

To compliment the extensive range of modular systems (4000 and 8000) **Videx** also manufacture a comprehensive range of digital systems, giving the designer, installer and end user the flexibility required. All digital systems have been designed for ease of installation, reliability and quality. The three distinct versions of digital systems will cater for every eventuality.

VX2200

VX2200 has been designed to cover most types of installation. A basic system will operate on 2 wires for audio and 6 wires for video and can have up to 10 door panels per bus and 998 intercom/videophones (This can be a single level system with up to 998 apartments or a 2 level system with up to 180 apartments per block where the main entrance panel(s) is able to call up to 998 apartments). The system can be installed in many different ways and can have optional line isolation to protect the systems integrity in the event of cable damage.

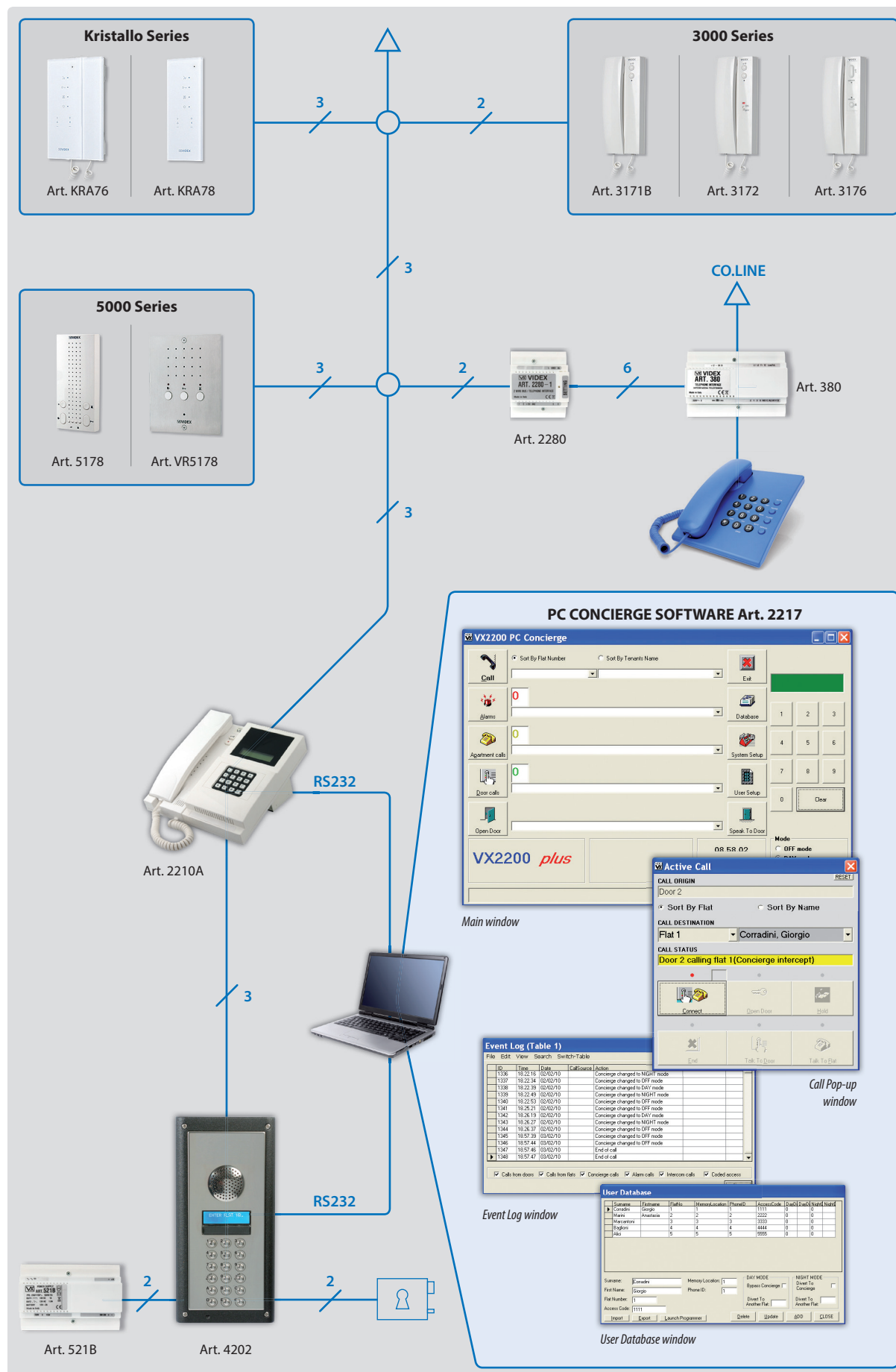
VX2300

VX2300 has been designed for small to medium installations having a maximum of 100 intercom/videophones. The system can have up to 8 door panels and operates on a true 2 wire Bus which is not polarity conscious. System integrity is maintained through 4 way distribution boards.

