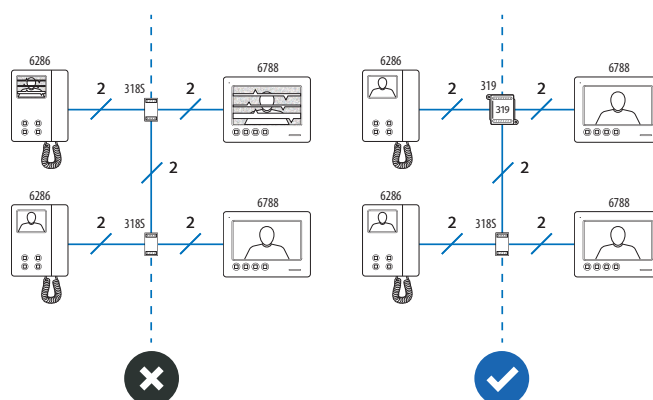
System: video

Type of Indoor Station: Video intercom

Application: Suggested video distribution

SLD_VX2300_AS_010

In the presence of degradation of the video signal, it is recommended to install active distributors along the column. **Warning!** The active video distributor is effective only when the incoming signal is still of good quality.



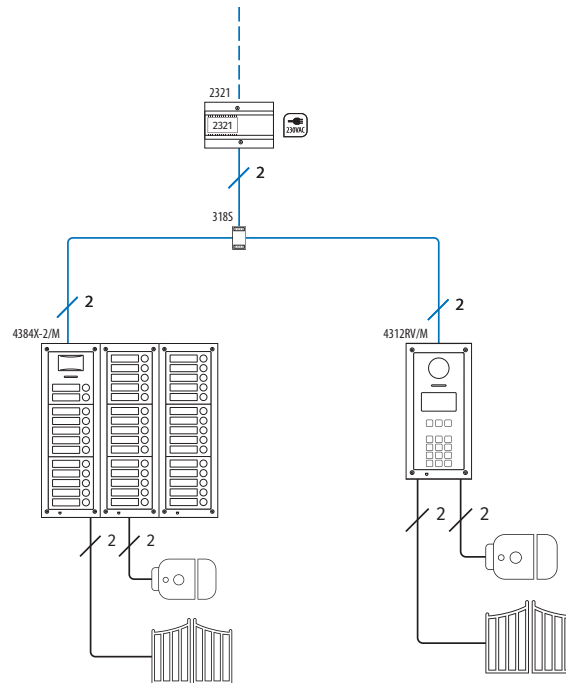
System: video

Type of Indoor Station: Video intercom

Application: Video exchanger









SLD_VX2300_AS_011

In small systems with 2 entrances, where the wiring distances are moderate, it is possible to use the 318S video distributor as an entrance exchanger, the distributor must be near the power supply and the distance from each outdoor station from the distributor must not exceed 50 metres.

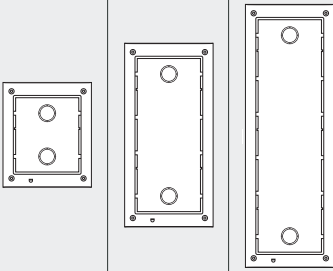
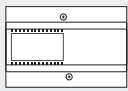







Parts list table

Video Systems VX2300

								
	4384X-0/M/WD	4384X-1/M/WD	4384X-2/M/WD	4840/4846	4043/M	4044/M	4045/M	CFL45
Users	Audio Modules			Dummy modules/ info	Push-button Modules			Ribbon cable
1		1						-
2			1					-
3	1				1			-
4	1					1		-
5	1						1	-
6		1					1	-
7			1				1	-
8	1				1		1	-
9	1					1	1	-
10	1						2	-
11		1					2	-
12			1				2	-
13-17			1				3	1
18-22			1	1			4	1
23-27			1				5	1
28-32			1	2			6	2
33-37			1	1			7	2
38-42			1				8	2









When using the monitor Cod. 6789, it is necessary to combine the power supply Cod. 323/18 only in case of multiple apartments. When the system is a single apartment with 1 or 2 O.S. (Outdoor Stations), it is not necessary to use the optional power supply (single-wire diagram reference SLD_VX2300_AS_008).

