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GENERAL RULES FOR INSTALLATION

Route the conductors through the relative ducts except for the lighting and industrial network wires.

We recommend the use of coloured conductors to facilitate connection.

For the camera entrance panel installation, please, note that:

- A) The camera operates between -5° and + 50° C; to avoid overheating, protected it from sunlight with some form of shelter.
- B) Lens must be protected against direct light (sun, car headlights, etc.).
- C) Persons to be framed by camera must be illuminated from the front. If lighting is insufficient use an additional external lamp powered directly by the mains.
- D) Before closing the unit, clean protective glass and lens, repeat this operation from time to time.

Power supplies must be placed in a dry place far from sources of dust and heat. To facilitate check-ups and adjustments, make sure that the place is easily accessible. Fix power supply to wall with proper support and fixing screws provided with the package or inserting it with proper DIN module. Before connecting it, ensure that conductors are not interrupted or short-circuited.

The installation should be made with lines separated from electric mains. For higher security level, all the appliances work with low tension and are separated from the electric-mains by a high isolation transformer. It is advisable, anyway, to put a magneto-thermic switch with an adequate capacity between the supplying mains and the appliance. When repairing and/or servicing the power supply it will be sufficient to loosen the screws placed on the front side, after having switched off the power. In such a way it is possible to take away the front cover and measure directly the appliance.

N.B.: Scrupulously follow the instructions in each wiring diagram and use the required conductor cross-sections in relation to cable run distances.













Conversion table of sections-diameters and relative resistances for 100 m standard conductors.

Section mm ²	0.12	0.25	0.35	0.50	0.75	1.00	1.50	2.50	4.00	6.00
Diameter mm - \varnothing	0.40	0.58	0.68	0.80	1.00	1.15	1.40	1.80	2.30	2.80
Decimal diameter - \varnothing	4/10	6/10		8/10	10/10	12/10	14/10	18/10		
Resistance Ohm 100m.	14.00	6.60	4.80	3.50	2.20	1.70	1.14	0.69	0.39	0.28

SAFETY INSTRUCTIONS FOR INSTALLERS

- Carefully read the instructions in this manual: they give important information on the safety, use and maintenance of the installation.
- After removing the packing, check the contents of the set. Packing material (plastic bags, expanded polystyrene etc.) are dangerous for children. Installation must be carried out according to national safety adjustments.
- A safety switch, installed before the power supply, is recommended.
- Before connecting the set, ensure that the data on the label correspond to those of the mains.
- Use these sets only for the purposes designed, i.e. for video door entry systems. Any other use may be dangerous. The manufacturer is not responsible for damage caused by improper, erroneous or irrational use.
- Before cleaning or maintenance, disconnect the set.
- In case of failure or faulty operation, disconnect the set and do not open it.
- For repairs apply only to the technical assistance centre authorized by the manufacturer.
- Safety will be compromised if these instructions are disregarded.
- Do not obstruct openings of ventilation/heat exit vents.
- Installers must ensure that manuals with the above instructions are left with connected units after installation, for users' information.
- All items must only be used for the purposes designed.
- This manual must always be enclosed with the installation documents.

SYMBOLS

	A.C. bell		Bulb		Loudspeaker		A.C. supply from mains
	A.C. buzzer		Push-button		Amplified microphone		Ground
	Electric Lock		Switch		Receiver		Coaxial cable block

COMPONENTS FOR VIDEO DOOR ENTRY SYSTEMS

MONITORS

GENERAL FEATURES

Three versions: FLUSH-MOUNTED, SURFACE-MOUNTED, DESK TYPE.

Composed of: two-colour ABS plastic housing; handset, door-opening push-button; auto-switching key; button for additional services; brightness control; buzzer or electronic chime; high-tech circuits on interchangeable cards; supply voltage min. 15V; 625-line 50-image CCIR standard video signal (EIA standard upon request); 4MHz passband; 0.5-2Vpp input voltage of video signal.

SURFACE-MOUNTED 4" MONITORS

- Art. 5404/000 4" flat screen; complete with buzzer and hooking plate. Dimensions: 202x220x80
 Art. 5404/800 Same as above, but with electronic chime with adjustable volume, preset for installations with conversation privacy and for installation with switchboard.
 Art. 5404/806 Same as above with 6 push-buttons for intercommunicating calls.
 Art. 5404/812 Same as above with 12 push-buttons for intercommunicating calls.
 Art. 5404/COL Same as above 4" LCD flat screen colour.

INSTALLATION ADVICE

Install monitor far from sources of heat and light.

