

4000 Series Modular System

 **VIDEX**[®]



The **4000 Series** is a advanced range of modular door panels.

The 4000 Series has been designed using the latest 3D modelling software. The design is characterised by a number of unique features: the modules with front plate and push button are manufactured in mirror finish stainless steel, the frame (which is also the module support) is manufactured from one piece of die-cast aluminium alloy which gives substantial strength to the outdoor station, modules are attached to the module support frame using a simple but strong clip system (vandal resistant modules are secured to the front support frame using studs and fixing rails), the fixing system of the front panel to the back box (flush or surface) uses torx pin machine screws.

The modular system consists of 3 main items:

- The modules
(standard and vandal resistant line).
- The front supports
(for flush mounting).
- The surface mounting units
(for surface mounting).

The module support frame (flush or surface) is hinged to the back box. This allows for ease of cable installation and connection as both hands are free.

The standard finish for the module support frames and surface back boxes is embossed metallized "gunmetal grey" while the module front plates are in mirror finish stainless steel for the standard line and brushed finish stainless steel for vandal resistant line.

The module support frames are also available in two other finishes: high brass PVD (gold chromium effect) and Sky chrome PVD (silver chromium effect).

The module front plates (for the standard line only) are also offered in anodized aluminium and high brass PVD.



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Art. 4837-1



Art. 4837-1/HB



Art. 4837-1/A

MODULES, MATERIALS AND FINISHES

The 4000 Series provide two lines of modules: standard and vandal resistant. In each line the modules are available in the following versions:

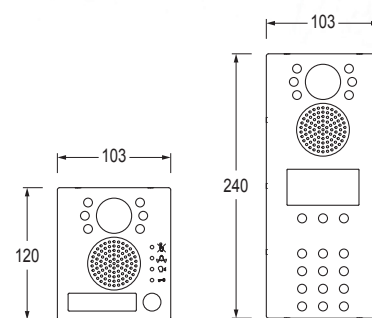
- Audio speaker unit;
- Audio/video speaker unit (standard line only);
- Button expansion modules;
- Codelocks;
- Proximity reader modules;
- Fingerprint reader modules (standard line only).

The module front plates of the standard line are available in 3 different finishes:

- Mirror finish stainless steel;
- Anodized aluminium;
- High Brass PVD* (physical vapour deposition) finish.

To order finishes other than the standard, suffix the product code with "/A" for anodized aluminium or "/HB" for the high brass finish.

Vandal resistant line provide only brushed stainless finish.



**The PVD technology is impervious in environment impact and allows to coat objects with a thin metallic film of highest performances. The PVD fundamental characteristics are: extreme superficial hardness, resistance to corrosion, wear and tear, unalterably to UV light and unassailable from solvents and acids.*



"SPEAKER UNIT" FRONT PANEL MODULES

The audio speaker unit module is the basic part to build an outdoor station for an audio door entry system. Modules are available with 0, 1, 2 and 4 buttons.

These modules are normally combined together with additional push button modules but in the version with 1 button, they can be used individually for systems where the number of users is equal to the number of buttons.



Art. FOR "3+1" AUDIO DOOR ENTRY SYSTEMS & VIDEO DOOR ENTRY SYSTEMS*

4837-0 0 Call push button.

4837-1 1 Call push button.

4837-2 2 Call push buttons.

4837-1D 2 Call push buttons.

4837-2D 4 Call push buttons.

Art. FOR "1+1" AUDIO DOOR ENTRY SYSTEMS & "4+1" VIDEO DOOR ENTRY SYSTEMS*

4835-0 0 Call push button.

4835-1 1 Call push button.

4835-2 2 Call push buttons.

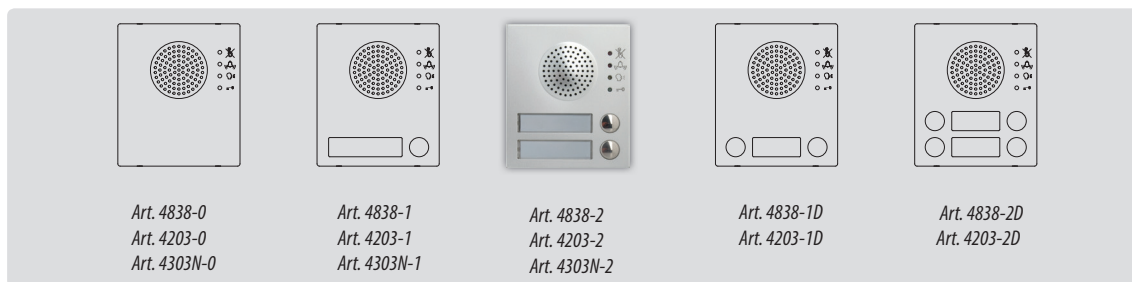
4835-1D 2 Call push buttons.

