

# 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 or 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.**



## 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.



## See what's happening near your home

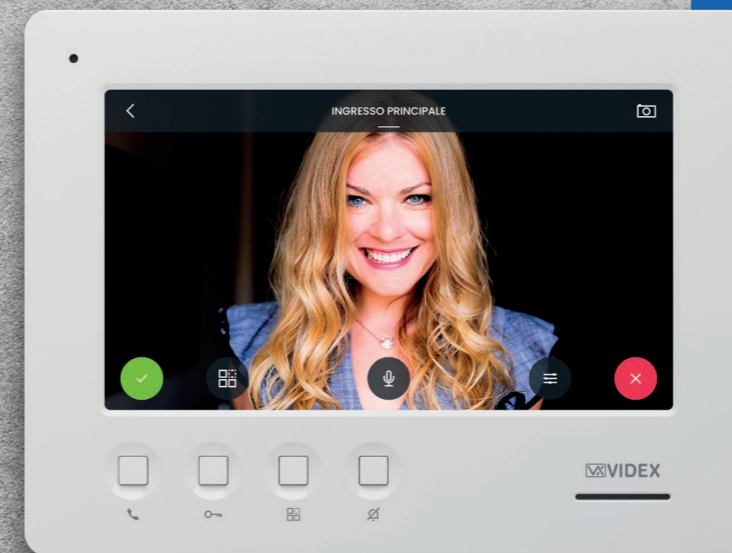
Whether you're out or at home, you can check your smartphone and view the outdoor station video intercom to see what's happening.



Video intercom

# 6700 SERIES

## Indoor stations



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**

**Multi-compatible RTSP and HTTP**

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

**Remote function control via free App**

**Integrated smart chronothermostat**



**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 unpleasing device placed on the wall and an unpleasing 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 Videx 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** **6700 Series: The all-in-one panel for supervision of integrated technologies and features**

The new 6700 series video intercom with VX2300 technology is powerful and 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.



**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.



**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.



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



Push-button panel

# 4000 SERIES

## Outdoor stations



**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 (relay 1 with the possibility of capacitive discharge) 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

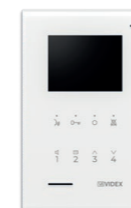
KRISTALLO series video intercom for VX2300 system with full duplex handset and speakerphone, 3.5" LCD TFT monitor, 8 soft touch buttons for functions: conversation, auto ignition, door opener, intercom call (4), camera switching, privacy service, remote relay activation Cod. 2305. Local call input. Adjust 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: 120x190x29mm. Flush installation through boxes Cod. KRV981 or KRV983. Flush mounting dimensions: 120x190x8mm.



**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: 190x147x32mm. Wall installation through Cod. KRV7985/W, for table Cod. KRV7931, or flush through Cod. KRV7981 or KRV7983. Flush mounting dimensions: 190x147x9mm.



**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: 190x147x32mm. Wall installation through Cod. KRV7985/B, for table Cod. KRV7931, or flush through Cod. KRV7981 or KRV7983. Flush mounting dimensions: 190x147x9mm.



**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: 85x218x55mm. 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: 85x218x55mm. 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: 74x164x23.5mm. 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**

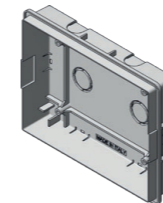
Flush installation box for monitor Cod. KRV84/W-B.



**KRV983**

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

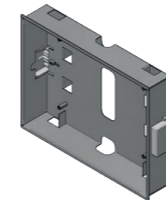
Flush installation box/plasterboard for monitor Cod. KRV84/W-B.



**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 keypad with blue LED backlight. Built-in 8Ω/2W speaker and microphone 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 3,200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keypad or from the integrated proximity reader NFC/MIFARE for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge (max 12Vac/dc - 2A) 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 screen contrast, microphone and speaker without any pots. 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. Occupies 2 modules.



## 4312RV

### Vandal resistant digital 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 speaker and microphone 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 3,200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader NFC/MIFARE for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge (max 12Vac/dc - 2A) 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 screen contrast, microphone and speaker without any pots. 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. Occupies 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 speaker and microphone 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 3,200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keypad or from the integrated proximity reader NFC/MIFARE for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge (max 12Vac/dc - 2A) 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 screen contrast, microphone and speaker without any pots. 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. Occupies 2 modules.



## 4312R

### Vandal resistant digital 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 speaker and microphone 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 3,200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader NFC/MIFARE for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge (max 12Vac/dc - 2A) 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 screen contrast, microphone and speaker without any pots. 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. Occupies 2 modules.





**4312V/F**

**Vandal resistant digital audio/video single 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 976x582 (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 Mifare 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 (max 12Vac/dc - 2A) 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: 135x280x47 mm. Flush box included, dimensions 120x263x45 mm. No installation accessories required.



**4312RV/F**

**Vandal resistant digital 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 976x582 (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 speaker and microphone 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 3,200 contacts selectable from the alphanumeric keypad and viewable from the display. Access control function available from the keyboard or from the integrated proximity reader NFC/MIFARE for activating the door opener relay. Wiegand interface up to 34-bit. Programmable door opening and conversation time. Internal log for events. 2 standard relays with clean contacts C-NO-NC (max 24Vac/dc - 2A) with the possibility of configuring the capacitive discharge (max 12Vac/dc - 2A) 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 screen contrast, microphone and speaker without any pots. 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: 135x280x47 mm. Flush box included, dimensions 120x263x45 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 (max 12Vac/dc - 1A) for the direct powering of the lock, an SSR output (Solid State Relay, max 60Vdc/40Vac - 0.1A) 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: 103x120x43 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 (max 12Vac/dc - 1A) for the direct powering of the lock, an SSR output (Solid State Relay, max 60Vdc/40Vac - 0.1A) 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: 103x120x43 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 (max 12Vac/dc - 1A) for the direct powering of the lock, an SSR output (Solid State Relay, max 60Vdc/40Vac - 0.1A) 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: 103x120x43 mm. Encumbrance 1 module.



**4384X-0/WD/M**

**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 976x582 (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 (max 12Vac/dc - 1A) for the direct powering of the lock, an SSR output (Solid State Relay, max 60Vdc/40Vac - 0.1A) 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: 103x120x43 mm. Encumbrance 1 module.



**4384X-1/WD/M**

**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 976x582 (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 (max 12Vac/dc - 1A) for the direct powering of the lock, an SSR output (Solid State Relay, max 60Vdc/40Vac - 0.1A) 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: 103x120x43 mm. Encumbrance 1 module.



**4384X-2/WD/M**

**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 976x582 (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 (max 12Vac/dc - 1A) for the direct powering of the lock, an SSR output (Solid State Relay, max 60Vdc/40Vac - 0.1A) 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: 103x120x43 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 103x120x43 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 103x120x43 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 103x120x43 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 103x120x43 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 103x120x43 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.



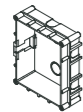
**4850P/M**

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

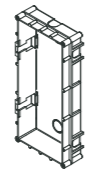
Stand-alone access control module for IPure, VX2300 and GSM systems. 2 LED for status/operation alerts. 1 relays with contacts C, NC, NO (24V AC/DC - 2A) programmable for temporary activation (01 ... 225 seconds) or for switching operation. Configuration up to 1,000 proximity keys that can be combined 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 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 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 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 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 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 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.





**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.



**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.



**4891**

Rain shield for 1-module frame for surface kit

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



**4894**

Rain shield for 4-module frame for surface kit

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



**4891AP**

Rain shield for 1-module frame for surface kit

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



**4894AP**

Rain shield for 4-module frame for surface kit

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



**4892**

Rain shield for 2-module frame for surface kit

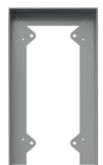
Dimensions 157×284×62 mm, gunmetal grey colour.



**4896**

Rain shield for 6-module frame for surface kit

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



**4892AP**

Rain shield for 2-module frame for surface kit

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



**4896AP**

Rain shield for 6-module frame for surface kit

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



**4893**

Rain shield for 3-module frame for surface kit

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



**4899**

Rain shield for 9-module frame for surface kit

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



**4893AP**

Rain shield for 3-module frame for surface kit

Dimensions 157×404×62 mm, aluminium 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

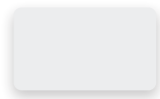
For connection of 4000 series push-button modules across two columns of modules.



**955/T**

### Proximity key

RFID, blue plastic material.



**955/C**

### Proximity card

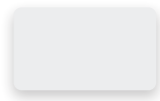
ISO3 standard badge, reading distance up to 50 mm. White PVC material.



**955MF/T**

### Mifare proximity key

Mifare, blue plastic material.

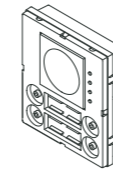


**955MF/C**

### Mifare proximity card

ISO3 standard badge. White PVC material.

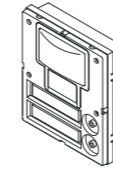
## OEM Modules and accessories



**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, for 1 entrance and maximum 50 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, up to 4 entrances and maximum 50 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

BUS remote relay module for VX2300 systems, 2 clean contacts relays (C,NC,NO - max 24Vac/dc 5A) with programmable output times. 1 active/low input for the local door opener button. The device which can be installed remotely in a secure location mirrors the outputs and auxiliary service of a VX2300 outdoor station. The installation of the device in a secure location avoids the possibility by tampering to activate the door or gate from within the outdoor station where these connections are normally made. BUS power supply. Installation on the wall or on a DIN rail (5 module). Dimensions: 87.5×85×66mm.



## 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/WD/M, 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/WD/M, 1 pc. Cod. 2321, 2 pc. 955/T.