- Fig. 1 - Monitor hooking plate is packed in upper part of box, see drawing point A.
 Fig. 2 - Fix metal hooking plate of monitor to 6-module standard back box (its base mounted at 1.40 m. from floor level).
 Fig. 3 - For mounting, use fixing screws. Hole is for passage of cable.
 Fig. 4 - When cable is externally installed, remove plastic as indicated.
 Fig. 5 - After connecting cables to terminal block, insert monitor following arrows 1 and 2.
 To remove monitor from its hooking plate, press a screwdriver against lock and remove it by following arrows 1 and 2.

N.B. Slide A adjusts intensity of call volume; knob B adjusts brightness; contrast adjustment through hole C; push-button D operates electric lock; push-button E: spare; F push-button allows the installation autoswitching from inside; keyboard G: push-buttons for intercommunicating calls (only for Art. 5404/806 - 5404/812).

NOTE: MONITOR ART. 5404/800 IS PRESET FOR SEVERAL FUNCTIONS AS INDICATED IN FIG. 6, POINTS A-B-C.

FIG. 6A- NORMAL OPERATION

FIG. 6B- OPERATION WITH CONVERSATION PRIVACY

FIG. 6C- OPERATION WITH SWITCHBOARD

It is possible to change this monitor into a desk version by using a proper desk conversion kit (Fig. 6):

- Art. 5610/000 for monitors Arts. 5404-5604/816B-5604/800-5404/800
 Art. 5610/200 same as above, complete with built-in power supply. Operates on 230V A.C.
 Art. 5610/012 for monitor Arts. 5404/806-812
 Art. 5610/212 same as above, complete with built-in power supply. Operates on 230V A.C.

SURFACE-MOUNTED 4" AND 5" MONITORS

- Art. 5601 Surface-mounted monitor with 5" reflex screen, complete with electronic chime and hooking plate.
 Monitor dimensions: 202x219x100
 Art. 5604 Surface-mounted monitor with 4" flat screen; complete with electronic chime and hooking plate.
 Monitor dimensions: 202x219x66

INSTALLATION ADVICE

Install monitor far from sources of heat and light.

- Fig.1 Monitor hooking plate is packed in upper part of box, (see drawing point "A")
 Fig.2 Fix metal hooking plate of monitor to 6-module standard box (its base mounted at 1.40 m. from floor level).
 Fig.3 For mounting, use fixing screws. Hole is for passage of cable.

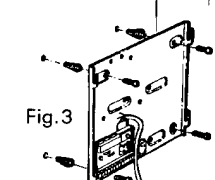
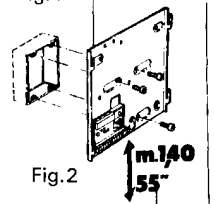
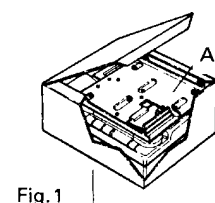
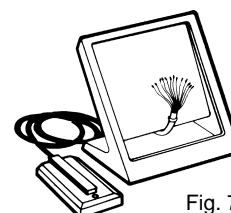
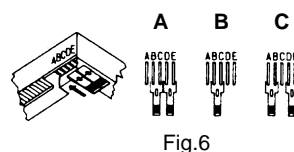
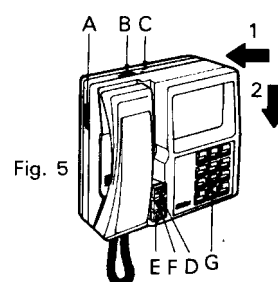
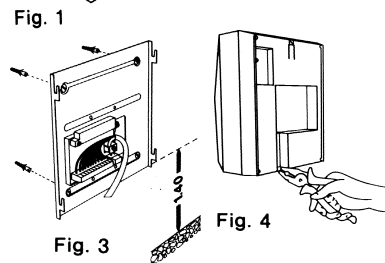
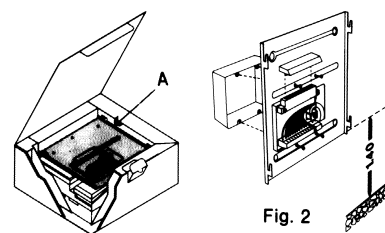


Fig.4 When cable is externally installed, remove plastic on back of monitor.

Fig.5 After connecting cables to terminal block, insert monitor, following arrows 1 and 2.


Fig.6 To remove monitor from its hooking plate, press a screwdriver against lock and remove monitor by following the 1 and 2 arrows direction.