4835-2D 4 Call push buttons.

** For video door entry systems, the camera module Art. 4830 is also required.*

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The 4838 Speaker Units incorporate call progress LED's and reassurance tones along with the benefits of micro-processor technology.

The 4838 Speaker Unit is the building block for the following types of system.

- Audio door entry systems with multiple entrances without the need of the audio two entrance exchange (Art. 502).
- Video door entry systems without the need of the control unit (Art. 890) and on multiple entrances, without the need of the video two entrance exchange (Art. 892).
- With an additional wire, allows for the inclusion of a local door bell (only on system without privacy of speech) having a different call tone from the external call.

The Art. 4838 (in each version) has a dip-switch that allows for the adjustment of the following settings:

- To set one of 4 different call tones.
- To set the number of rings.
- To set the conversation time.
- To set the door opening time.

In addition to conventional acoustic signals, the 4838 speaker unit gives visual indication relevant to the system operation by the 4 LED's on the front panel.

- The first LED (red) marked by the symbol , if switched ON, indicates that it is not possible to make a call because a call or a conversation is in progress (from the outdoor station from which you are calling or from another outdoor station on system with multiple entrances).
- The second LED (red) marked by the symbol , if switched ON, indicates that a call is in progress. The LED will be switched OFF when the call is answered.
- The third LED (yellow) marked by the symbol , if switched ON, indicates that it is possible to speak. The LED will be switched OFF at the end of conversation (or at the end of the conversation time).
- The fourth LED (green) marked by the symbol , if switched ON, means that the door lock has been operated. It will be switched OFF at the end of the "door opening" time.

As a result of the above features, the 4838 speaker units provide a cost effective solution with more features and, at the same time simplify installation.

Art. **FOR "4+1" AUDIO DOOR ENTRY SYSTEMS & VIDEO DOOR ENTRY SYSTEMS**

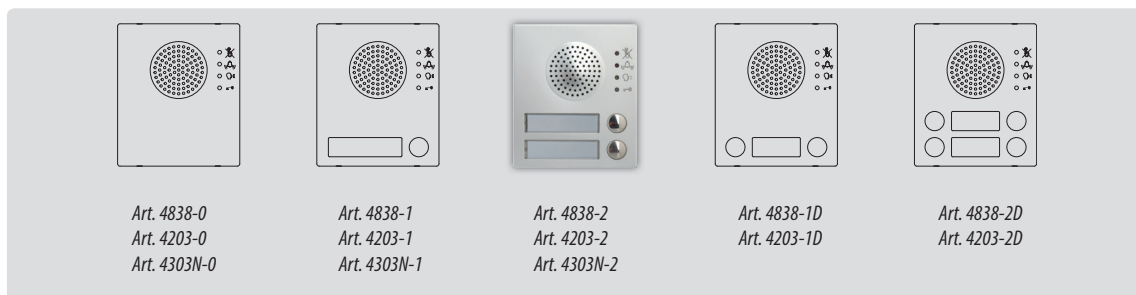
4838-0 0 Call push button.

4838-1 1 Call push button.

4838-2 2 Call push buttons.

4838-1D 2 Call push buttons.

4838-2D 4 Call push buttons.



Art. FOR VX2200 DIGITAL AUDIO/VIDEO DOOR ENTRY SYSTEMS (2 WIRE BUS AUDIO, 6 VIDEO)

4203-0 0 Call push button.

4203-1 1 Call push button.

4203-2 2 Call push buttons.

4203-1D 2 Call push buttons.

4203-2D 4 Call push buttons.

Art. FOR VX2300 (2 WIRE BUS) DIGITAL AUDIO/VIDEO DOOR ENTRY SYSTEMS

4303N-0 0 Call push button.