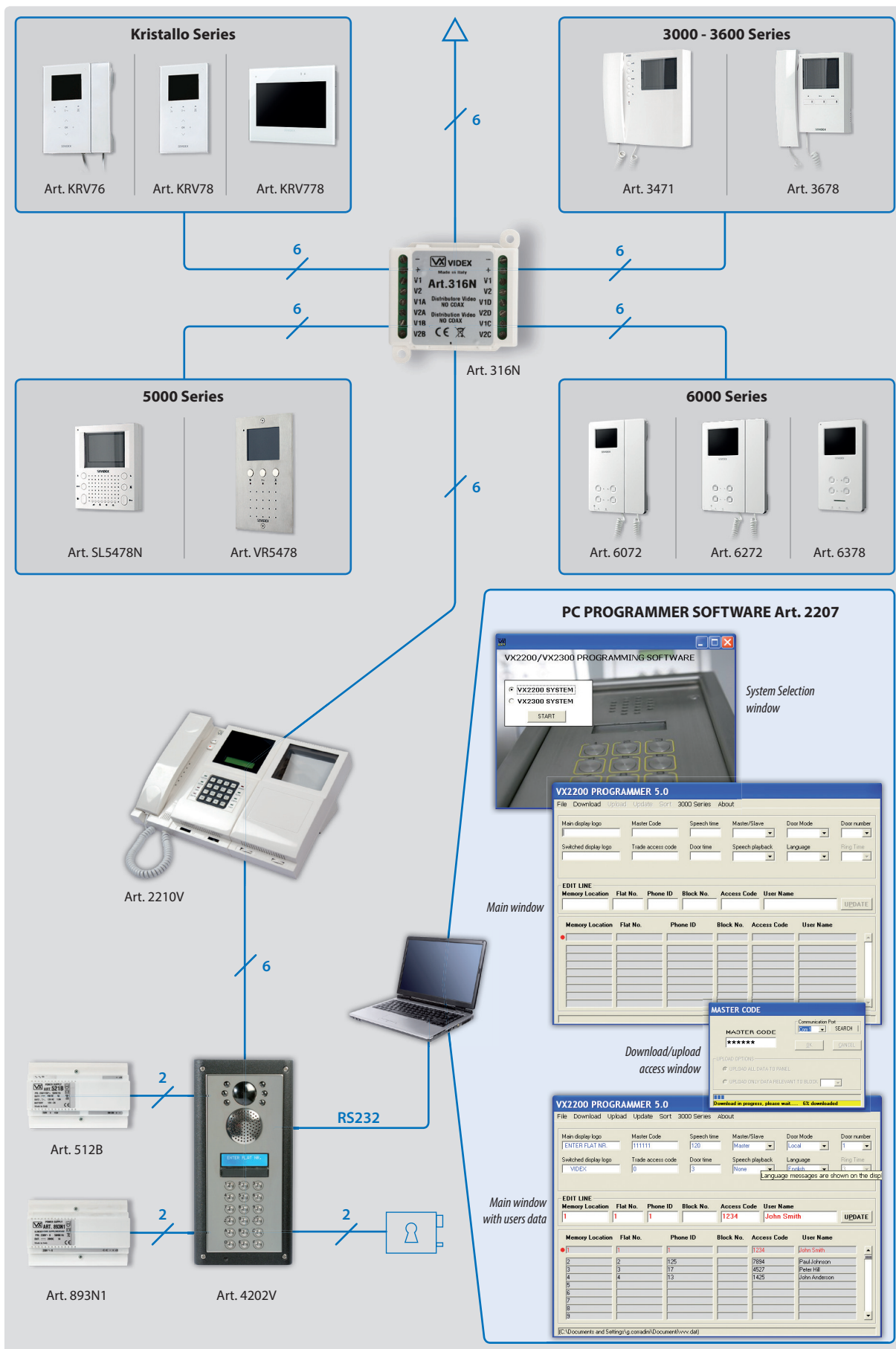


VX 2200

Digital System "Two wire" BUS audio - "Six wire" BUS video



Digital System "Two wire" BUS audio - "Six wire" BUS video



Digital System "Two wire" BUS audio - "Six wire" BUS video

VX2200 DIGITAL SYSTEM **"2 WIRE BUS"**

Videx VX2200 digital system is the most "versatile" system in the range, because it is flexible enough to cater for a variety of installations: from 1 way systems to larger systems that include a maximum of 1000 apartments.