N.B. To clean screen of monitor Art. 5601/800 remove small glass pane applying a slight pressure and push it downwards.

Fig.7 A) HANDSET

B) BRIGHTNESS CONTROL KNOB 

C) CONTRAST KNOB 

D) PUSH-BUTTON 
Electric lock release.

E) PUSH-BUTTON 
It may be used for auxiliary functions or to switch on installation from inside.


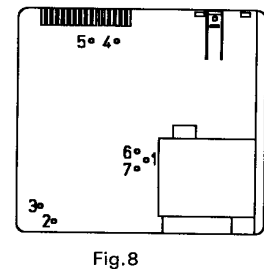
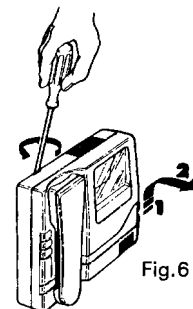
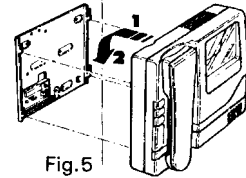
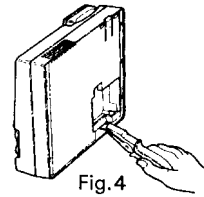
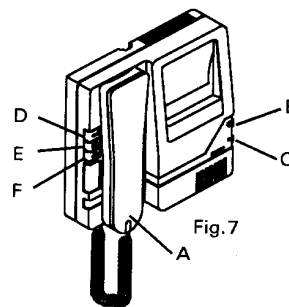
F) PUSH-BUTTON 
Auxiliary functions (stairs-light, etc.). When this push-button is connected to the VIDEOMOVING system of entrance panel, keeping it pressed down, the vertical camera angle may be adjusted to frame people of different heights.

Fig.8 Adjustments on back of monitor Art.5601/800:
Hole 6: vertical amplitude
Hole 7: horizontal frequency.



FLUSH-MOUNTED 5" MONITORS

Art. 5600/800 Flush-mounted 5" monitor with electronic chime (back box Art. 5609) supplied with hooking plate.

Monitor dimensions: 202x219x74 mm.

Back box Art. 5609 dimensions: 168x163x74 mm.

INSTALLATION ADVICE

Fig.1 Monitor hooking plate is packed in upper part of box, "(see drawing point "A")

Fig.2 Fix metal hooking plate of monitor to back box (Art. 5609), base at 1.40m from floor level.

Fig.3 After connecting cables to terminal block, insert monitor, following arrows 1 and 2.

Fig.4 To remove monitor from its hooking plate, press a screwdriver against lock and remove monitor by following the 1 and 2 arrows direction.

N.B. For adjustments, push-button functions and settings on back of monitor, follow instructions on Figs. 7 and 8 concerning monitors Arts. 5601/800 and 5604/800.

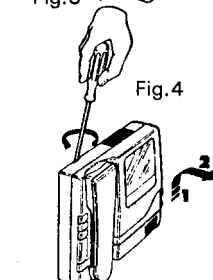
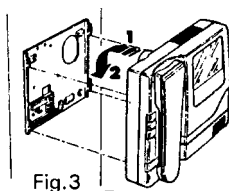
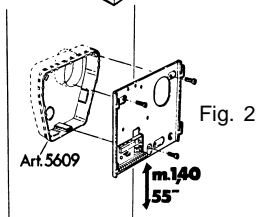
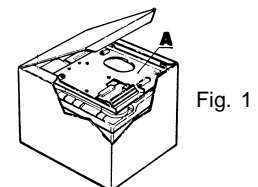
4" MONITORS WITH VIDEO RECORDING FUNCTION

Art. 5604/816B 4" flat screen; complete with electronic chime and hooking plate.

Monitor dimensions: 202x219x74

This set, with a high-definition monitor, may record 16 images by use of the modern MEMOVISION system. When the user gets home, he can see the persons who called with perfect clarity by simply pressing a button. The date and time of each call will also appear on the screen. Once the first call has been received, then nothing else can be recorded for a period of approx. 15 seconds, to prevent the same person to be filmed more than once. The monitor is fitted with LED which provides a signal whenever the automatic recording circuit is activated. The monitor is equipped with a mounting facility for a rechargeable battery (IEC type, 6LR61, 9V, 120 mA) to retain recorded images in the case of power failure.


For installation follow instructions in Figs. 1-6 for monitor Art. 5604/800.