4303N-1 1 Call push button.

4303N-2 2 Call push buttons.

SPEAKER UNIT FRONT PANEL MODULES WITH BUILT-IN CAMERA FOR VX2200 DIGITAL SYSTEM ("6 WIRE BUS" VIDEO) USING COAX OR BALANCED VIDEO SIGNAL

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.

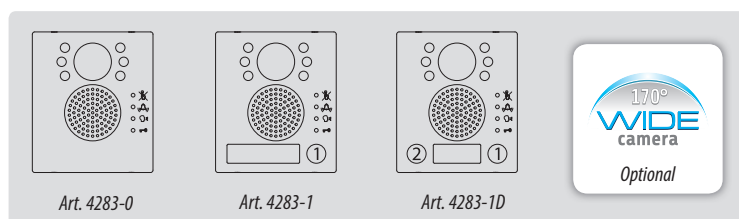
The camera can be set to work with composite video signal (coax cable) or balanced video signal (one twisted pair). Available in all the 4000 Series finishes. This device enables the connection of up to 32 functional push buttons using standard 4000 Series extension module panels Art. 4842, 4843, 4844, 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 or 5000 Series range.

4283-0 0 Call push button.

4283-1 1 Call push button.

4283-1D 2 Call push button.

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



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4000 SERIES DIGITAL CALL PANELS FOR VIDEX DIGITAL SYSTEMS

These panels are compatible with the 4000 Series modular system and in each version (audio or audio/video) they have the size of two 4000 Series modules. The front panel finishes are the same as for the 4000 Series Modules. Complementing all digital door panels manufactured by Videx is 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.

Art. **DIGITAL CALL PANELS FOR VX2200 DIGITAL SYSTEMS (2 WIRE BUS AUDIO, 6 VIDEO)**

4202 In addition to the speaker unit functions, the panel includes a 2x16 Characters LCD display with blue back light, the illumination LED's for the keypad plus a keypad with 18 buttons of which 10 are numeric buttons (0..9), "ENTER" and "CLEAR" buttons plus 6 alpha buttons (A..F). The panel has the speech board facility (optional chip installation) to supply audio messages in addition to written messages provided from the display.

4202V As the 4202 plus a built-in CCD camera with IR illumination LED's. For the panel 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.



Art. **DIGITAL CALL PANELS FOR VX2200 DIGITAL SYSTEMS (2 WIRE BUS AUDIO, 6 VIDEO)**

4202R In addition to the speaker unit functions, the panel includes a 2x16 Characters LCD display with blue back light, the illumination LED's for the keypad plus a keypad with 15 buttons of which 3 are used for the repertory name, 10 are numeric buttons (0..9) plus "ENTER" and "CLEAR" buttons. The panel has the speech board facility (optional chip installation) to supply audio messages in addition to written messages provided from the display.

4202RV As the 4202R plus a built-in CCD camera with IR illumination LED's. For the panel 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.

Art. **DIGITAL CALL PANELS FOR VX2300 DIGITAL SYSTEMS (2 WIRE BUS)**

4302NV In addition to the speaker unit functions, the panel includes a high quality CCD camera with IR illumination LED's, a 2x16 Characters LCD display with blue back light, the illumination LED's for the keypad plus a keypad with 18 buttons of which 10 are numeric buttons (0..9), "ENTER" and "CLEAR" buttons plus 6 alpha buttons (A..F). The panel has the speech board facility (optional chip installation) to supply audio messages in addition to written messages provided from the display. For the panel 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 module is available also in audio version Art. 4302N.

4302NRV In addition to the speaker unit functions, the panel includes a high quality CCD camera with IR illumination LED's, a 2x16 Characters LCD display with blue back light, the illumination LED's for the keypad plus a keypad with 15 buttons of which 3 are used for the repertory name, 10 are numeric buttons (0..9) plus "ENTER" and "CLEAR" buttons. The panel has the speech board facility (optional chip installation) to supply audio messages in addition to written messages provided from the display. For the panel 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 module is available also in audio version Art. 4302NR.