This system uses a two wire common bus for audio installations and 6 wires for audio/video installations. Outdoor stations can be selected from the 4000 or 8000 Series: both series have traditional speaker units with an inbuilt functional to digital interface (for installations up to 64 apartments) and digital panels (suitable for systems with more than 64 apartments).

Speaker units with functional to digital interface allow to connect traditional call buttons to the digital system while digital panels, although have the same size as two modules, can handle up to 1000calls (1000 apartments/users).

4000 Series digital panels are available for both audio and video versions, while 8000 Series panels can only require an additional camera module for video systems.

Digital panels, which allow to have small size outdoor stations (2 modules for 4000 Series audio and audio/video systems, and 2 or 3 modules for 8000 Series audio and audio/video systems), can also work as access control devices (the latest panels of 4212 range, that includes also the RFID technology, allow for each apartment/user to record one or more access code and/or one or more proximity key in order to open the door. This range of panels has also the logging function on serial output) and include other functions such as speech board (a voice guidance helps you through the calls progress) 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 search 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 VX2200 digital system, including the 900, 3000, 5000, 3600, 6000 and Kristallo Series.

Videx VX2200 digital system is continually expanding and updating, among the new units for this system you can find the KRISTALLO Series with the latest Art.KRV778 which is a Hands Free videomonitor using 7" full colour active matrix LCD display with OSD and capacitive touch sensitive buttons or the latest models Art.6072 and 6272 from the low cost, easy to use, compact and minimalistic design 6000 Series.

Also, a complete range of accessories is available for the VX2200 digital system such as: digital concierge (which allows to handle all calls externally, alarms and the intercommunication among indoor stations), extension sounder (that extends the area within the melody tone of the call can be heard), Bus relay (to activate services related to an alarm or a specific call), telephone interface (to answer the call through the phone) and the new block exchanger Art. 2206N which allows to carry out installations up to 1000 users/ apartments with one entrance or with main and secondary entrances (in this case you can connect up to 180 users to each secondary entrance/block , not exceeding the total number of 1000 users), secondary entrances can work simultaneously as separate installations.

Among all the solutions that Videx VX2200 system offers, it is also possible to carry out low cost intercom systems without digital concierges, up to 255 apartments, by using 3000 Series intercoms (Art. 3161B and 3162B).

If you use a 900 series unit you cannot install in the same system indoor units from other series, while units from 3000 Series (316X items excluded), 3600, 5000, 6000 and Kristallo Series can be mixed in the same system.

MAIN SPECIFICATIONS:

- Ease of installation.
- Ease of programming (through front panel keypad or PC).
- "2 wire" common bus for intercom systems, "6 wire" for videophone systems with centralized power supply.
- Excellent quality audio and video signals.
- Privacy of speech and lock release.
- Direct calling of up to 998 flats with intercoms/videophones (except 900 Series) and 2206N units (180 flats each 2206N) or up to 255 flats only with special intercoms Art. 3161B and 3162B.
- Multi level facility.
- Multi entrance facility (up to 10 entrances for each level).
- All peripherals are intelligent and can be connected directly to the bus.
- Back up battery facility.
- Digital Front Panel with numerical keypad and display with 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.
- Functional panel interface available.
- Digital concierge facility.

Digital System "Two wire" BUS audio - "Six wire" BUS video

MAIN COMPONENTS

Art. VX4202, 4202V, 4202R, 4202RV - Digital Front Panels

4000 Series modules are available in both audio and audio/video and are built into double 4000 Series modules and have numeric keypads and 8 alpha buttons (VX4202, 4202V) or a numeric keypad with 3 "Repertory Names" navigation buttons (VX4202R, 4202RV), 2 x 16 character LCD display and speaker unit. Using the VX2207 programming kit which includes software and a connection cable the digital front panels can be fully programmed using a PC.

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).

These units will work with the 900, 3000, 3600, 5000, 6000 and Kristallo Series intercom and videophones and with the low cost Art. 3161B/3162B intercoms.

