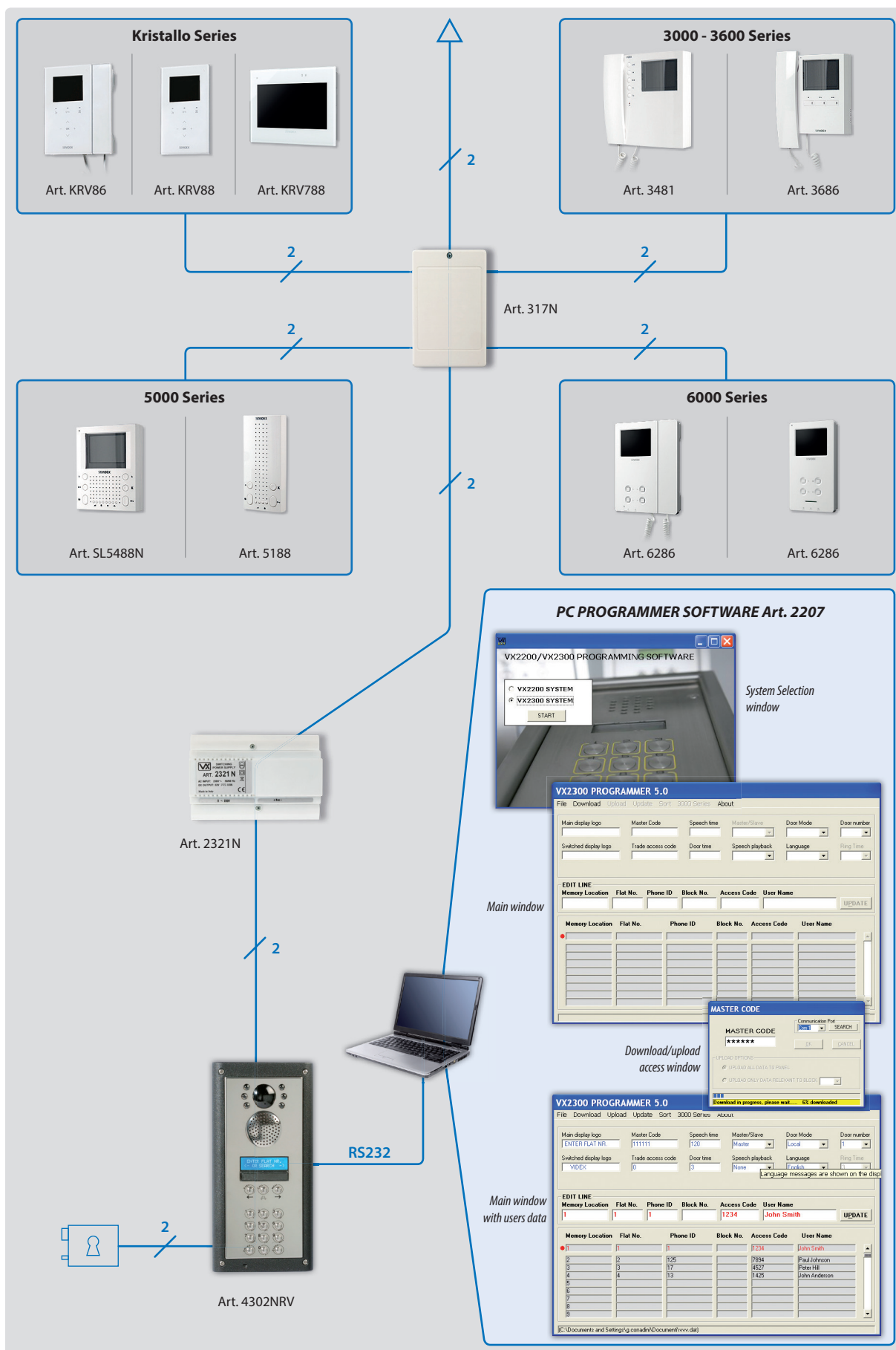




## Digital System "Two wire" BUS video

### **VX2300 DIGITAL SYSTEM**

Videx Vx2300 system is the latest digital system of the range which holds all the knowhow and expertise the company has gained in the field.

Thanks to the common bus, made of two non-polarized wires only, it is possible to carry out installations with one or more entrances on the same floor, or with main and secondary entrances on different floors (up to a maximum of 16 outdoor stations).

The outdoor stations specific for this system are those from the 4000 Series; this range includes both traditional speaker units with inbuilt functional to digital (for installations up to 64 users) and digital panels (suitable for systems with more than 64 users).