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

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SPEAKER UNIT MODULES WITH IN BUILT CAMERA FOR TRADITIONAL VIDEO DOOR ENTRY SYSTEMS WITH COAX CABLE OR BALANCED VIDEO SIGNAL (NON 4+1)

These modules are another novelty introduced in the 4000 Series, because in the same reduced size of one module they incorporate both the speaker unit and a high quality CCD type camera complete with infrared illumination LED. Audio/video module is the basic part required to build an outdoor-station for a video door entry system.

The module is available in 3 versions depending on the number of buttons: 0,1 and 2 buttons. Normally these modules are combined together with additional push button modules but if the system is for 1 or 2 buttons in this case only the self contained 1 or 2 button module is required.

For each module version 2 types of cameras are available: Day/Night colour or Day/Night colour Wide Angle cameras. In the first type the camera has a horizontal and vertical adjustment (10 degrees) while the Wide Angle camera type is fixed with a horizontal angle of 170°.

The camera can be set for video composite signal (coax cable) or for the balanced one (twisted pair wire).



Art. FOR TRADITIONAL VIDEO DOOR ENTRY SYSTEMS WITH COAX CABLE

4832-0/C 0 call button with colour camera.

4832-1/C 1 call button with colour camera.

4832-1D/C 2 call buttons with colour camera.

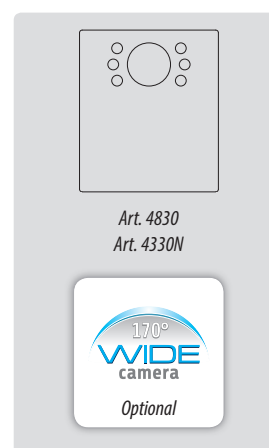
To order the Wide Angle camera add "/wide" to the code.

CAMERA MODULES

The standard line of the 4000 Series modules consists of 2 camera modules: the Art. 4830 that can be used in traditional, "4+1", VX2000 and VX2200 video door entry systems and Art. 4330N that is specific for VX2300 digital systems. The built-in camera is CCD type with infrared illumination LED. Both versions are available in 2 models depending on the type of camera used: colour Day/Night and 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. In Art. 4830 The camera can be set for video composite signal (coax cable) or for the balanced one (twisted pair wire).

In Art. 4330N there is an input for a possible external video signal which may be switched through the appropriate button in videophones for Vx2300 digital system.



Art. CAMERA MODULES FOR TRADITIONAL, 4+1, VX2000 AND VX2200 VIDEX VIDEO DOOR ENTRY SYSTEMS

4830 colour camera module.

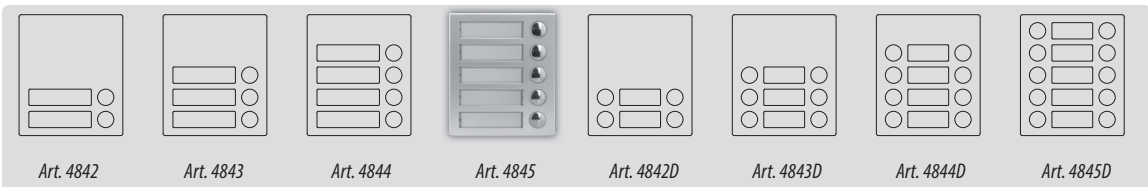
Art. CAMERA MODULES FOR VX2300 DIGITAL SYSTEM

4330N colour camera module with input for external camera.

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

BUTTON EXPANSION MODULES (SINGLE AND DOUBLE ROW)

Button expansion modules (with single or double row buttons) are used together with audio or audio/video modules to achieve the required number of call buttons for a system. Each module has a terminal connection that house 2 terminals for each button: the buttons, depending on jumper settings, can have a common terminal or each button can have its own common. (to simplify the use when used with the 4203,4303N & 4283 on digital systems).



Art. BUTTON EXPANSION MODULE (SINGLE ROW)

4842 2 call push buttons.

4843 3 call push buttons.

4844 4 call push buttons.

4845 5 call push buttons.

Art. BUTTON EXPANSION MODULE (DOUBLE ROW)

4842D 4 call push buttons.

4843D 6 call push buttons.

4844D 8 call push buttons.