									
4851	4852	4853	2321	318S	6286	6388	6788	6789	
Flush kit			Power Supply	Distributor	3.5" handset monitor	3.5" speaker monitor	7" Monitor	7" Monitor connected	
1			1	1	1	1	1	1	
1			1	1	2	2	2	2	
	1		1	2	3	3	3	3	
	1		1	2	4	4	4	4	
	1		1	3	5	5	5	5	
	1		1	3	6	6	6	6	
	1		1	4	7	7	7	7	
		1	1	4	8	8	8	8	
		1	1	5	9	9	9	9	
		1	1	5	10	10	10	10	
		1	1	6	11	11	11	11	
		1	1	6	12	12	12	12	
	2		1	7-9	13-17	13-17	13-17	13-17	
		2	1	9-11	18-22	18-22	18-22	18-22	
		2	1	12-14	23-27	23-27	23-27	23-27	
		3	1	14-16	28-32	28-32	28-32	28-32	
		3	1	17-19	33-37	33-37	33-37	33-37	
		3	1	19-21	38-42	38-42	38-42	38-42	

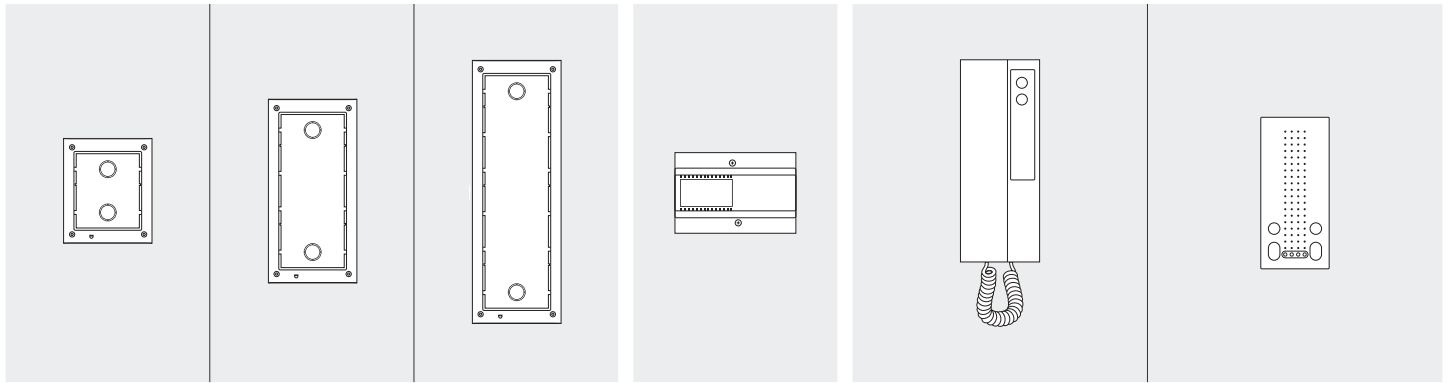
To use all 42 buttons you need to program the 4384X using the 2209 programming kit.
It is possible to use the base system KIT solutions codes KIT2300, KIT2301 and KIT2302.

Parts list table

VX2300 Audio Systems

								
	4304X-0/M	4304X-1/M	4304X-2/M	4840/4846	4043/M	4044/M	4045/M	CFL45
Users	Audio Modules			Dummy modules/ info	Push-button Modules			Ribbon cable
1		1						-
2			1					-
3	1				1			-
4	1					1		-
5	1						1	-
6		1					1	-
7			1				1	-
8	1				1		1	-
9	1					1	1	-
10	1						2	-
11		1					2	-
12			1				2	-
13-17			1				3	1
18-22			1	1			4	1
23-27			1				5	1
28-32			1	2			6	2
33-37			1	1			7	2
38-42			1				8	2

It is possible to use the base system KIT solutions codes KIT2310, KIT2311 and KIT2312.
To use all 42 buttons you need to program the 4384X using the 2209 programming kit.



4851	4852	4853	2321	3183	5188
Flush kit			Power Supply	Intercom with handset	Intercom with speaker phone
1			1	1	1
1			1	2	2
	1		1	3	3
	1		1	4	4
	1		1	5	5
	1		1	6	6
	1		1	7	7
		1	1	8	8
		1	1	9	9
		1	1	10	10
		1	1	11	11
		1	1	12	12
	2		1	13-17	13-17
		2	1	18-22	18-22
		2	1	23-27	23-27
		3	1	28-32	28-32
		3	1	33-37	33-37
		3	1	38-42	38-42





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