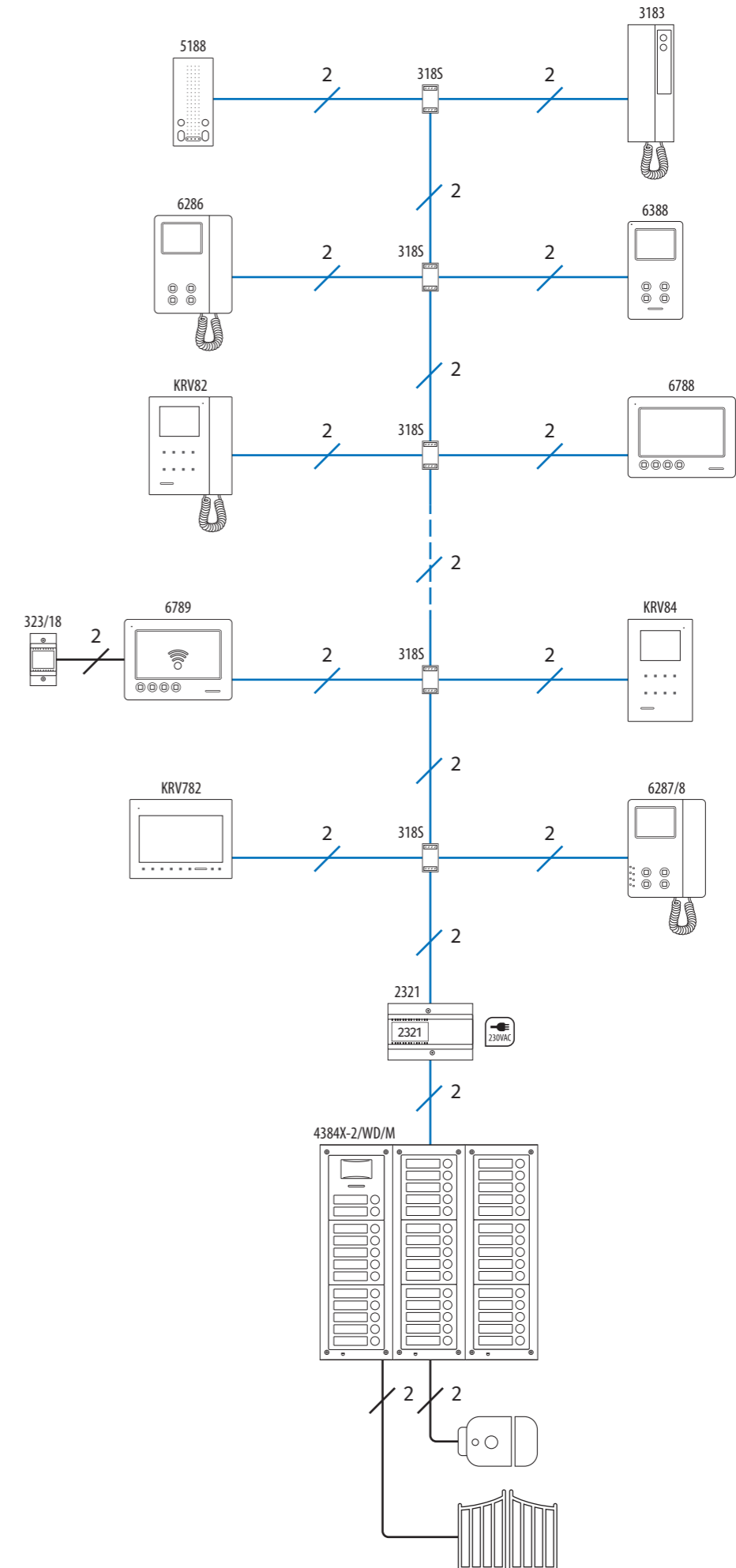
**KIT2302**

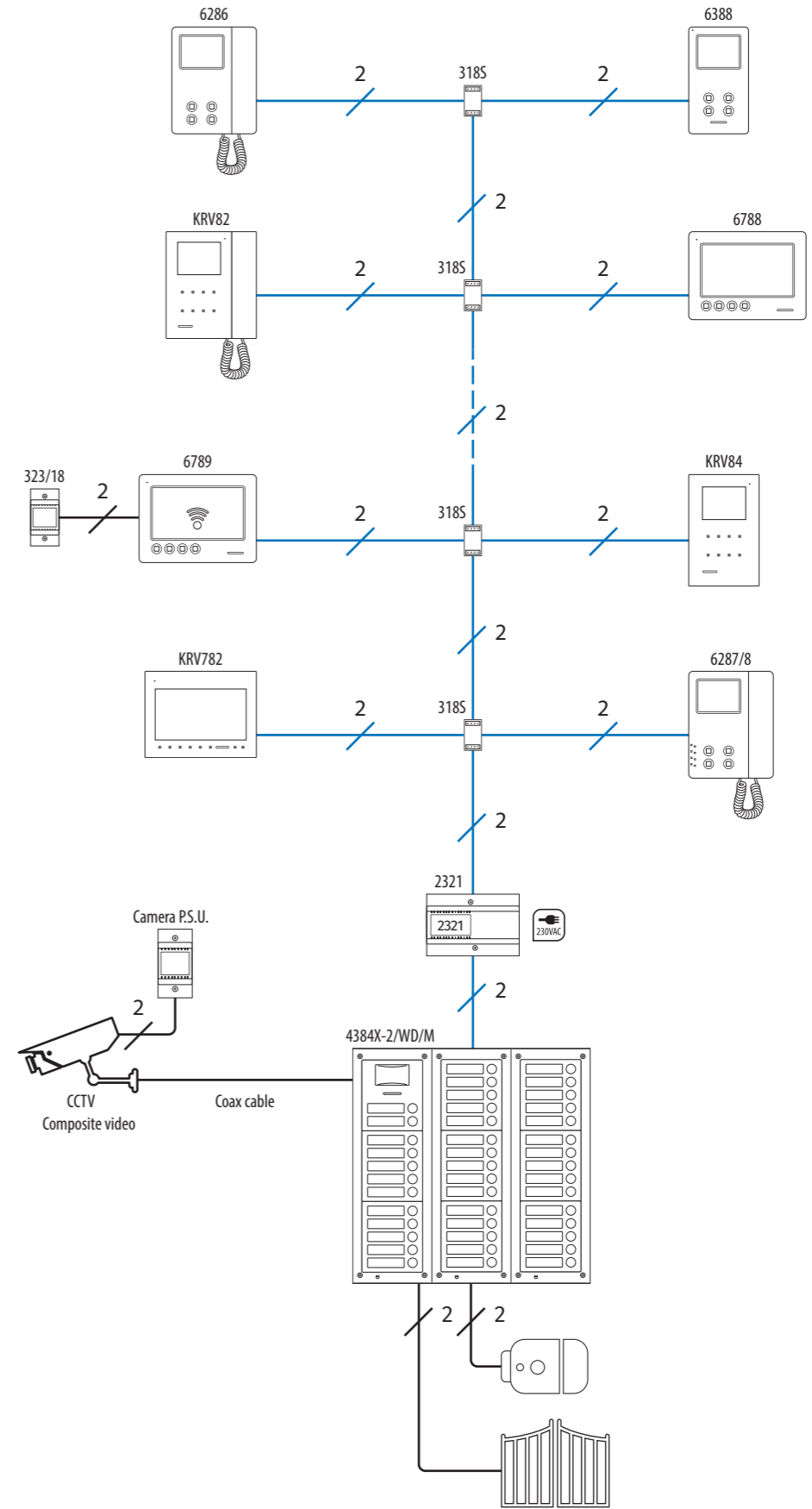
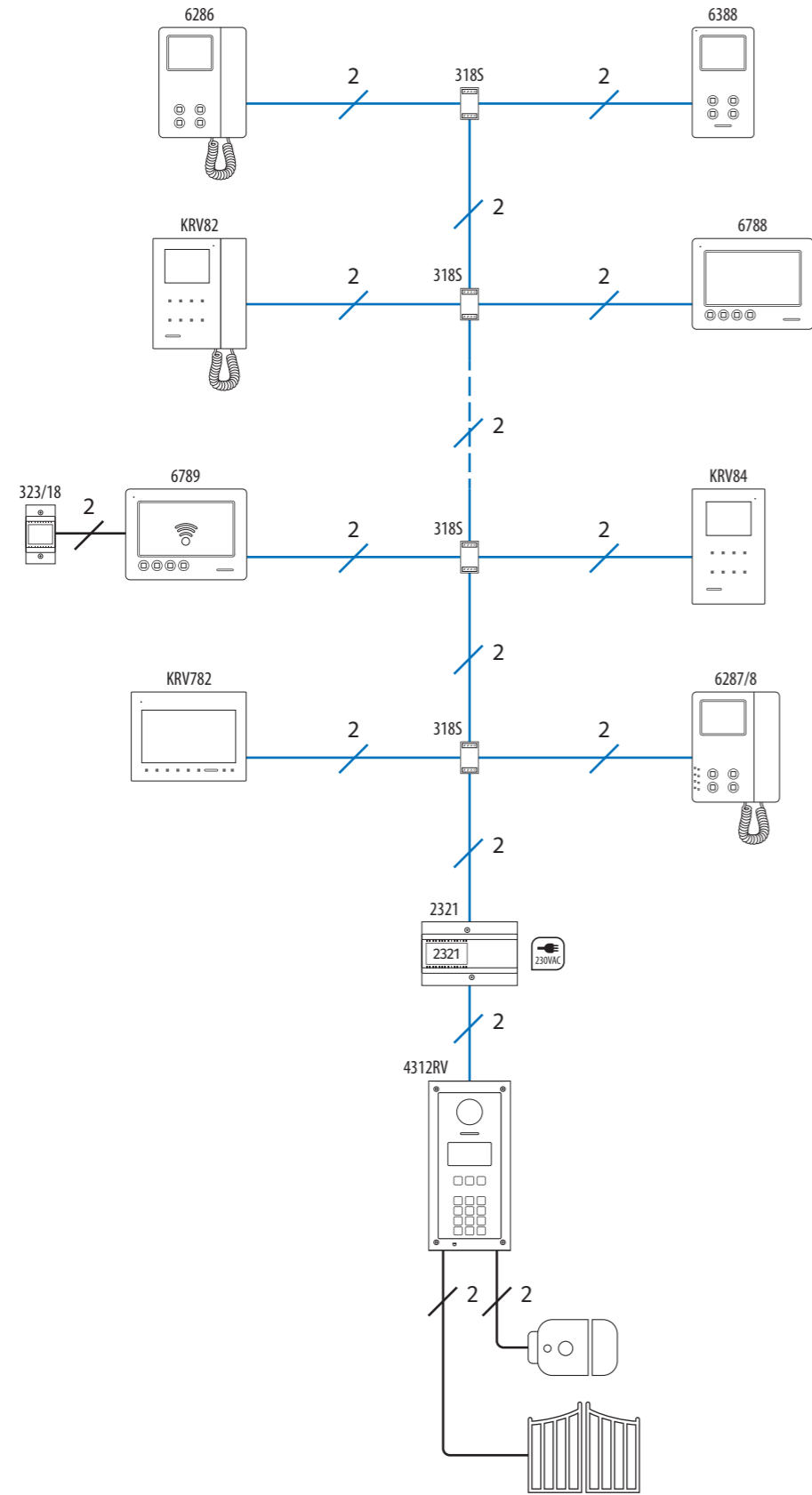
**Two-family base video-intercom kit for VX2300 system**

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

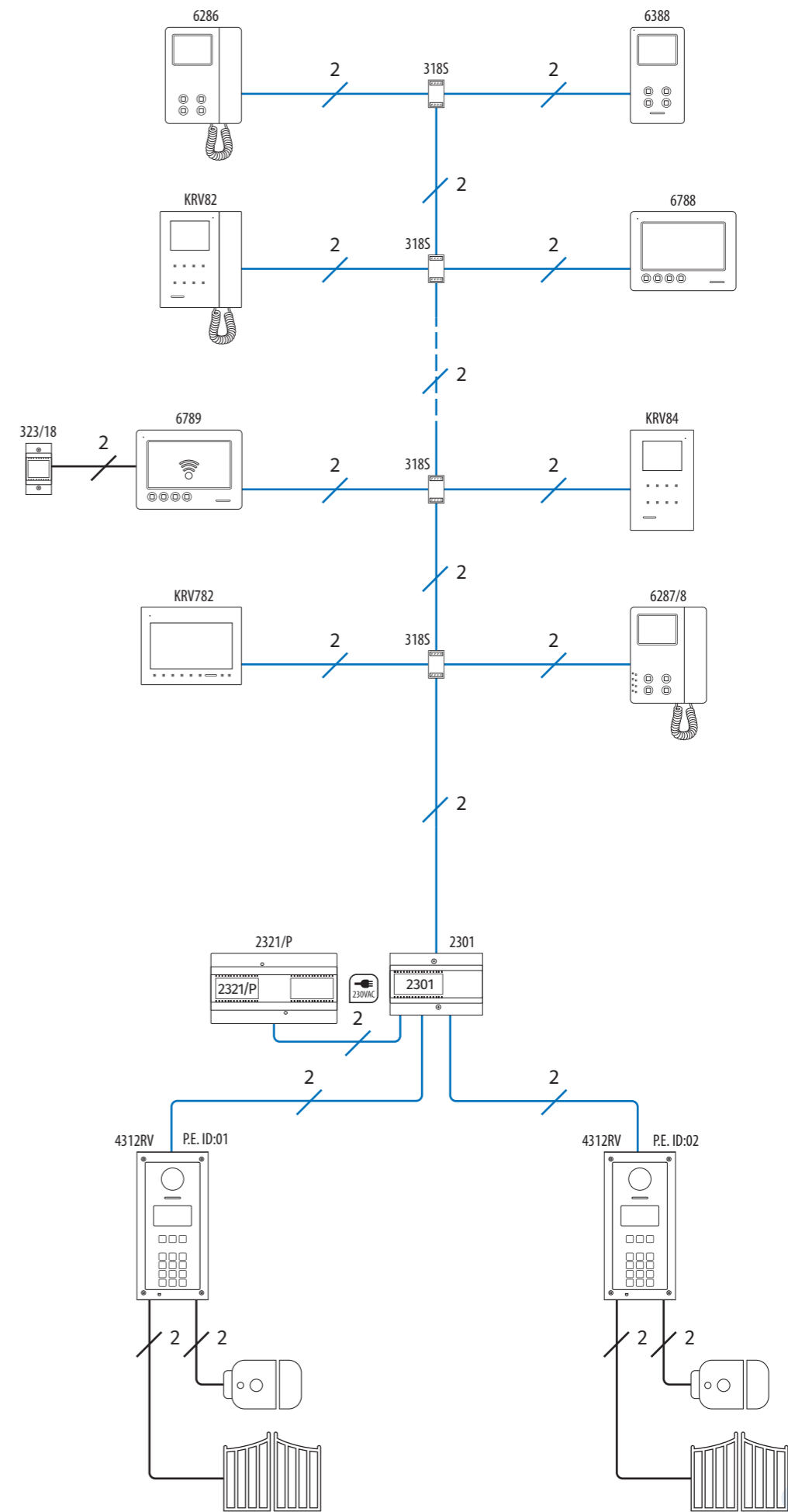
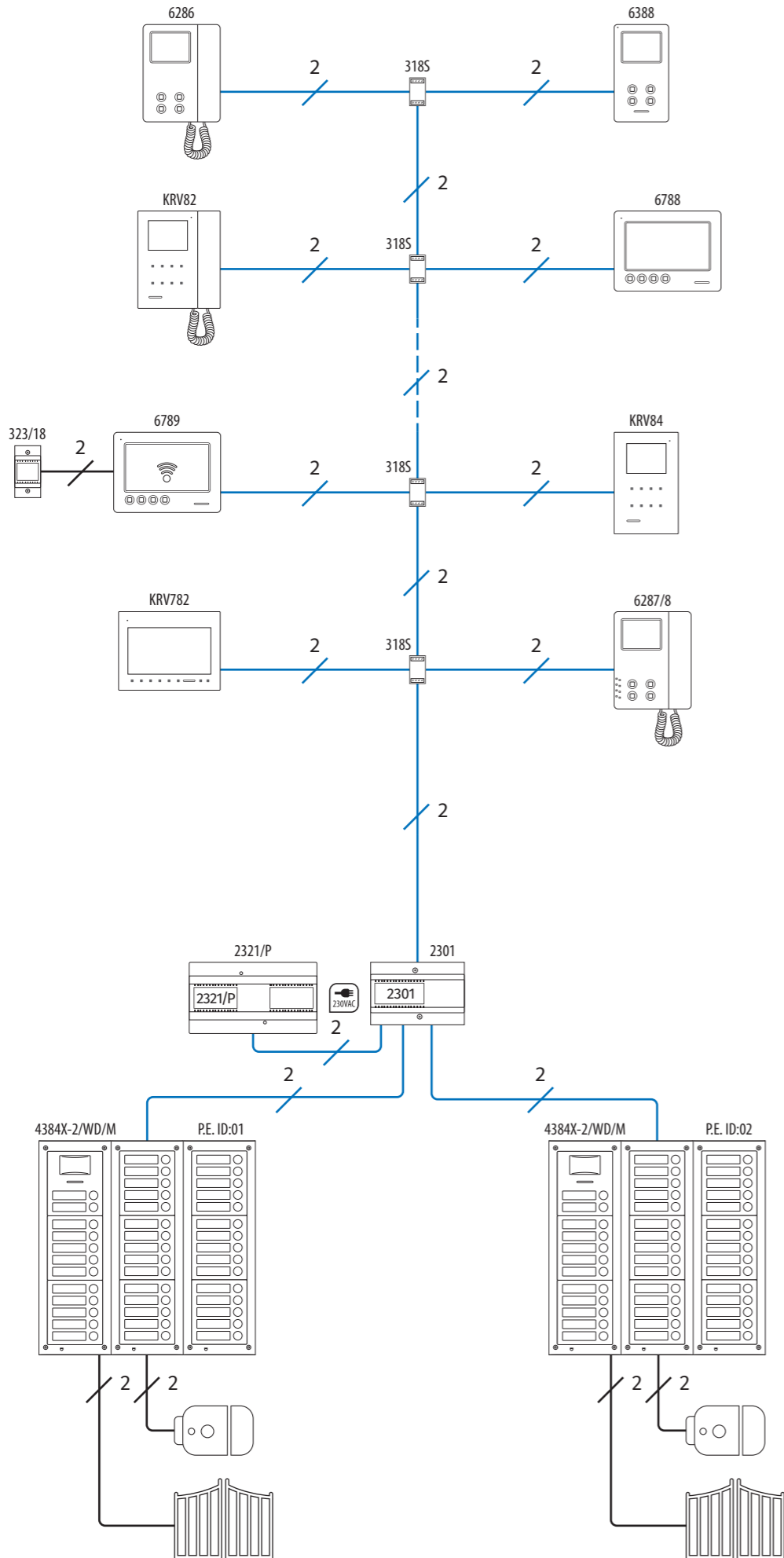