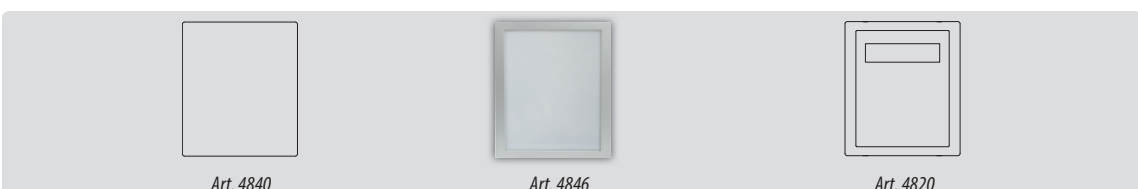
4845D 10 call push buttons.

BLANK AND INFORMATION MODULES

The blank module Art. 4840 is normally used to take the space of one module for future expansion or to complete the door station when needed.

The Information module Art. 4846 has a 85x110 mm window, protected by a polycarbonate shield that can be customized to show the street number or any other useful information. The information module Art. 4820 is a new digital module that provides visual (through a display) and verbal (through the speech board) during the system operation: it is compatible with the 4837,4832,4833 and 4838 (only 4+1 mode) speaker units.

This module is available with many different languages including English.



Art. DESCRIPTION

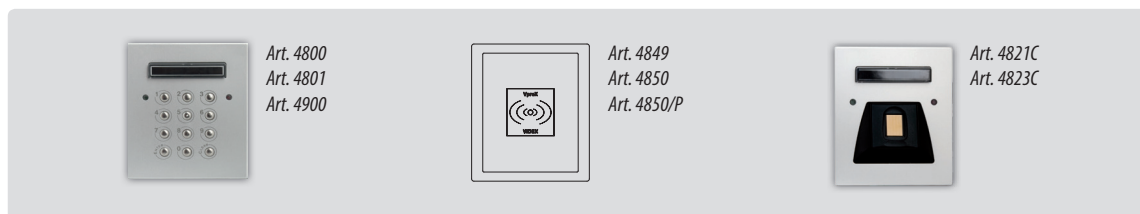
4840 Blank module.

4846 Information module.

4820 Call progress digital information module.

ACCESS CONTROL MODULES

VIDEX produce access control systems that can work stand-alone or can be incorporated with audio or video door entry systems. For more details about access control systems see the relevant section of this catalogue.



Art. CODE LOCK MODULES

All the 4000 Series codelock modules can operate in stand-alone mode. The new Art. 4801 module can also work in network mode when linked by a serial RS-485 BUS to a remote control unit (VX1050, VX1052). The programming of the modules can be carried out through the module keypad or, for the Art. 4801, through a pc software (Art. 4829 CD programming software plus connection cable).

4800 Codelock module, 3 codes / 3 Relays.

4801 Codelock module, up to 3000 codes / 2 Relays.

4900 Codelock module, 100 codes / 3 Relays.

Art. PROXIMITY KEY READER MODULES

The 4000 Series of proximity modules has been expanded to include two new stand alone units: Art. 4850 and Art. 4850/P. Both models can be programmed manually or the Art. 4850/P via an RS-232 serial connection to a PC (Art. 4829 CD programming software plus connection cable).

The 4850 will control up to 100 keys (fobs) while the 4850/P up to 1000 keys (fobs) and can be networked when linked by a serial RS-485 Bus to a remote control unit (VX1050, VX1052). The Art. 4849 reader module requires one of the following control units to operate (VproX20, 100, 250, 1,000, or 4,000).

4849 Proximity key reader module.

4850 Proximity key reader module, 1 relay, 100 keys.

4850/P Proximity key reader module, 1 relay, 1000 keys.

4829 CD Programming software plus connection cable for VIDEX modules Art. 4850/P and Art. 4801. The software allows to program the users in the unit memory. With the PC connected and the software running, it allows also to have an events LOG.

Art. FINGERPRINT READER MODULES

To compliment and expand the range of access control modules for the 4000 Series. Vindex have introduced two Fingerprint readers modules Art. 4821C (1000 fingerprints) and Art. 4823C (3,000 fingerprints). Programming of both versions can be carried out using the on board switches situated on the rear of the units or by a PC via a serial RS-232 connection. The Art. 4821C and Art. 4823C are able to work as stand-alone units or networked, using remote control units (VX1050 or VX1052) via an RS-485 serial Bus.

4821C Fingerprint reader capacitive sensor, 3 relays, 1000 fingerprints.

4823C As Art. 4821C but up to 3.000 fingerprints.