Traditional speaker unit modules with functional to digital allow to connect traditional call buttons (max 64) to the digital system, while digital panels, although they have the same size as two modules, can handle up to 800 apartments/1000 users.

Digital panels are available for both audio and video versions.

Digital panels, which allow to have small size outdoor stations, (2 modules for 4000 Series audio and audio/video systems), can also work as access control devices, (each apartment/user recorded in memory a unique code for "door open"), and other functions can give indications about the system working, such as speech board (a voice guidance helps you about the operations you are making), or messages on the display, or the repertory name facility ("R" version digital panels allow you to search for the name you wish to call through their special research buttons).

The programming of these digital panels can be done both through their keypad and through a PC (using a programming software and a cable).

Indoor units can be selected from a large range of intercoms and videophones for VX2300 digital system, that is 3000, 5000 Series and even the brand new 3600 Series.

Videx Vx2300 digital system is always expanding and updating, among the new units for this system you can find Art. 3686, a new colour videophone from the 3600 Series.

Also, a complete range of accessories are available for the VX2300 digital system such as: Bus relay (that works as a service relay in order to obtain up to 8 additional services or as sounder extension in order to connect external sounders for calls), bus amplifier (to extend the distance covered by the installation by amplifying the bus line), entrances switch Art. 2301N (to combine up to 4 entrances on the same floor, and up to 8 by using 2 units), block exchanger (which allows to carry out installations with main and secondary entrances) and interface for Art. 380 (which allows to answer the calls coming from the outdoor station with a normal phone).

### **MAIN FEATURES:**

- 2 wire none polarity conscious BUS
- Distance up to 50 meters using standard telephone cable and up to 200 meters using Videx supplied cable. (it is meant as the maximum distance between the power supply and the furthest outdoor station or videophone).
- Multiple entrance systems with up to 16 audiovideo door panels among main and secondary entrances (not exceeding a max number of 8 door panels on the same level).
- Digital or functional door panels.
- All digital door panels incorporate speech annunciation of call progress and error messages and the ability for all users to have their own unique access code. The access code can have up to six digits and is blind to onlookers (panels are programmable from PC or door panel).
- System size up to maximum 100 devices (intercom/videophone) for installations with main entrances only or 100 devices for each block for installations with main and secondary entrances (Max 8 block exchangers in the same system for a max total of 800 devices).
- Up to 4 devices (intercom/videophone) in the same apartment (the maximum device amount allowed must not be exceeded).
- Intercommunication allowed between devices within the same apartment or between devices in different apartments.
- Local door bell facility.
- Active video isolation splitter.
- Bus relay module for extra services (up to 8) or to connect to extension sounder.
- Telephone interface.
- Block exchanger for installations with main and secondary entrances.
- Bus booster.
- Electric lock or other devices powered from the door panel.

### MAIN COMPONENTS

#### Art. 4302NV, 4302NRV, 4302N, 4302NR - Digital Panels

Digital panels for the VX2300 are built into the 4000 Series modular frames (standard size 2 modules). The panels, in addition to the speaker unit, includes a 2 line x 16 character LCD display with back lighting, keypad illumination and have a 15 (panel with repertory name facility) or 18 push button keypad depending on panel version. Video versions include CCD camera and are complete with subject illumination infrared LED's (white light).

There are 2 models available with the following camera options: colour Day/Night or colour Day/Night with Wide Angle camera.

In the first model the built-in camera has horizontal & vertical adjustment of 10 degrees while with the Wide Angle the camera is fixed but the field of view is 170 degrees. The camera can be set to work with composite video signal (coax cable) or balanced video signal (one twisted pair).

To order the Wide Angle camera add "/wide" to the code.

Both audio and video panels have an input for external camera: in video panels it is possible to choose the main camera (the camera which sends the video signal while calling) the user can commute the picture to the other camera anyway. VX2300 digital door panels have speech annunciation of the calls progress and error messages to assist the visitor and incorporate a "coded access" facility for all users. All panels have a trade code plus a number of additional facilities, the "R" version door panels incorporate a name search facility.

All digital panels are able to store up to 1000 user's data, so the same apartment can be associated with more users (i.e. a professional user can be stored two times in the panel's memory: once with the name of his company and once with his name personal). For each panel version, the optional speech board can be requested: the visitor is assisted by vocal messages during call operations (available languages English, Portuguese, Croatian - other languages available on request for 3 panels as minimum order).

Front panel finishes are the same as for the standard 4000 Series modules: mirror stainless steel (standard), anodized aluminium and high polished brass.