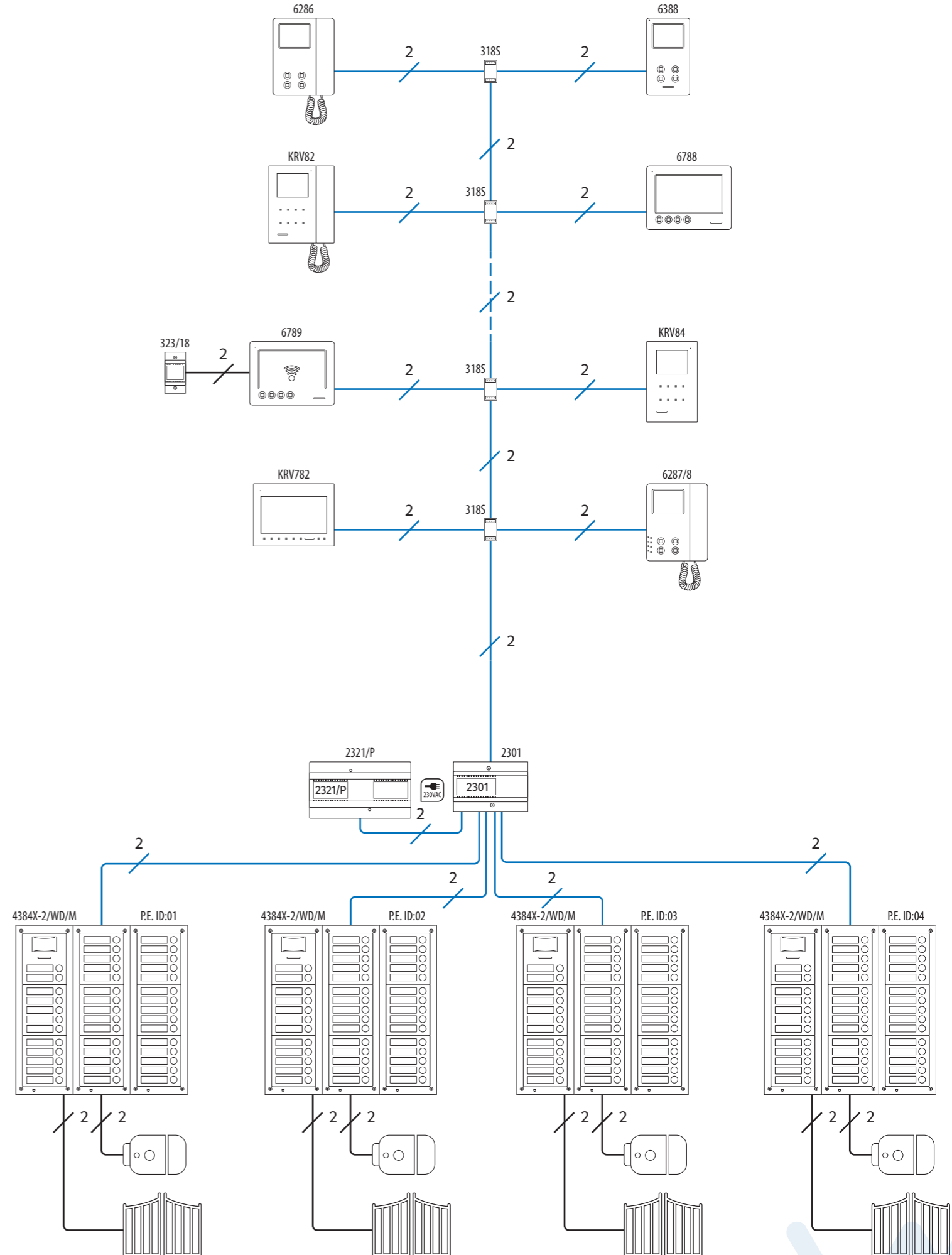
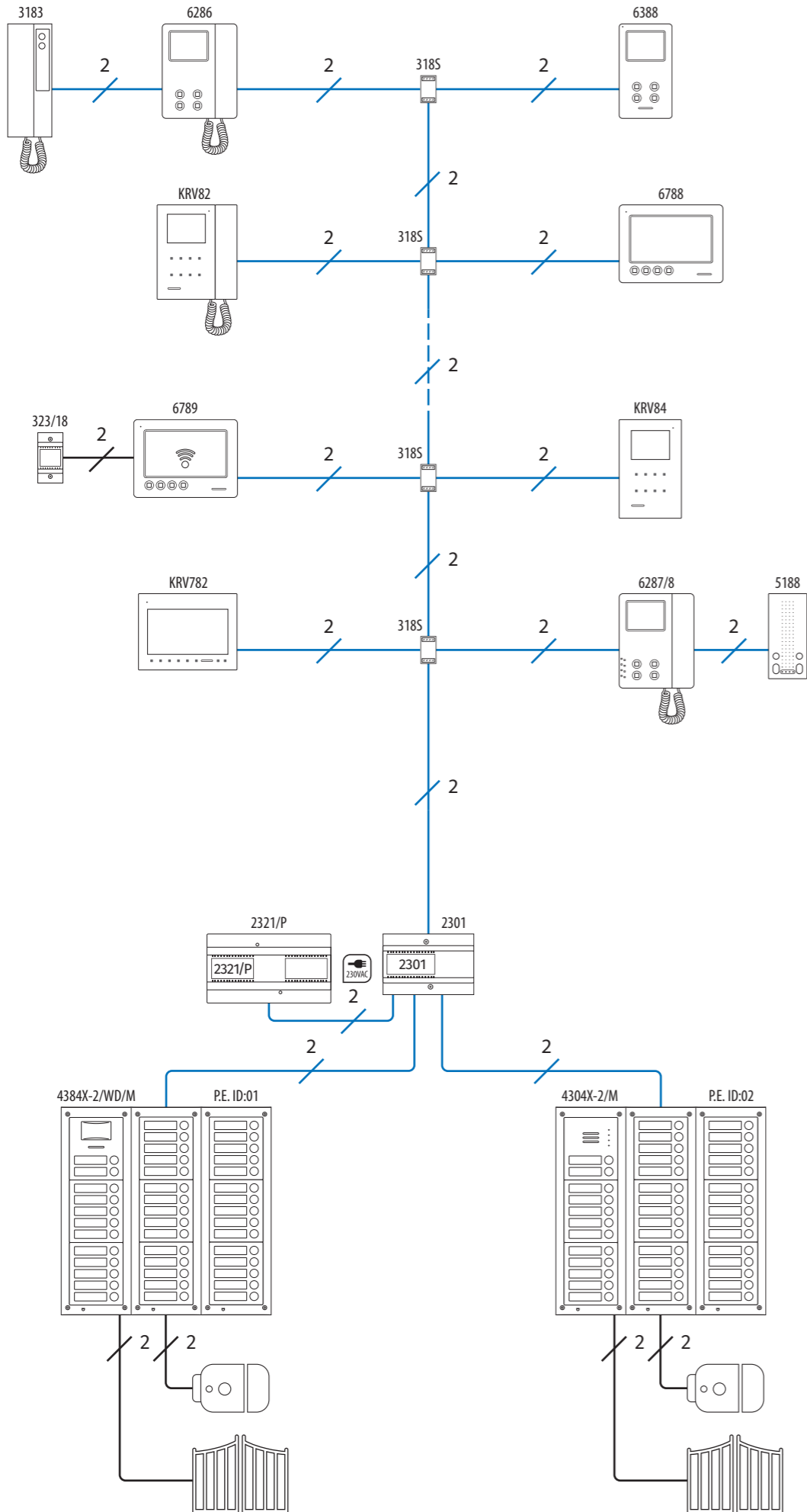
# Single-line diagrams video example