4000 Series digital panels are available in stainless steel (/S) or anodized aluminium (/A).

Art. 4212V, 4212RV, 4212V/F, 4212RV/F, 4212V/SA, 4212RV/SA - Digital Front Panels

4000 Series Vandal resistant range (front plate in brushed stainless with 2mm thickness) digital call panel for Videx VX 2200 digital systems (2 wire BUS audio, 6 wire BUS video). This panel is compatible with the 4000 Series modular system and has the size of two 4000 Series modules.

Complementing all digital door panels manufactured by Videx is the ability for all users to have their own unique access code (each apartment can have more than one access code). The access code can have up to six digits and is blind to onlookers. Also, integrated into the panel is a proximity reader enabling allowing a number of proximity fobs to be stored and used individually or in combination with the access code to enter the building. In addition to the speaker unit functions, the panel includes a 128 x 64 pixel graphical LCD display blue back lit (to provide visual and text messages in multiple languages guiding a visitor through the panel operation) plus a keypad with 18 blue back lit buttons 6 of which are alpha buttons (A..F), 10 are numeric buttons (0..9) plus "ENTER" and "CLEAR" buttons. The tenants can be called by dialling the relevant apartment code. To complement the visual messages provided from the display, the panel has the speech board facility (optional chip installation) to supply audio messages concerning the system operation. The built-in camera is a colour CCD wide angle day/night camera with IR illumination LED's (the day/night camera provides the best quality of view in any light condition and the wide angle camera provides a viewing angle of 170 degrees). The camera can be set to work with composite video signal (coax cable) or balanced video signal (one twisted pair). Interfaces include a Wiegand output (for systems based on this interface) plus two serial interfaces (USB and RS-485) both allow for programming and event logging. The programming menu and the setup menu are protected by two passwords with different login levels (the engineer password that grants full access and the system administrator password that is limited to some specific settings) while if you operate from a PC an "Engineer's Password" is requested to program the unit. A "Trade Code" function is available (for periodic visitors) enabled by the specific input or by programmable time band and "Direct Call Mode" for small installations (up to 10 apartments).

The memory capacity allows to store up to 998 users data, up to 2800 access codes, up to 2800 proximity keys and up to 4000 events. The front panel finish is brushed stainless steel while the frame finishes are the standard offered in the 4000 Series.

Art. VX4203-0,1,2 - Speaker unit module with functional/Digital Interface

This unit is built into a single 4000 Series module, it includes the speaker and interfaces to the digital bus. Up to 64 push buttons can be added to the interface using the Art. 4842, 4843, 4844, 4845 etc (the 4203 is available with either 1 button, 2 buttons or no buttons).

Art. VX4283-0,1,1D - Speaker unit module with functional/Digital Interface and built-in camera

The 4283 unit is an intelligent front panel based on a "6 wire" BUS intercom system that enables the connection of traditional push buttons. This unit is housed in a single 4000 Series module and incorporates the functional interface connections from functional to digital bus, the speaker module with 0, 1 or 2 call buttons also includes a high quality CCD Camera and infrared illumination LED's. In addition to conventional acoustic signals, the 4283 speaker unit gives visual indication relevant to the system operation by the 4 LED's on the front panel. For each version (0, 1 or 2 buttons) 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). Available in all the 4000 Series finishes. This device enables the connection of up to 32 functional push buttons using standard 4000 Series extension module panels Art. 4842, 4843, 4844, 4845 and relevant double button version 4842D, 4843D, 4844D and 4845D. The 4283 can work with any intercom and videophone available for the VX2200 from 900, 3000, 3600, 5000, 6000 and Kristallo Series range.

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

Art. VR4KAM2W-0,1,2,3 - Speaker unit module with functional/Digital Interface vandal resistant line

The VR4KAM2W is a 4000 Series digital 'two wire' vandal resistant speaker module which has been specifically developed for the Videx VX2200 (two wire audio and six wire video) bus systems. This module offers the same features as the VR4KAM with the addition of being able to connect up to 23 individual buttons using the vandal resistant VR4KBM button expansion modules.

Digital System "Two wire" BUS audio - "Six wire" BUS video

Art. 8202, 8202R Digital Front Panels

Same features and operation as in the 4000 Series panels but only audio version (for video systems the panel must be combined with a 8000 Series camera module). These units are built into a double 8000 Series module (stainless steel/S or aluminium/A) and have numeric keypads and 8 alpha buttons (8202) or a numeric keypad with 3 "Repertory Names" navigation buttons (8202R), 2 x 16 character LCD display and speaker unit.