#### Art. 4303N-0,1,2 - Speaker Unit with functional to digital interface module.

The Art. 4303N speaker unit can be used in place of digital door panels. The Art. 4303N is built into a single 4000 Series module and includes the digital interface allowing the connection of up to 64 individual push buttons using the standard 4000 Series button expansion modules (Art. 4842, 4843, 4844 or 4845). The Art. 4303N is available with 1 button, 2 button or no buttons. Front panel finishes are as per 4000 Series modular.

#### Art. 4330N - Camera Module

The Art. 4330N is housed in a single 4000 Series module. The built-in camera is CCD type with infrared illumination LED.

Are available in 2 models depending on the type of camera used: colour Day/Night or colour Day/Night Wide Angle cameras. In the first type the camera has an horizontal and vertical adjustment (10 degrees) while the Wide Angle camera type is fixed with a horizontal angle of 170 degrees.

The Art. 4330N has an external camera input that can be switched from a videophone connected to the system.

Front Panel finishes are as per 4000 Series modular.

#### Art. 317N - 4 way BUS distribution Box

The Art. 317N connects to the 2 wire BUS and allows 4 units (audio-intercoms or videophones) to be connected. One Art. 317N required for every 4 units connected on the system.

Should a fault occur on an audio-intercom or videophone the Art. 317N will isolate all 4 units connected to it with no detrimental effect to the remainder of the system. Art. 317N is housed in a wall mounting plastic box 70 x 110 x 30mm.

#### Art. 318

Art. 318 is a 2 way passive line bus distributor, it can be used in smaller systems where the distance between the outdoor station and the furthest monitor is no more than 70mt. It is housed in a 50X60X20 mm plastic box which is for surface mounting.

#### Art. 2301N

Art. 2301N is the replacement for the Art. 2301/4 and 2301/8 entrance exchange units. The Art. 2301N will control 4 entrances (up to 8 entrances if 2 x Art. 2301N's are used). Each entrance can have its own video signal level set to cater for varying distances, the unit is housed in a 9 module DIN A type box and can be surface or DIN rail mounted.

#### Art. 2321N - Power Supply

Power supply for smaller systems with 1 door panel and a maximum of 20 audio-intercoms or videophones. The unit is housed in a 9 module DIN box which can be rail or wall mounted.

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### Art. 2321/P - Power Supply

Power supply for use on larger systems with multiple entrances with up to 100 audiointercoms or videophones. The unit is housed in a 15 module DIN box which can be rail or wall mounted.

### Art. 2322

The Art. 2322 connects to the BUS of the VX2300 system and provides a +12Vdc source @ 100ma, which can be used to power ancillary devices without the need for additional power supplies eg: To power 4800 digital keypad or other ancillary devices.

### Art. 2305 - Bus Relay / Extension Sounder

The Art. 2305 has two built in relays and can be connected directly to the 2 wire BUS.

The unit has two modes of operation BUS Relay for ancillary devices or as an Extension Sounder. When used as a BUS Relay, the two relays are addressed individually from 1 to 8. To activate one of these relays a specified button on the audio-intercom or videophone must be operated the same number of times to correspond to the address value (1...8) of the required relay. When the unit is to be used as an Extension Sounder the address must be configured with the same address as the audio-intercom or videophone, these relays will be activated from an external call and can be used with an extension sounder such as the Art. 512E (PSU also required). The unit is housed in a 5 module DIN box which can be rail or wall mounted.

### Art. 2315

The Art. 2315 is a BUS booster device (requires a power supply) designed to amplify video / audio and data signals for use where existing cable has been identified as under sized for the distance to be covered.

NB. This product is not designed for use on new installations where correct cable size should always be used.

### Art. 2306

Art. 2306 is a block exchange unit, which is required when an installation has secondary entrances in addition to a main entrance into the complex. You can install up to 100 intercoms/videophones each block (max 8 blocks for a total amount of 800 devices). The unit is housed in a 9 module DIN A type box and can be surface or DIN bar mounted.

### Art. 2380

Art. 2380 allows to connect Art. 380 and Art. 275/2W interfaces to VX2300 digital system. Thanks to these interfaces you can use a normal telephone ( land line telephone or laptop ) as an intercom. The unit is housed in a 9 modules DIN A type plastic box , and it can be surface or DIN bar mounted.

### Art. 3181 - Intercom

An intelligent 2 wire intercom with "door open/intercommunicating call" button, "BUS Relay" button, "privacy ON-OFF" switch, "door open" and "privacy on" LED. The unit also has a 3 level call tone volume switch. Programmable privacy duration and intercommunicating mode.