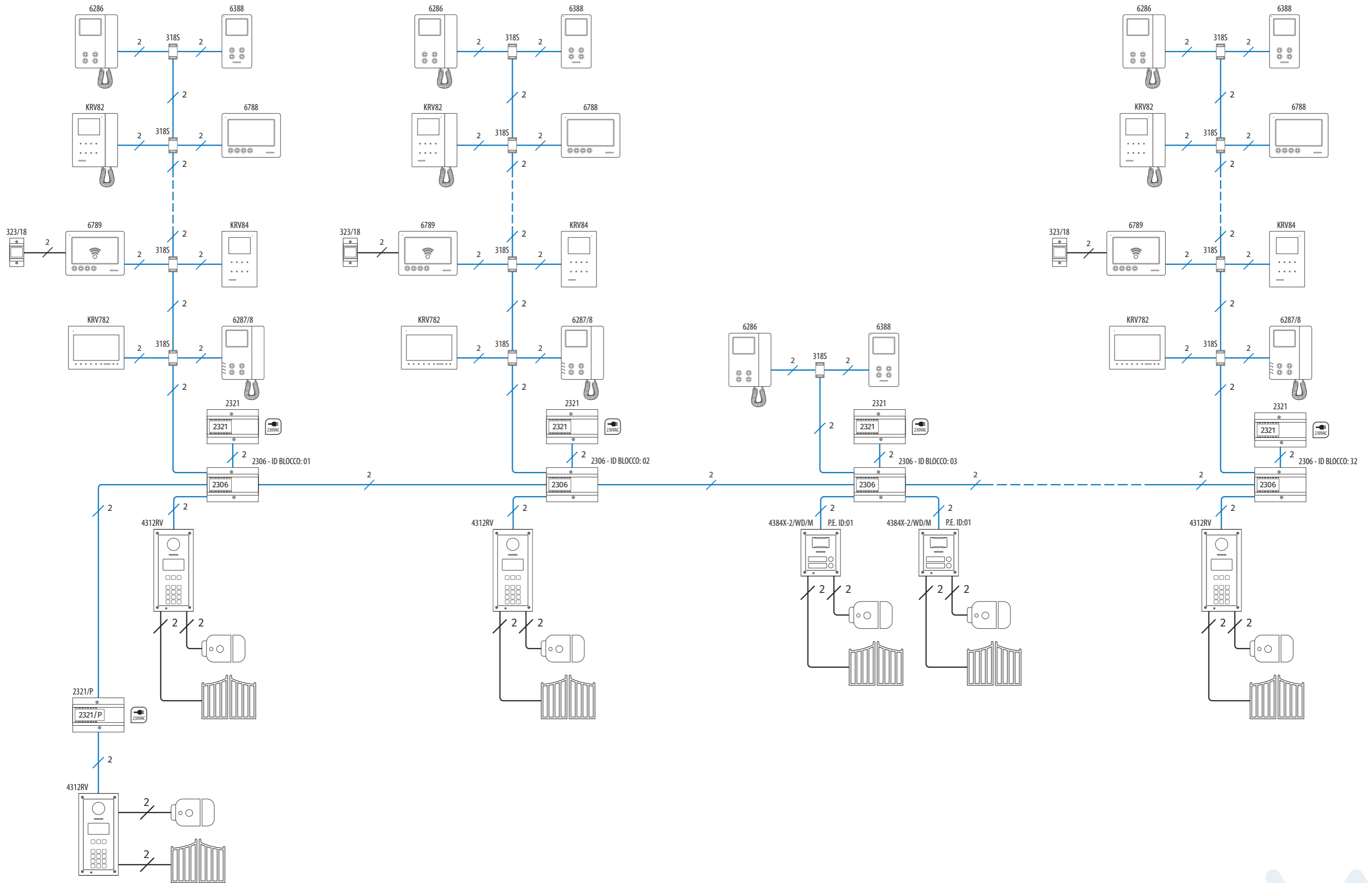




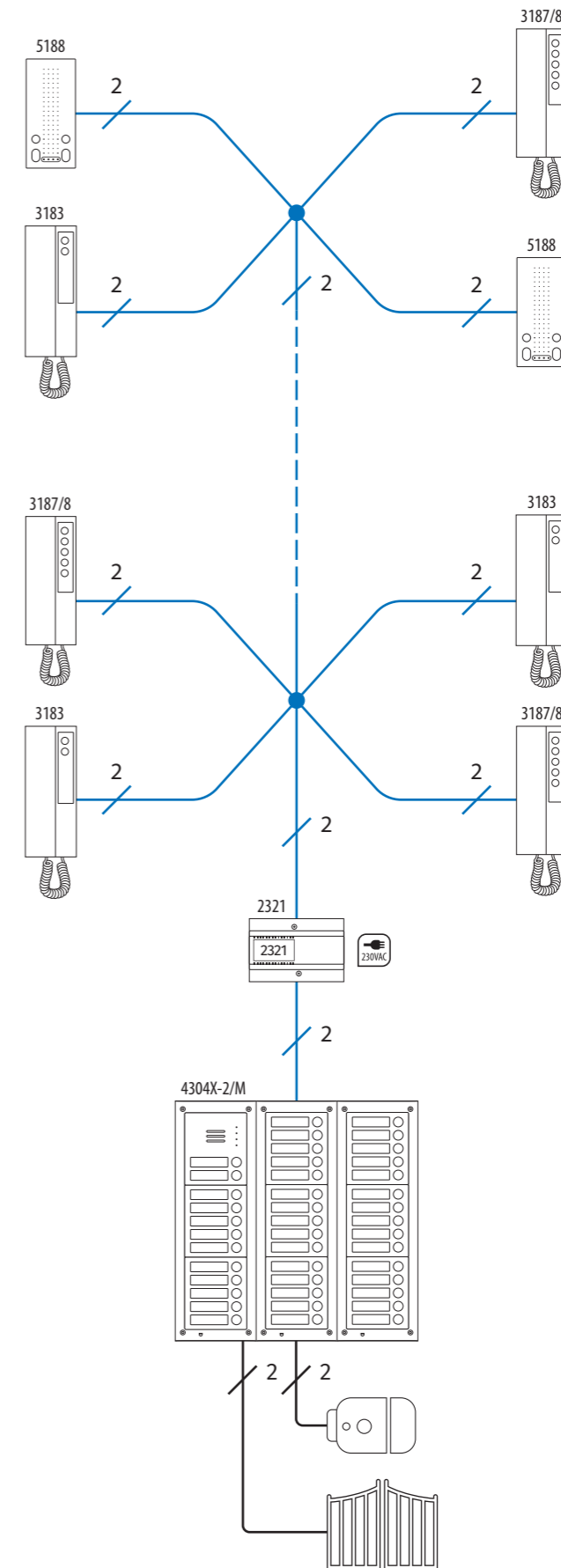


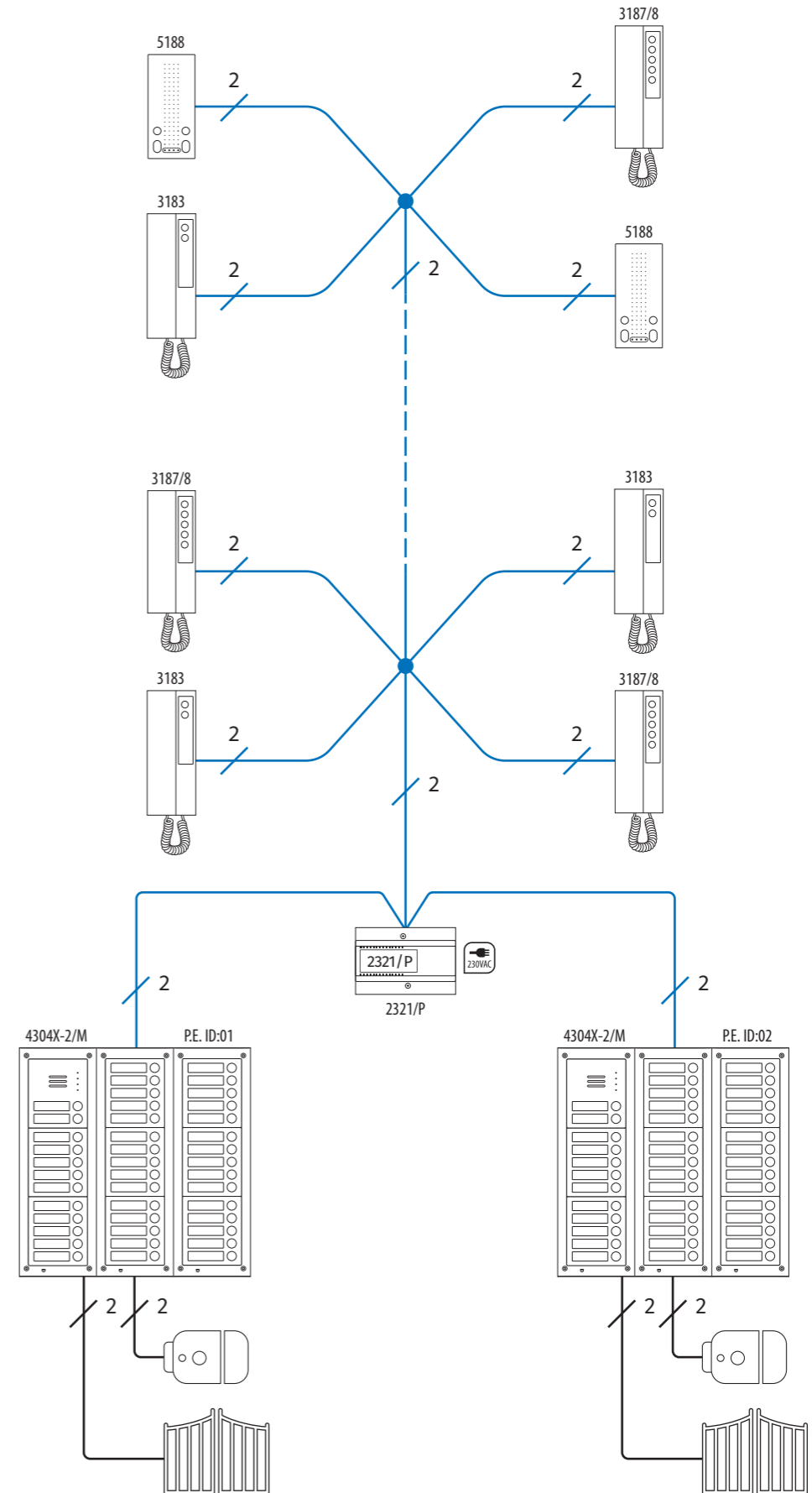
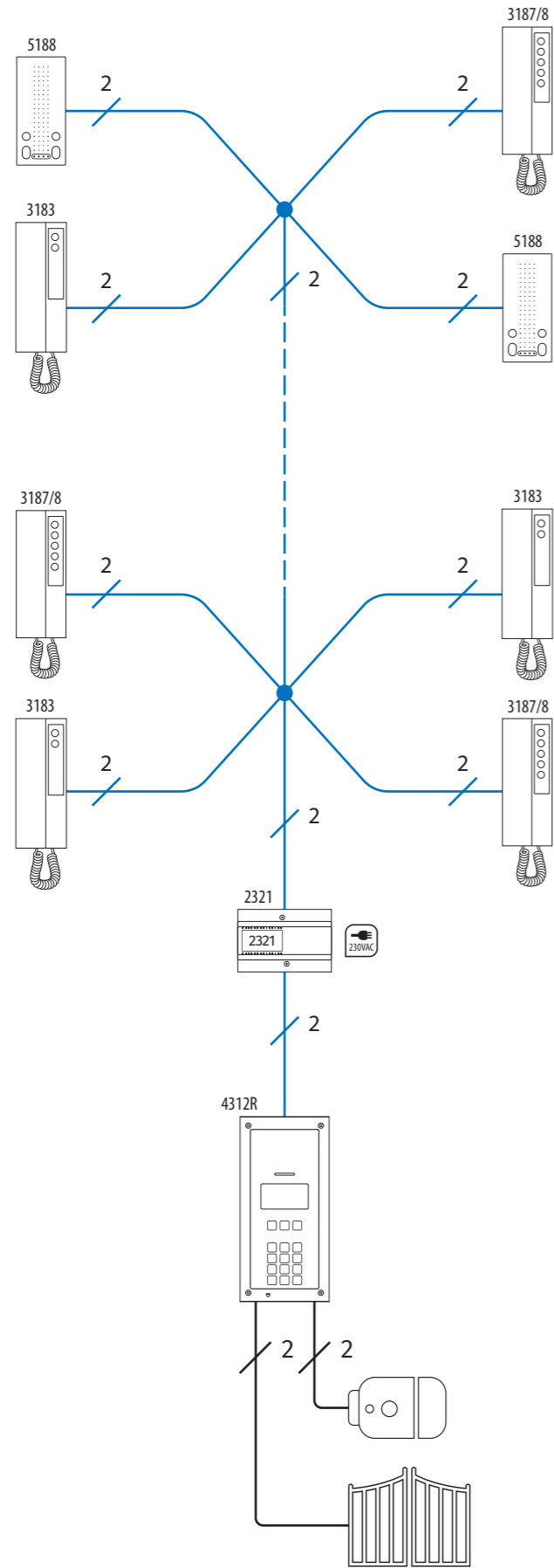