Art. 8203-0,1,2 - Speaker unit module with functional/Digital Interface

This unit is built into a single 8000 Series module, it includes the speaker and interfaces to the digital bus. Up to 64 push buttons can be added to the interface using the Art. 8843, 8844, 8845 etc (The 8203 is available with either 1 button, 2 buttons or no buttons).

Art. VX2204-1, Art. 2204N - 4 way (optional) Isolation Board

This unit isolates the telephones from the main bus preventing a single telephone from compromising the system. One PCB is required for every four handsets.

Art. VX2206 - Digital BUS Exchanger

For use with two level systems enabling more than one speech path (One per internal block). For videophone systems is required the VX2206/V.

Art. 2206N - Block exchanger for audio/video door entry systems.

The Art. 2206N has been developed from the Art. 2206A and 2206V (BUS exchange devices) to give greater system flexibility in one and two level system design and permits far longer cable runs. The 2206N can be used to distribute the system BUS or used where the installation is greater than 180 apartments. The 2206N allows multiple speech paths on two level systems or on installations with a main digital entrance panel and a number of digital or functional secondary block or sub entrances with up-to 998 apartments. This module can also be used on installations where the existing cable cross section is found to be too small.

Note: main door stations used with Art. 2206N must be digital panels (8202 or 4202 and related versions) with firmware release 5.0 or later.

Art. VX2210A-1/A - Digital Concierge Unit for intercom systems

The VX2210 allows the operator to handle and to transfer the calls from and to the users. Depending on the selected operating mode (day-night-off), it is possible to carry out different functions from the concierge. For videophone systems, it is necessary to use VX2210-1/V (As VX2210-1/A with additional flat screen monitor). An RS232 input to a PC is also available.

Art. 2211

The Art.2211 is a digital intercom for VX2200 digital system ("2 Wire" BUS audio, "6 Wire" BUS video). The circuitry includes the same components of the Art.3171B so there are the "door open" & "service" buttons, the electronic call tone (main and local) with 3 adjustable volume levels, the 8 way dip-switch bank to set the intercom address, the board with 6 connection terminals and the VR1 trimmed to adjust the microphone volume.

Art.2211 allows to operate concierge functions that may be enough for a system having a little number of users.

Art. 2280-1

"2 wire" Bus INTERFACE

The Art. 2280-1 enables the connection of the VIDEX Telephone Interface (Art. 280N1) or the VIDEX PABX interface (Art. 275/2W) or the VIDEX apartment station (Art. 500MM) onto the VX2200 system "2 wire" Bus. Please, see "Telephone Systems" in this catalogue.

Art. 3161B - Intercom

Low cost intelligent intercom with electronic call tone (3 level volume), "door open" and "service" push buttons. It has a reduced number of features than the 3171B (see VX2200 section). Local bell input (requires an additional wire).

Art. 3171B, 3172, 3176 - Intercoms

Intelligent Intercom with electronic call tone (3 level volume), "door open" and "service" push buttons.

Programmable melody and number of rings. Plus "privacy ON-OFF" switch Art. 3172. Plus "timed privacy ON-OFF" push button, "door open" LED and "privacy on" LED, Art. 3176.

Art. 5178 - Intercom

Intelligent voice switched hands free intercom with buttons to control "answer/end conversation", "door open" (programmable duration), "privacy on/off" (programmable duration) and "service" button. In addition there are 4 LED's to indicate the status of "answer/end conversation", "door open/closed", "privacy on/off" and auxiliary "service" status. Call tone and loudspeaker volume controls are also incorporated on this model.

Digital System "Two wire" BUS audio - "Six wire" BUS video

Art. VR5178 - Intercom

Same features of Art. 5178 but vandal resistant version: the "service" button that is missing, is replaced by the "privacy" button that works also as "service" button. Adjustments and programmable functions are the same but are carried out in a different way. Vandal resistant version is for flush mount. This version is made from a brushed stainless steel plate, 2.5mm thickness, to which, in the back side, is secured the intercom circuitry. The intercom includes the flush mounting box comprised of fixing screws.

Art. KRA78 - Intercom

Flush mount hands free audio intercom. All buttons use capacitive touch sensor technology, 4 of these buttons have multiple direct functions such as "answer/end conversation/recall/simplex conversation", "door open", "privacy/call reject/programming menu access" (programmable duration) and "service" button. 3 LED's give visual indication of operations while the other 5 buttons allow navigation of the programming menu's and the setting of volumes.

It is possible to program the melody (9 available), the number of rings (max 9) and the privacy service duration (max 20 hours). Also includes a local bell function.