### Art. 3183 - Intercom

Intelligent Intercom with "door open/intercommunicating call" push button (key), BUS relay (Art. 2305) activation button (dot), plus call tone volume control (3 levels). Programmable intercommunication mode.

### Art. 5188 - Intercom

Voice switched hands free intercom with buttons to control "answer/end conversation/recall/simplex conversation", "door open/intercommunicating call", "privacy on/off" (programmable duration) and "BUS relay control" (Art. 2305) button.

In addition there are 4 LED's to indicate the status of "answer/end conversation", "door open/closed", "privacy on/off" and programming status. Call tone and loudspeaker volume controls, through assigned buttons, are also incorporated on this model. In addition to programming required from the VX2300 digital system (address, extension address and intercommunication mode) it is possible to program the melody, the number of rings and the privacy service duration. Surface wall mount installation.

### Art. 3481 - Videophone

Intelligent videophone using a 3.5" LCD TFT colour monitor, with "door open/intercommunicating call", "camera recall", "bus relay control" and "privacy on-off" push buttons plus 1 service button (dry contact) and "door open" plus "privacy on" LED's. Programmable privacy duration. Controls: 3 levels of call tone volume (both main and local), contrast and brightness.

### Art. 3686 - Videophone

Videophone using 3.5" full colour active matrix LCD monitor for VX2300.

Including 3 buttons "camera recall", "door-open/intercommunicating call", "privacy/service" plus 3 LED's for visual indication of all functions. Adjustments & programmable options: call tone volume on 3 levels (low, medium, high), picture brightness and hue, call tone melody, number of rings, privacy duration and address.

Also includes a local bell function.

The Art. 3686 is surface mount and requires the Art. 5980 connection board and wall mounting plate.

### Art. SL5488N - Hands free video monitor

Hands free video monitor using 3.5" full colour active matrix LCD monitor, with "door open/concierge call", "answer/camera recall", "privacy on/off" buttons all with LED\* indication and 3 additional service buttons.

Controls: loudspeaker volume, call tone volume, picture brightness and hue. Programmable number of rings, melody, privacy duration and video mode. Electronic call tone generated by the unit plus active low inputs for local bell and alarm.

### Art. 6286 - Videophone

Surface mount videophone using 3.5" full colour active matrix LCD monitor for VX2300. Including 4 buttons "service", "privacy/bus relay activation", "door-open/intercommunicating call" and "camera recall" plus 3 LED's\* for visual indication of all functions. Adjustments & programmable options: call tone volume on 3 levels (low, medium, high), picture hue, brightness and contrast, call tone melody, number of rings, privacy duration and address. Also includes a local bell function.

### Art. 6388 - Hands free videophone

Surface mount hands free intelligent Videophone using 3.5" full colour active matrix LCD monitor for VX2300. Including 4 buttons "service", "privacy/bus relay activation", "door-open/intercommunicating call" and "camera recall" plus 3 LED's\* for visual indication of all functions. Adjustments & programmable options: call tone volume on 3 levels (low, medium, high), picture hue, brightness and contrast, call tone melody, number of rings, privacy duration and address. Also includes a local bell function.

### Art. KRV88 - Hands free video monitor

Flush mount intelligent Hands free video monitor for the VX2300 digital system using 3.5" OSD full colour active matrix LCD monitor, with touch sensitive buttons for "door open / service", "answer/camera recall", "privacy/bus relay" plus 5 navigation menu buttons and 3 LED's related to the videophone operation.

Additional features include a real time clock, a temperature sensor and a serial RS232 port for future integration with home automation systems.

### Art. KRV86 - Videophone

As Art. KRV88 but surface mounting version with handset for conventional use in addition to the hands free mode.

### Art. KRV788 - Hands free video monitor

Intelligent handsfree video monitor using 7" TFT Hi Resolution colour monitor with OSD (On Screen Display) technology and 8 capacitive touch sensitive buttons for VX2300 digital system.

2 LED's\* give visual indication about door open and privacy service.

Recall and intercommunication call functions, privacy and secondary service, concierge call and alarm signal (if available), push to talk speech mode and temperature sensor.

Programmable options: loudspeaker and call tone volume, picture contrast, brightness and hue, date and time, privacy and secondary service time, temperature scale, call tone melody and number of rings, ID number, text and background colours.

*\* The operation of some LED's and the functions described may require additional cabling*

## ACCESSORIES

### Art. 2207 - PC interface cable and Programming Software

This kit enables the full programming of the Art. VX2202M, 2202MR, 2210-1, 4202, 4202V, 4202R, 4202RV, 8202, 8202R, 4302N, 4302NR, 4302NV, 4302NRV directly from a PC.