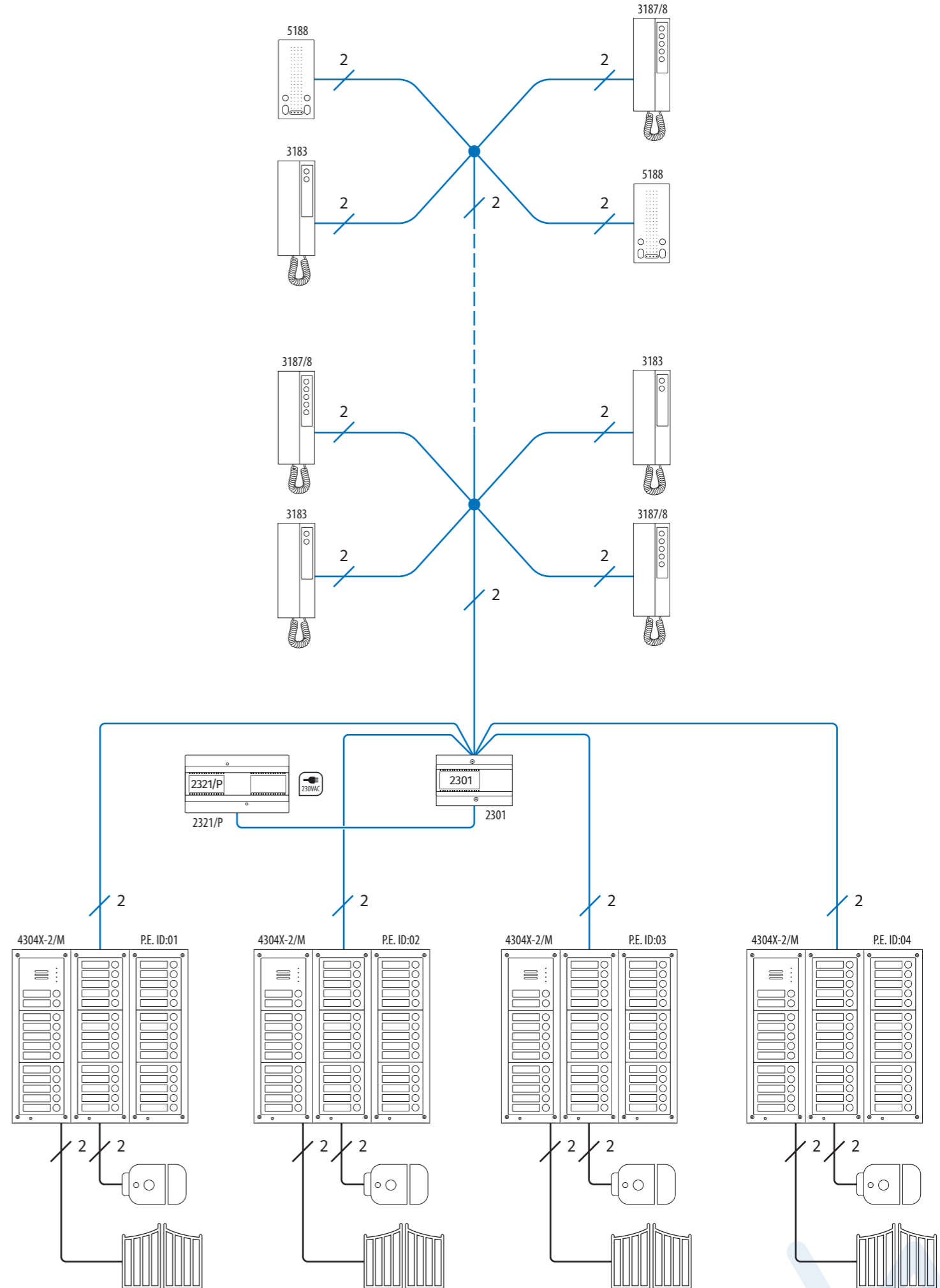
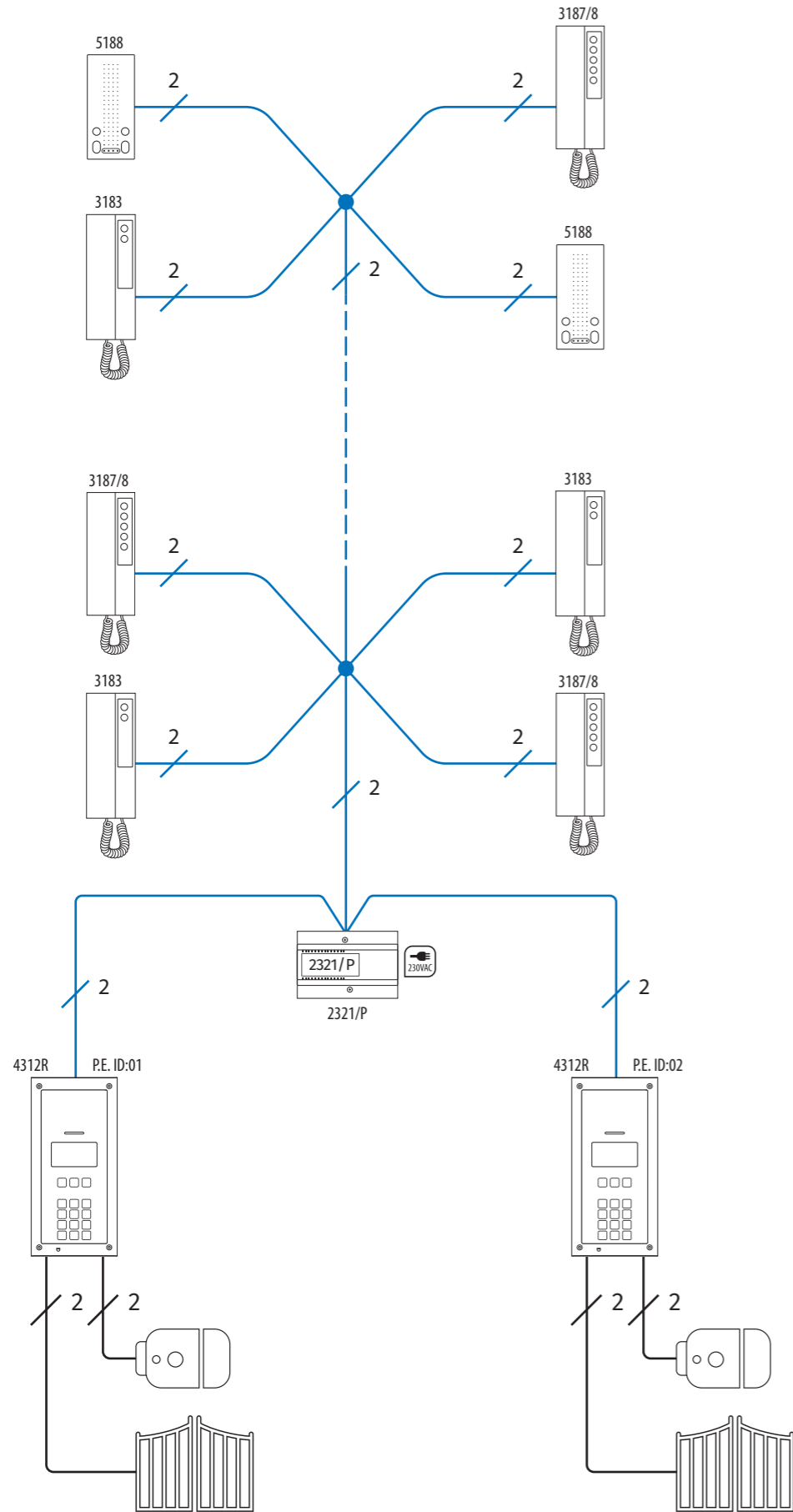


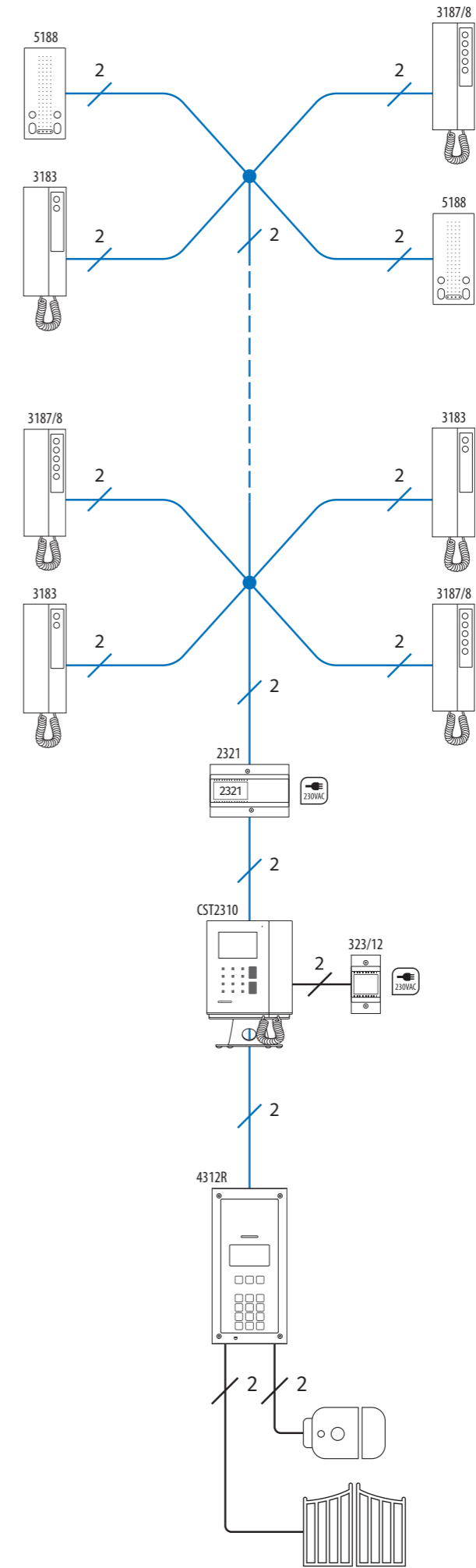
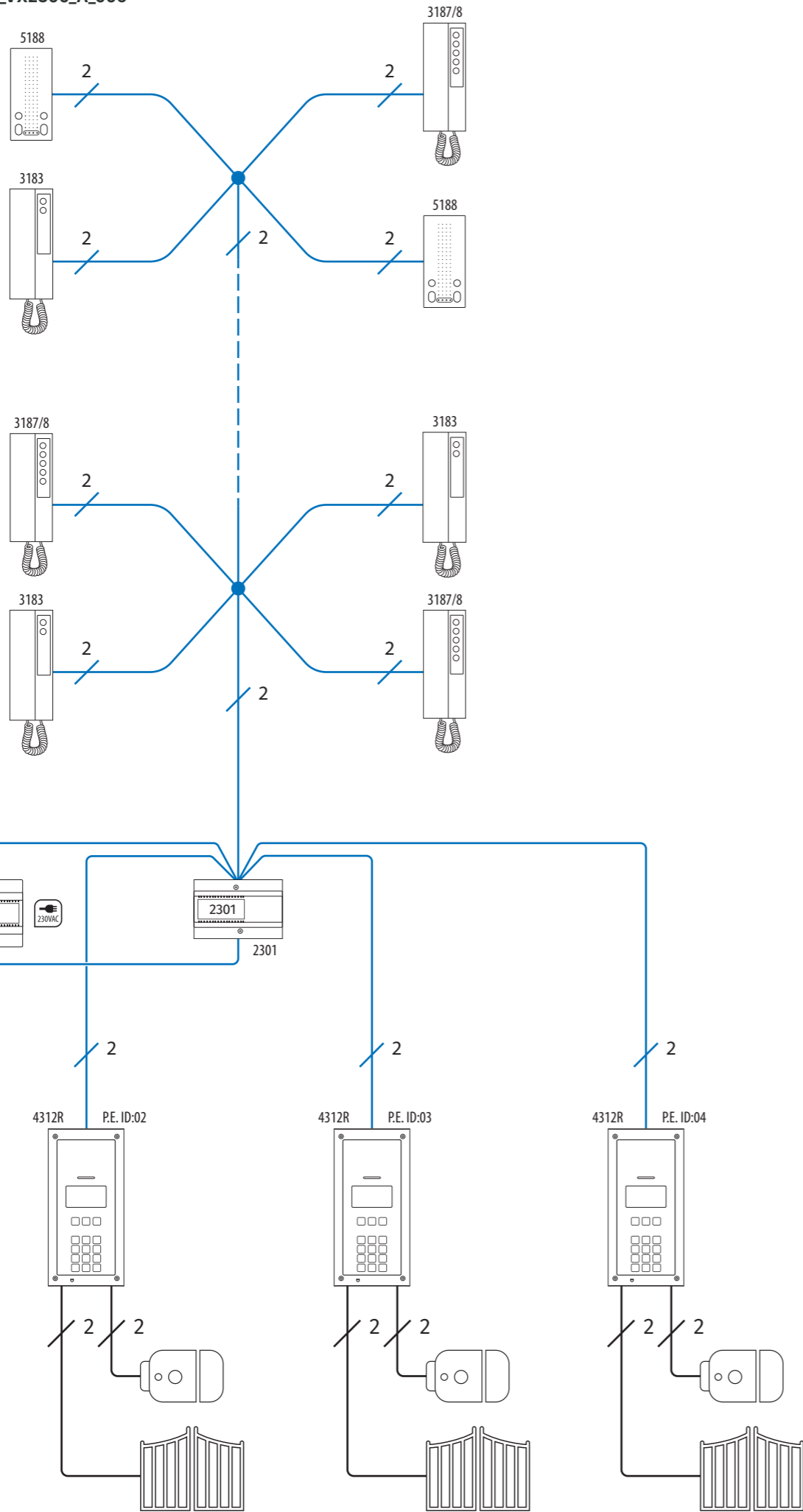
# Single-line diagrams audio example