DESCRIPTION


A) HANDSET

B) BRIGHTNESS CONTROL KNOB 

C) CONTRAST ADJUSTMENT KNOB 

D) PUSH-BUTTON "  ": electric lock release.

E) PUSH-BUTTON "  ": it may be used for auxiliary functions or to switch on installation from inside and to activate additional cameras (when these are installed).



F) PUSH-BUTTON: "  " auxiliary functions (stair-light, etc.). When this push-button is connected to the VIDEOMOVING system of entrance panel, keeping it pressed down, the vertical camera angle may be adjusted to frame people of different heights.





G) "MEMOVISION" function keyboard.

H) ON-OFF LED for automatic recording.

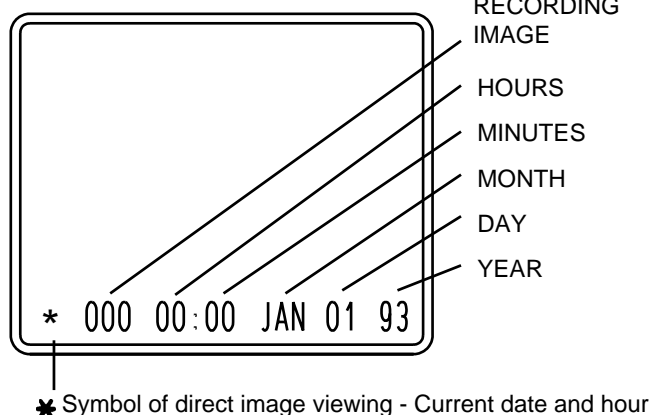
1.- DATE-TIME PROGRAMMING:


This operation is necessary as these data appear on every recorded image.

A.- Press the  pushbutton. The monitor is switched on and the figures for the day, month, year, hours and minutes will start flashing. Each time the  key is pressed the figures for the day and hours will increase by one unit.

B.- Press key  several times so that the day, month, year, hours and minutes flash one after the other. Change the hours and minutes as necessary using the  key. Once the sequence has been started, it must be carried through to the end by pressing key  several times until none of the date or time figures are flashing. If during these operations, the internal set time expires and the monitor switches off, then press the key  to continue.

Example of date-hour programming displayed on screen.


2 - PROGRAMMING OF AUTOMATIC IMAGE RECORDING

To activate this function, press the  push-button; the red LED (H) and the monitor will come on simultaneously, the latter indicating the hour, date and number of recorded images (if any have been recorded). The monitor will turn itself off and the red LED is left on.


The monitor will now record the images of anyone calling from outside.


Once the maximum number of 16 recordings has been reached, the next (17th registration) will cover the first.

N.B. By activating the automatic recording function, all the other keys are automatically inhibited.


3 - VIEWING OF RECORDED IMAGES

De-activate the automatic recording function if previously activated by pressing the  key; the RED LED (H) will go out.

Press the  push-button to view the first recorded image. In order to watch the entire sequence of images, press the same button more than once. Once the sequence has been started, it is necessary to carry through to the end so as to reactivate the functions of the other keys and for the memory programming.


N.B. During the sequence of images, the symbol  will appear on the left side of the screen. Once the sequence has come to an end, the * symbol will re-appear and the monitor will return to normal operation. The image-viewing function uses a timer fitted inside the monitor, operating independently of the timer in the main system and allowing the recorded images to be viewed even if in the meantime, the other monitors are using the video system for calls or other functions.

4 - VIDEO RECORDING RESET

Press the  button and keep it pressed for 5 seconds to cancel the contents in the memory. The monitor must be operating normally when this operation is carried out; (with the * symbol appearing on the screen).

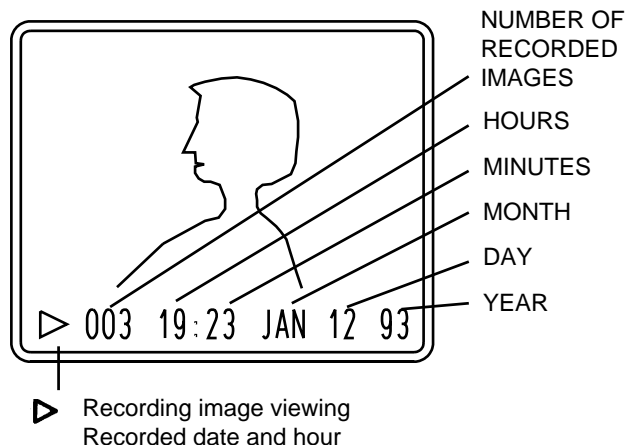
5 - MANUAL VIDEO RECORDING

This function allows an image picked up by the camera to be recorded when automatic function is not activated (red LED off).