Available in black (add to the product code "/B") or white (add to the product code "/W") finishes.

Art. KRA76 - Intercom

As Art.KRA78 but surface mount version with telephone handset.

Art. 3471 - Videophone

Videophone, for coax and non coax video systems, using a 3.5" LCD TFT colour monitor, with "door open" and "camera recall" push buttons plus 3 service buttons and an "ON" LED. Programmable melody and number of rings. Controls: 3 levels of call tone volume (both main and local), contrast and brightness.

Art. 3476 - Videophone

As Art. 3471 but with 2 service push buttons plus electronic "ON-OFF" timed privacy push button, "DOOR OPEN" and "PRIVACY ON" LED's.

Art. 3676 - Videophone

Videophone using 3.5" full colour active matrix LCD monitor for VX2200 digital video door entry systems using composite (coax cable) or balanced (twisted pair) video signal. Including 3 buttons "camera recall", "door-open/concierge-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, video mode, privacy duration and address.

Also includes a local bell function and extension sounder output.

The Art. 3676 is surface mount and requires the Art. 5980 connection board and wall mounting plate. Except for the service button, all other connections are the same as the Art. 5478 or SL5478N 5000 Series videophones but doesn't require a permanent 12V.

Art. 3678 - Videophone

"High End" Videophone (with hands free facility) using 3.5" full colour active matrix LCD OSD monitor for VX2200 digital video door entry systems using composite (coax cable) or balanced (twisted pair) video signal. Including 3 buttons "door-open/concierge-call", "answer/camera recall/push to talk", "privacy/call reject/service" plus 3 LED's* for visual indication of all functions. Adjustments & programmable options (through OSD menu): loudspeaker volume, call tone volume, picture contrast, brightness and hue, privacy duration, call tone melody, number of rings. Address and video mode are programmable through 2 dip-switch banks. Also includes a local bell function.

The Art. 3678 is surface mount and requires the Art. 5980 connection board and wall mounting plate. Except for the service button, all other connections are the same as the Art. 5478 or SL5478N 5000 Series videophones.

Art. SL5478N - 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. VR5478 - Video monitor

Same features of Art. 5478 but VANDAL RESISTANT version. Programming and adjustments are carried out through a contextual OSD menu. Only for flush mount.

Art. 6072 - Videophone

Surface mount videophone incorporating a 2.4" Hi-Res full colour active matrix LCD monitor, with "camera recall", "door open/concierge call", 2 "service" buttons plus 2 LED's* one for generic use (door opening usually) and one to indicate privacy service enabled. Programmable settings: video mode (coax or balanced), melody and number of rings.

Adjustments: call tone volume (2 levels plus privacy position), microphone volume, picture hue, contrast and brightness.

Digital System "Two wire" BUS audio - "Six wire" BUS video

Art. 6272 - Videophone

Surface mount videophone incorporating a 3.5" Hi-Res full colour active matrix LCD monitor, with "camera recall", "door open/concierge call", 2 "service" buttons plus 2 LED's* one for generic use (door opening usually) and one to indicate privacy service enabled. Programmable settings: video mode (coax or balanced), melody and number of rings. Adjustments: call tone volume (2 levels plus privacy position), microphone volume, picture hue, contrast and brightness.

Art. 6378 - 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. KRV78 - Hands free video monitor

Flush mount hands free video monitor using 3.5" full colour active matrix LCD display with OSD (On Screen Display) for video door entry systems using composite (coax cable) or balanced (twisted pair) video signal. All buttons use capacitive touch sensor technology, 3 of these buttons have multiple direct functions such as "door-open/concierge-call", "answer/camera recall/simplex conversation" and "privacy/call reject/service/programming and adjustment menu access". 3 LED's give visual indication of operations while the other 5 buttons allow navigation of the programming menu's. Programmable options: loudspeaker volume, call tone volume, picture contrast, brightness and hue, privacy duration, call tone melody, number of rings, address and video mode. Also includes a local bell function. Available in black (add to the product code "/B") or white (add to the product code "/W") finishes.

Art. KRV76 - Videophone

As Art. KRV78 but surface mounting version with handset for conventional use in addition to the hands free mode.

Art. KRV778 - Hands free video monitor

Intelligent hands free video monitor using 7" TFT Hi Resolution colour monitor with OSD (On Screen Display) technology and 8 capacitive touch sensitive buttons for VX2200 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.

Art. 2217 - PC interface cable and Concierge Software

This kit is for digital concierge 2210-1 and enables a pc to execute all concierge functions plus additional functions.