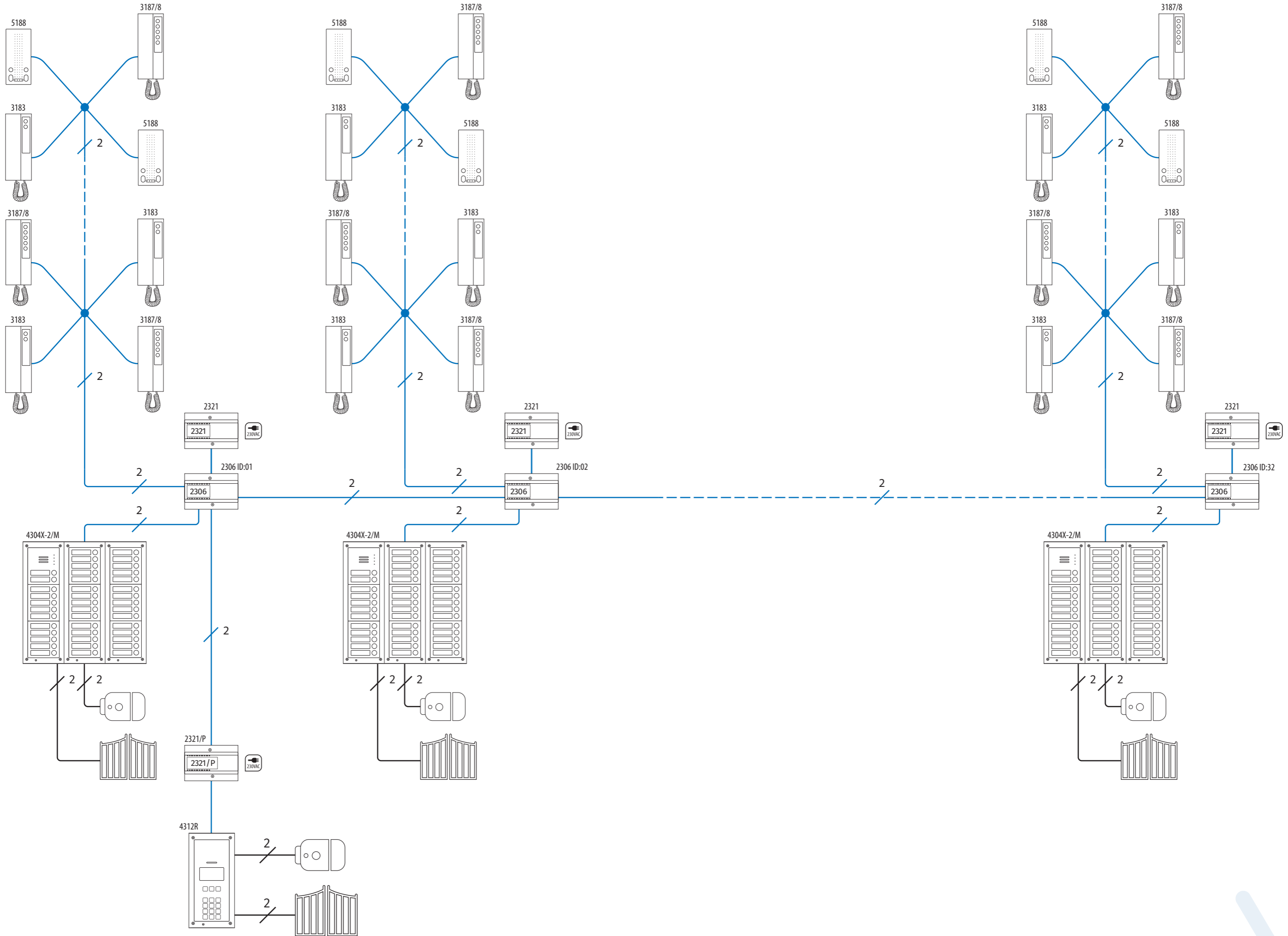










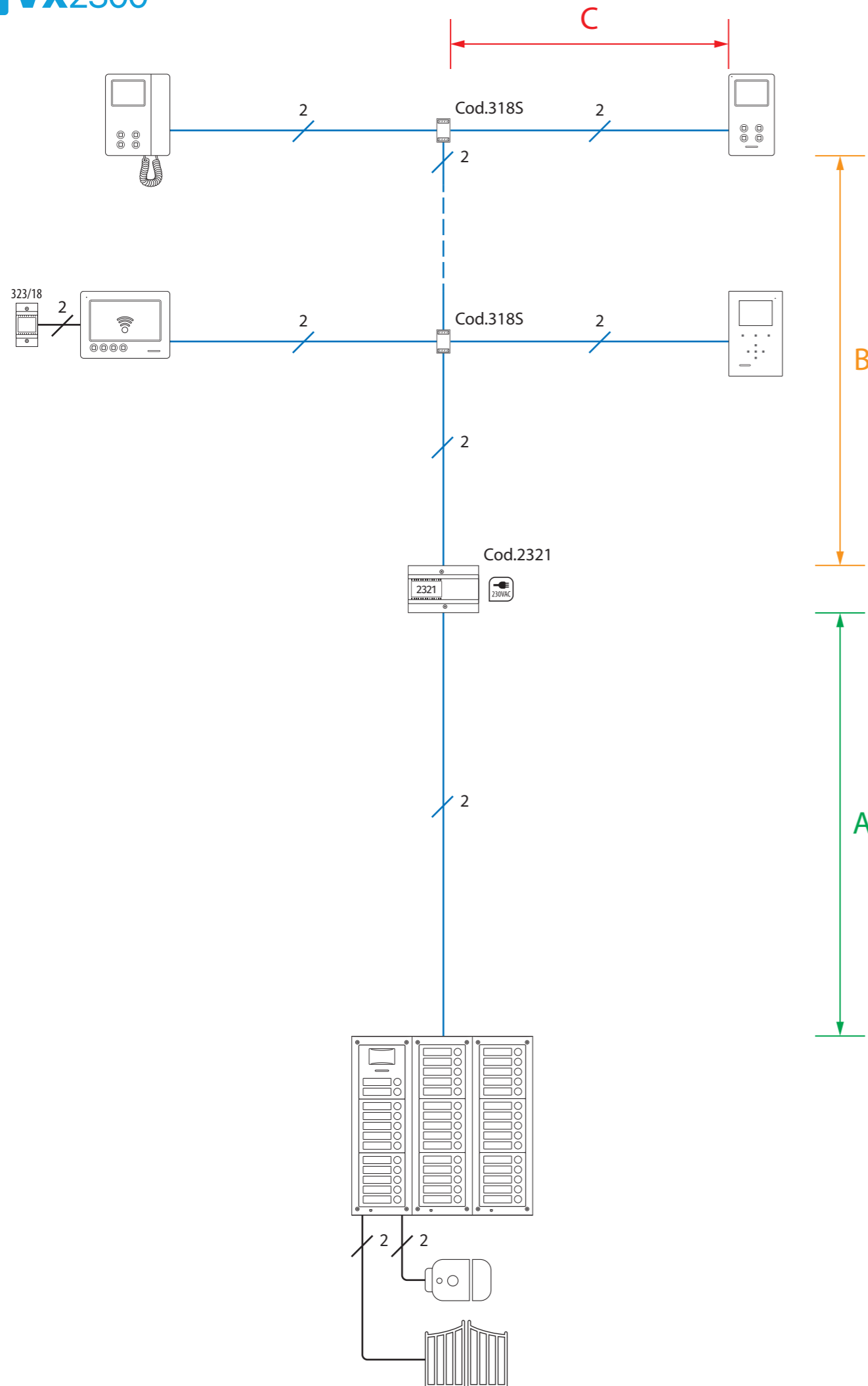




# Note

Series of horizontal dotted lines for taking notes.

# Cables and distances



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

Cable	Sect. (mm <sup>2</sup> )	Resistance <sup>(1)</sup>	Capacitance <sup>(2)</sup>	A <sup>(3)</sup>	B+C <sup>(3)</sup>	A+B+C <sup>(4)</sup>	Max Cable <sup>(5)</sup>
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

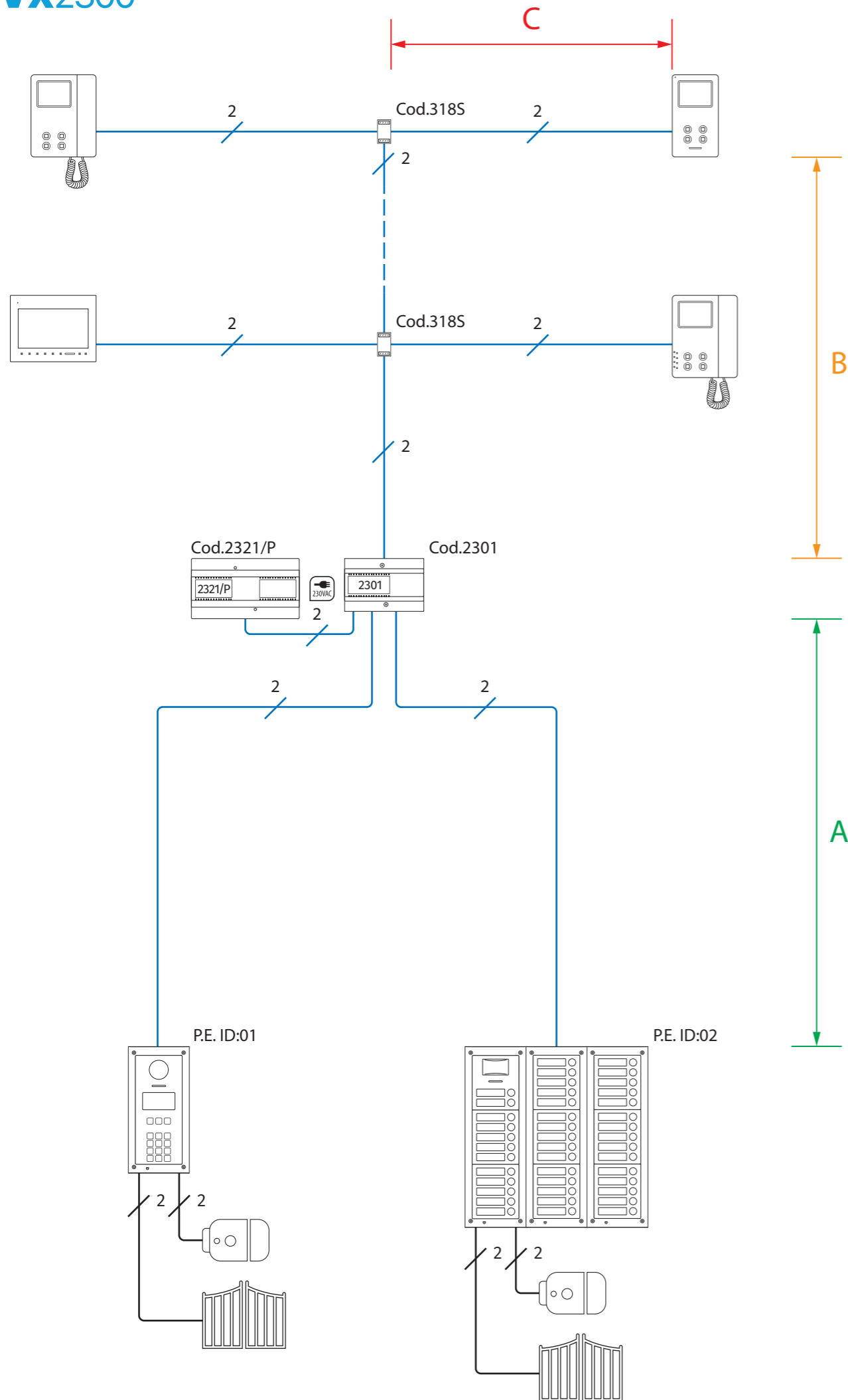
**Distance table with active distribution of the video signal (317/319)**

Cable	Sect. (mm <sup>2</sup> )	Resistance <sup>(1)</sup>	Capacitance <sup>(2)</sup>	A <sup>(3)</sup>	B <sup>(3)</sup>	C <sup>(3)</sup>	A+B+C <sup>(4)</sup>	Max Cable <sup>(5)</sup>
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 <sup>2</sup> )	Resistance <sup>(1)</sup>	Capacitance <sup>(2)</sup>	A <sup>(3)</sup>	B+C <sup>(3)</sup>	A+B+C <sup>(4)</sup>	Max Cable <sup>(5)</sup>
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)**

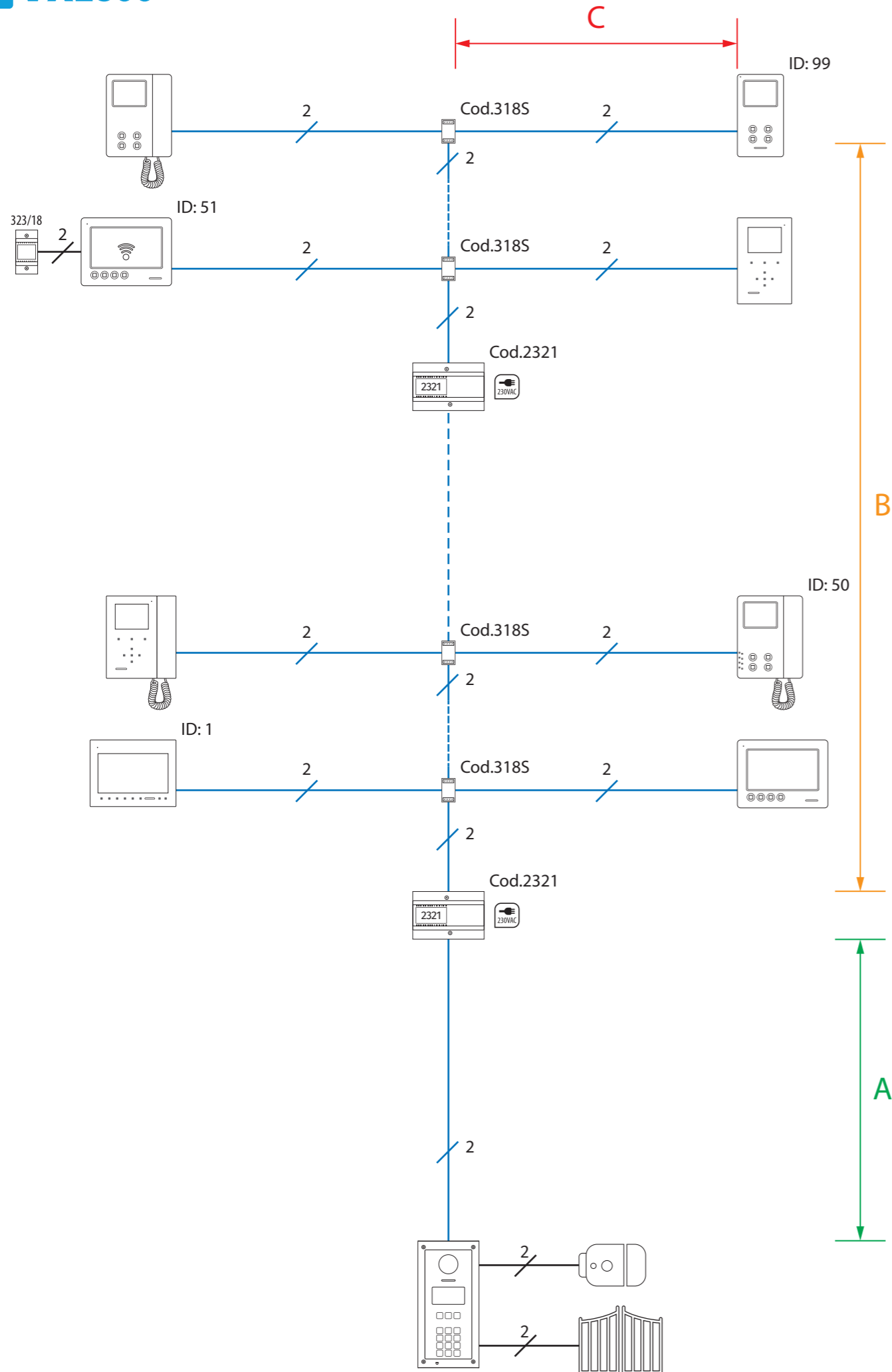
Cable	Sect. (mm <sup>2</sup> )	Resistance <sup>(1)</sup>	Capacitance <sup>(2)</sup>	A <sup>(3)</sup>	B <sup>(3)</sup>	C <sup>(3)</sup>	A+B+C <sup>(4)</sup>	Max Cable <sup>(5)</sup>
Videx cm2	1.00	2.5Ω	5.0nF	200	200	50	800	800
Telephone	0.28	6.5Ω	5.5nF	100	100	40	300	800
UTP Cat.5 (only one pair)	0.22	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 <sup>2</sup> )	Resistance <sup>(1)</sup>	Capacitance <sup>(2)</sup>	A <sup>(3)</sup>	B+C <sup>(3)</sup>	A+B+C <sup>(4)</sup>	Max Cable <sup>(5)</sup>
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

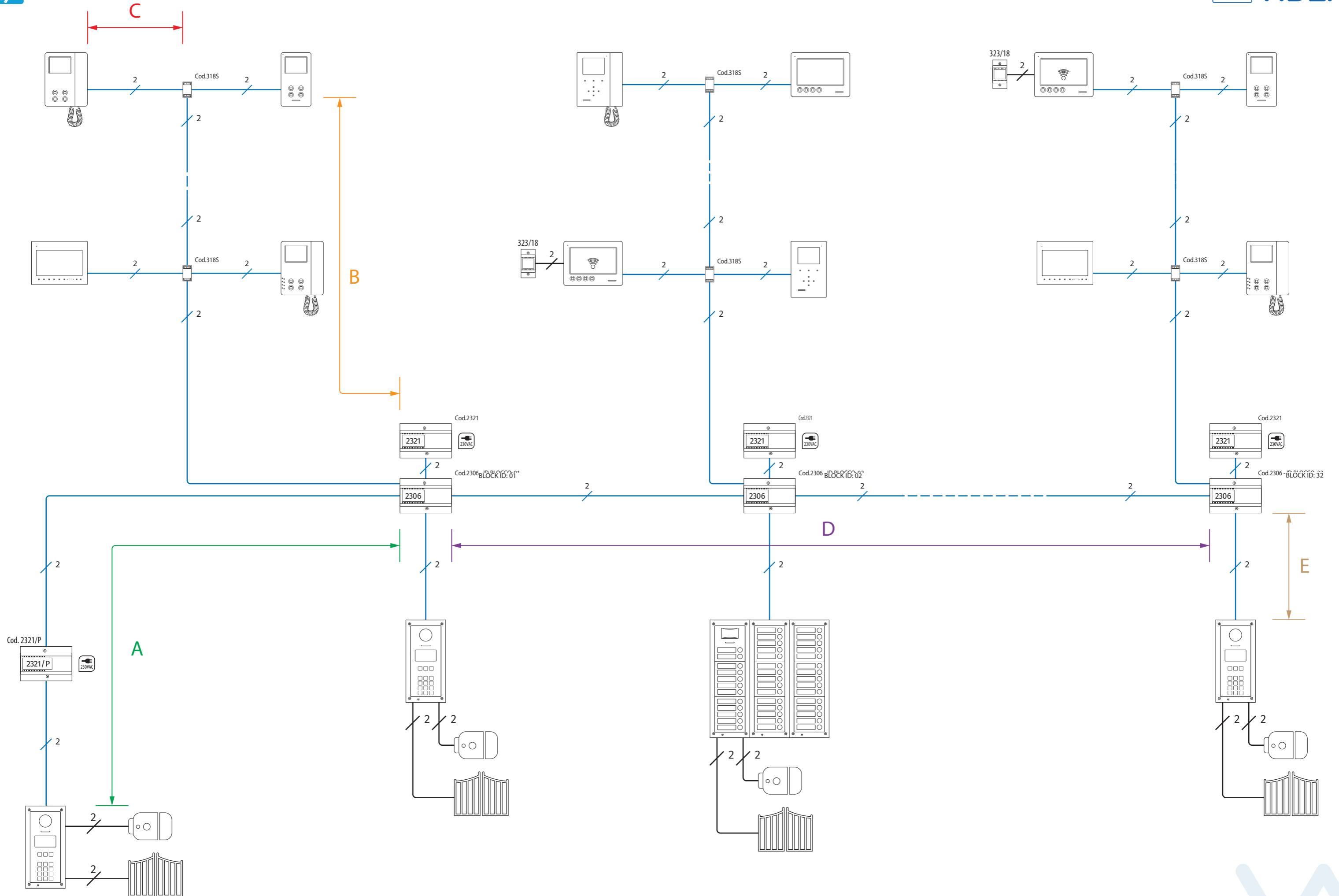
**Distance table with active distribution of the video signal (317/319)**

Cable	Sect. (mm <sup>2</sup> )	Resistance <sup>(1)</sup>	Capacitance <sup>(2)</sup>	A <sup>(3)</sup>	B <sup>(3)</sup>	C <sup>(3)</sup>	A+B+C <sup>(4)</sup>	Max Cable <sup>(5)</sup>
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.





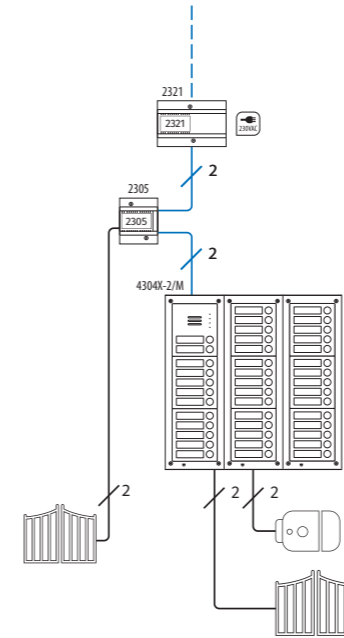
# Single-line examples special applications

## System: audio

Type of Outdoor Station: Modular push-button panel

Application: Relay 2305 for activation of second clean contact output

SLD\_VX2300\_AS\_001

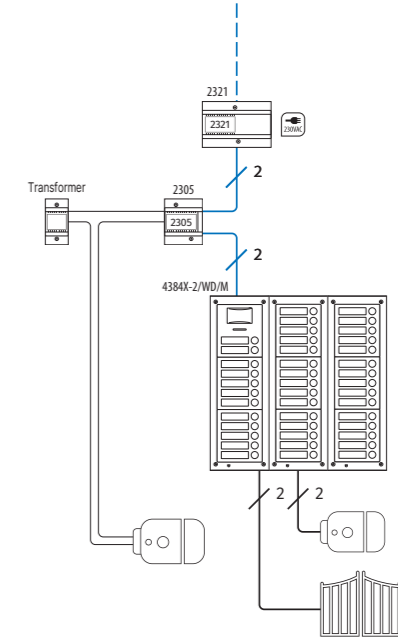


## System: audio/video

Type of Outdoor Station: Modular push-button panel

Application: Relay 2305 for activation of second powered lock

SLD\_VX2300\_AS\_001A

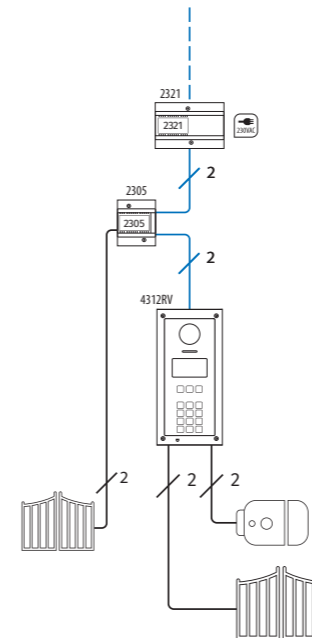


## System: audio/video

Type of Outdoor Station: Digital panel

Application: Relay 2305 for activation of second clean contact output

SLD\_VX2300\_AS\_002

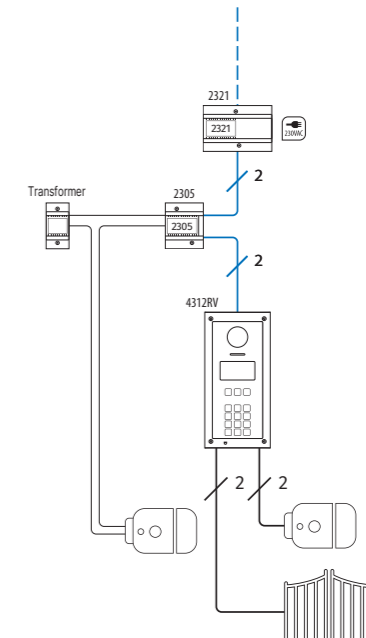


## System: audio/video

Type of Outdoor Station: Digital panel

Application: Relay 2305 for activation of second powered lock

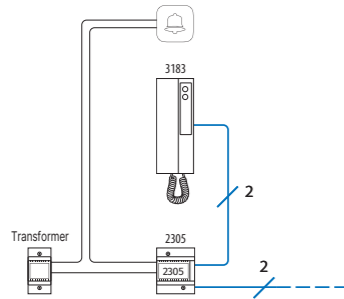
SLD\_VX2300\_AS\_002A





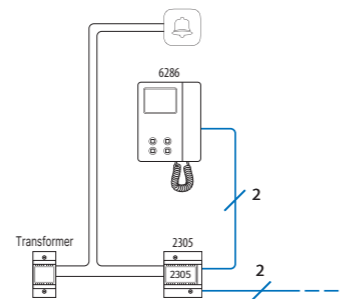
**System: audio**

**Type of Indoor Station:** Intercom  
**Application:** Relay 2305 for powered ringtone activation  
**SLD\_VX2300\_AS\_003**



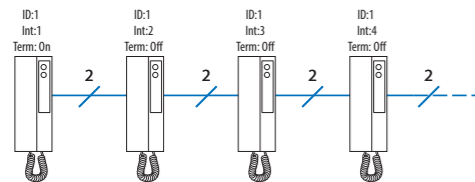
**System: video**

**Type of Indoor Station:** Video intercom  
**Application:** Relay 2305 for powered ringtone activation  
**SLD\_VX2300\_AS\_004**



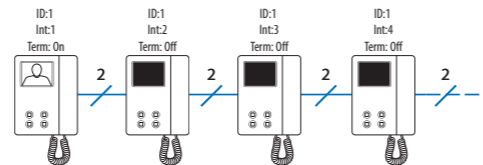
**System: audio**

**Type of Indoor Station:** Intercom  
**Application:** Multiple intercoms with same ID  
**SLD\_VX2300\_AS\_005**



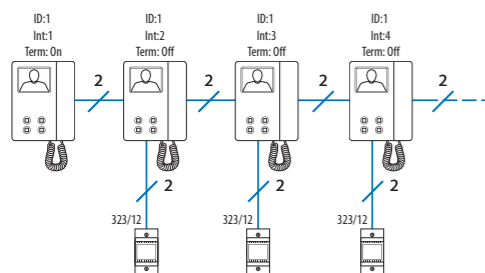
**System: video**

**Type of Indoor Station:** Video intercom  
**Application:** Multiple videophones with same ID (One master with picture preview when called)  
**SLD\_VX2300\_AS\_006**



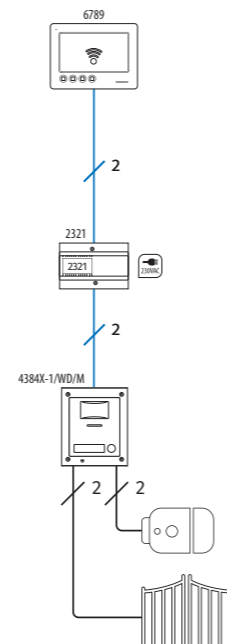
**System: video**

**Type of Indoor Station:** Video intercom  
**Application:** Multiple videophones with same ID (All with picture preview when called)  
**SLD\_VX2300\_AS\_007**



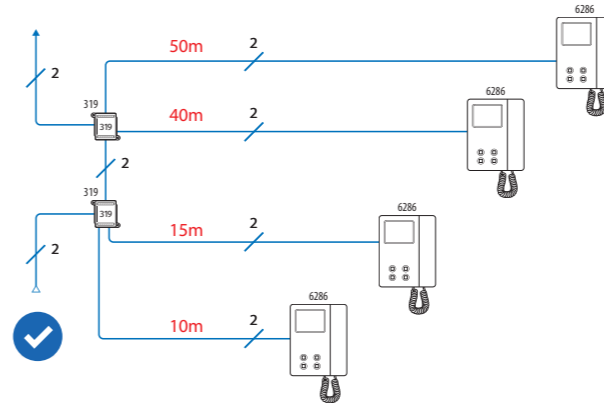
**System: video**

**Type of Indoor Station:** Video intercom  
**Application:** Wi-Fi Monitor Powered by BUS  
**SLD\_VX2300\_AS\_008**

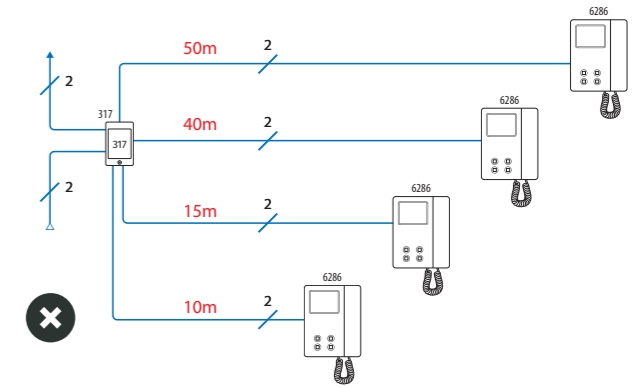


**System: video**

**Type of Indoor Station:** Video intercom  
**Application:** Suggested video distribution  
**SLD\_VX2300\_AS\_009**



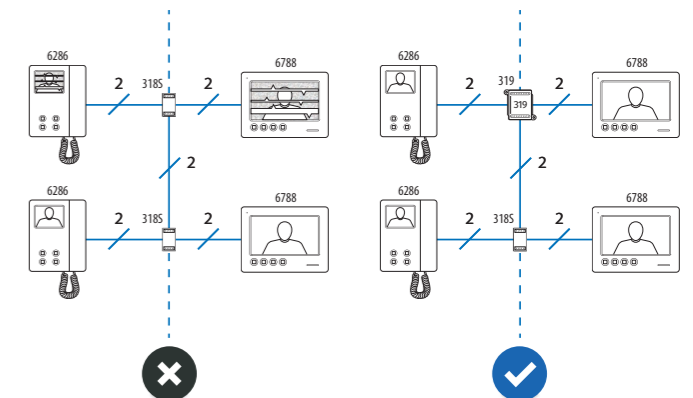
This example explains that in the presence of uneven distances between the distributor and the internal station, it is advisable to use 2-way distributors by linking the devices with similar distances.



**System: video**

**Type of Indoor Station:** Video intercom  
**Application:** Suggested video distribution  
**SLD\_VX2300\_AS\_010**

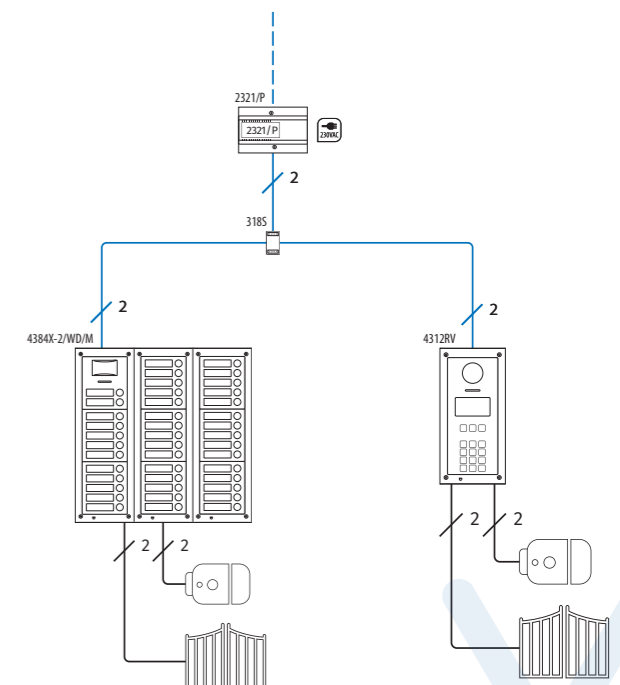
In the presence of degradation of the video signal, it is recommended to install active distributors along the column. **Warning!** The active video distributor is effective only when the incoming signal is still of good quality.



**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

Users	Audio/video modules			Dummy / info modules	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

Flush kit			Power supply	Distributor	3.5" handset monitor	3.5" hands-free monitor	7" hands-free monitor	7" connected monitor
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

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).

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

Users	4304X-0/M	4304X-1/M	4304X-2/M	4840/M · 4846/M	4043/M	4044/M	4045/M	CFL45
	Audio Modules			Dummy / info modules	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

4851	4852	4853	2321	3183	5188
Flush kit			Power supply	Intercom with handset	Hands-free intercom
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

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.

# Alphanumeric list

Code	Description	Page.
2208	Programming Kit	51
2209	Programming Kit	51
2301	Audio/Video input exchanger	48
2305	Relay module	49
2306	Audio/video block exchanger	49
2313	Remote relay module	49
2321	Audio/Video power supply	48
2321/P	High Performance audio/video power supply	48
2322	Power converter	49
2380	Phone device interface	50
3038	Table base for 3183 and 3187/8	28
317	Active 4-output video distributor	50
3183	Intercom with handset	27
3187/8	Video intercom with handset - 5 buttons	27
318S	Passive 2-output video distributor	50
319	Active 2-output video distributor	50
323/12	Power supply 12V	49
323/18	Power supply 18 V	49
380N	Telephone interface	50
4042D/M	4-button call module on two columns common to all systems	35
4043/M	3-button call module common to all systems	35
4043D/M	6-button call module on two columns common to all systems	35
4044/M	4-button call module common to all systems	35
4044D/M	8-button call module on two columns common to all systems	36
4045/M	5-button call module common to all systems	35
4045D/M	10-button call module on two columns common to all systems	36
4304UK-0/NFP	Audio module 0 buttons for VX2300 system	47
4304X-0/M	Audio module 0 buttons for VX2300 system	33
4304X-1/M	Audio module 1 button for VX2300 system	33
4304X-2/M	Audio module 2 buttons for VX2300 system	33
4312	Vandal resistant digital audio module for VX2300 system	31
4312R	Vandal resistant digital audio module with electronic address book for VX2300 system	31
4312RV	Vandal resistant digital audio/video module with electronic address book for VX2300 system	30
4312RV/F	Vandal resistant digital audio/video single plate with electronic address book for VX2300 system	32

Code	Description	Page.
4312V	Vandal resistant digital audio/video module for VX2300 system	30
4312V/F	Vandal resistant digital audio/video single plate for VX2300 system	32
438	Push-buttons Interface	47
4384UK-0/NFP	Audio/video module 0 buttons for VX2300 system	47
4384X-0/WD/M	Audio/video module 0 buttons for VX2300 system	34
4384X-1/WD/M	Audio/video module 1 button for VX2300 system	34
4384X-2/WD/M	Audio/video module 2 buttons for VX2300 system	34
481	USB-serial Converter	51
482	Tamper Proof Switch	46
4840/M	Blanking module common to all systems	36
4846/M	Information module common to all systems	36
4850/M	Stand-alone access control module with proximity reader common to all systems	37
4850P/M	Stand-alone access control module with proximity reader common to all systems	37
4851	Flush installation for 1 module	38
4851AP	Flush installation for 1 module	38
4852	Flush installation for 2 modules	39
4852AP	Flush installation for 2 modules	39
4853	Flush installation for 3 modules	39
4853AP	Flush installation for 3 modules	39
4871	Rain shield for 1-module frame for flush installation kit	40
4871AP	Rain shield for 1-module frame for flush installation kit	40
4872	Rain shield for 2-module frame for flush installation kit	40
4872AP	Rain shield for 2-module frame for flush installation kit	40
4873	Rain shield for 3-module frame for flush installation kit	40
4873AP	Rain shield for 3-module frame for flush installation kit	40
4874	Rain shield for 4-module frame for flush installation kit	41
4874AP	Rain shield for 4-module frame for flush installation kit	41
4876	Rain shield for 6-module frame for flush installation kit	41
4876AP	Rain shield for 6-module frame for flush installation kit	41
4879	Rain shield for 9-module frame for flush installation kit	41

Code	Description	Page.
4879AP	Rain shield for 9-module frame for flush installation kit	41
4881	Surface wall installation for 1 module	42
4881AP	Surface wall installation for 1 module	42
4882	Surface wall installation for 2 modules	42
4882AP	Surface wall installation for 2 modules	42
4883	Surface wall installation for 3 modules	42
4883AP	Surface wall installation for 3 modules	42
4884	Surface wall installation for 4 modules	43
4884AP	Surface wall installation for 4 modules	43
4886	Surface wall installation for 6 modules	43
4886AP	Surface wall installation for 6 modules	43
4889	Surface wall installation for 9 modules	43
4889AP	Surface wall installation for 9 modules	43
4891	Rain shield for 1-module frame for surface kit	44
4891AP	Rain shield for 1-module frame for surface kit	44
4892	Rain shield for 2-module frame for surface kit	44
4892AP	Rain shield for 2-module frame for surface kit	44
4893	Rain shield for 3-module frame for surface kit	44
4893AP	Rain shield for 3-module frame for surface kit	44
4894	Rain shield for 4-module frame for surface kit	45
4894AP	Rain shield for 4-module frame for surface kit	45
4896	Rain shield for 6-module frame for surface kit	45
4896AP	Rain shield for 6-module frame for surface kit	45
4899	Rain shield for 9-module frame for surface kit	45
4899AP	Rain shield for 9-module frame for surface kit	45
4901/M	Stand-alone access control module with numeric keypad common to all systems	37
4902/M	1000 code stand-alone access control module with numeric keypad common to all systems	37
5138	Table base for 5188	28
5188	Full-duplex speakerphone intercom	27
6286	3.5" video intercom with handset	24
6287/8	3.5" video intercom with handset - 8 buttons	24
62931	Table base for 6286 and 6287/8	28
63931	Table base for 6388	28
6388	Full-duplex 3.5" video intercom with speakerphone	25
6788	Full-duplex 7" video intercom with speakerphone	24
6789	7" Connected video intercom full-duplex audio speaker	24

Code	Description	Page.
67931	Table base for 6789 and 6788	28
955/C	Proximity card	46
955/T	Proximity key	46
955MF/C	Mifare proximity card	46
955MF/T	Mifare proximity key	46
CFL45	Ribbon cable	46
CM2	High-performance 2-wire cable	51
CST2310	Concierge switchboard for VX2300 system	50
FB01	Flush box 1 module	38
FB02	Flush box 2 modules	38
FB03	Flush box 3 modules	38
HDR-15-12	Power Supply	48
KRV782/B	Full-duplex 7" video intercom with speakerphone	26
KRV782/W	Full-duplex 7" video intercom with speakerphone	26
KRV7931	Table base for KRV782/W-B	28
KRV7981	Flush installation box for KRV782/W-B	29
KRV82/B	3.5" video intercom with handset	25
KRV82/W	3.5" video intercom with handset	25
KRV7983	Flush installation box for KRV782/W-B	29
KRV84/B	3.5" flush full-duplex speakerphone	26
KRV84/W	3.5" flush full-duplex speakerphone	25
KRV7985/B	Wall installation kit for KRV782/B	29
KRV7985/W	Wall installation kit for KRV782/W	29
KRV931	Table base for KRV82/W-B	28
KRV981	Flush installation box for KRV84/W-B	29
KRV983	Flush installation box for KRV84/W-B	29
VR4KBLM	Vandal resistant blanking module common to all systems	36
VR4KIFM	Vandal resistant information module common to all systems	36



# Terms and Conditions of Sale

## 1) Definitions

In this document the following words shall have the following meanings:

- a. "Buyer" means the organisation or person who buys Goods;
  - b. "Goods" means the items to be supplied to the Buyer by the Seller;
- Videx Electronics S.p.A. will be hereafter called "Videx".

## 2) General Conditions

Any variation to these Terms and Conditions (including any special terms and conditions agreed between the parties) shall be inapplicable unless agreed in writing by Videx.

## 3) Orders

Any order sent to Videx implies the Buyers acceptance of all the conditions listed into this document. Purchases are finalized when the Buyer receives the order confirmation from Videx. After this confirmation, the order cannot be cancelled unless Videx explicitly agrees in writing.

## 4) Prices

Price list is to be considered variable as it is subject to variations in production costs which are outside of the control of Videx. Unless otherwise agreed in writing, prices shall be considered ex-works.

## 5) Retention of Title

Title to the Goods shall not pass to the Buyer until Videx has been paid in full for the Goods.

## 6) Returned Goods

Returned Goods will not be authorized unless agreed in writing by Videx. Authorized Goods will be accepted only if intact and in their original packaging. Goods not included in the price lists in force will not be accepted.

## 7) Liability

- a. Videx will not be held responsible for damages arising from incorrect installations which do not comply with the specifications provided or for installations carried out by third parties, or for works carried out by third parties on behalf of the Buyer;
- b. Videx will make good, by repair or by supply of a replacement, defects which, under proper use, appear in the Goods within a period of 12 months after the Goods been sold and arise solely from faulty design, materials or workmanships; always provided that the defective parts have been acknowledged and so declared by Videx;
- c. Videx does not acknowledge any compensation for direct or indirect damages;
- d. All goods must be returned to Videx at Buyer's own expenses, until such time as these are tested Videx admits no liability for their condition;
- e. Videx admits no liabilities for defective parts caused by wear and tear;
- f. All Goods returned for repair must be accompanied by a note in writing stating the nature of the defect claimed, the date of purchase, the invoice number and should be clearly marked with the returning purchaser's full address;
- g. Any returned Goods claimed to be faulty by the Buyer and consequently tested and found to be working correctly by Videx, will be returned to the Buyer and a cost will be charged accordingly.

## 8) Payment

Unless agreed in writing by Videx, the following general conditions apply:

- a. Payment Terms and Conditions will be specified on the invoice;
- b. Interest rates as per the banking conditions effective at the time will be charged on top of overdue payments;

## 9) Governing Law and Jurisdiction

This Agreement shall be governed by and construed in accordance with the laws of the Republic of Italy. All the disputes arising out of or in connection with this Agreement shall be submitted to the exclusive jurisdiction of the Courts of Fermo (Italy).



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