When the call from outside is received, the image on the screen is recorded immediately by pressing the  key.

N.B. This function can also be used when the monitor is switched on from inside.

Example of recorded image displayed on screen.



SYSTEM CHECK AND FAULT FINDING GUIDE

Monitor switched OFF:

Check voltage between terminals 5 and 6 (15-20V D.C.), and voltage between terminals 5 and 8 (10-15VA.C.).

Screen with horizontal lines:

adjust horizontal frequency

Vertical shift:

adjust vertical frequency

Monitor switched ON without image:

detach coaxial cable from camera and check it with a tester; 75 Ohms should be measured relative to load resistor placed in the previous monitor. Check whether the camera is powered (terminals +T, -; power 11-13V D.C.)

Black bars:

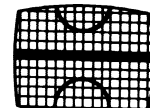
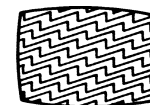
check voltage between terminals 5 and 6 (this should not be less than 15V D.C.)
Voltage between terminals +T, - of camera should not be less than 11V D.C.

Distorted or doubled image:

check if 75-Ohm load resistor is inserted in last monitor.

Whistling sounds in the audio section:

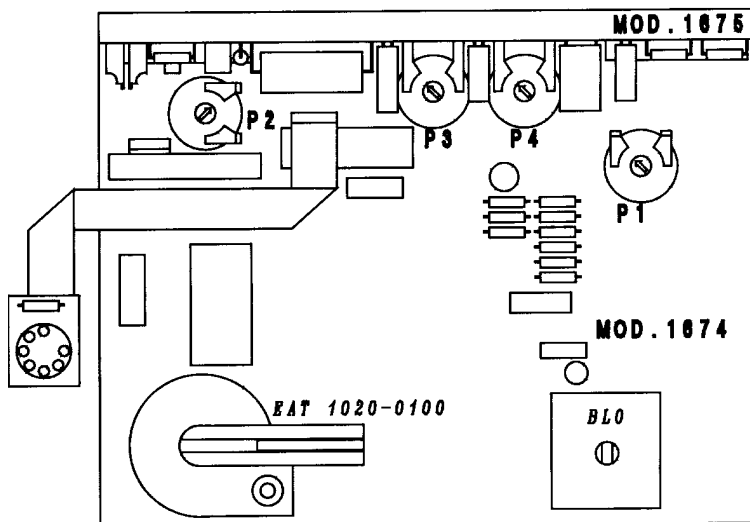
If, when the monitor handset is lifted, a whistling sound can be heard (Larsen effect), turn down the speech unit volume by adjusting the potentiometer on the power supply. If the problem persists, the internal volume should be turned down slightly by adjusting the relative trimmer on the outdoor station or on the camera.



CARD CALIBRATIONS ON MONITORS

ARTS. 5600 - 5601

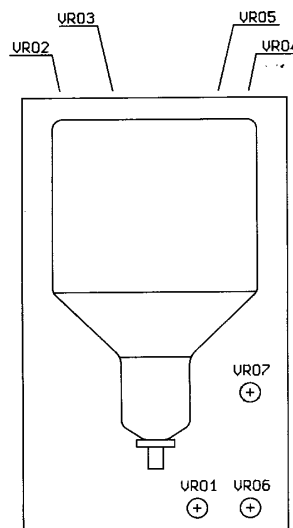
- P1 - Minimum brightness
- P2 - Focus
- P3 - Vertical frequency
- P4 - Vertical amplitude
- BLO - Horizontal linearity and amplitude



CARD CALIBRATIONS ON MONITORS

ARTS. 5404 - 5604

- VR01 - Focus
- VR02 - Vertical synchronism
- VR03 - Horizontal synchronism
- VR04 - Vertical linearity
- VR05 - Vertical amplitude
- VR06 - Screen
- VR07 - Horizontal amplitude



INSTALLATION

Before installing the equipment, choose a location for the camera entrance panel; the camera should be protected from direct light (sun, car headlights etc.) as this may affect the quality of the picture, and may damage the camera.

Some cameras are equipped with infrared LEDS allowing perfect picture at one metre distance. It is advisable to protect panel with some form of weatherproof shelter.

Series 5540

Entrance panel in anodized aluminium; complete with flush-mounted back-box with the option to use rainproof frames; WITHOUT CAMERA. These entrance panels can be matched with modular panels Art. 2950/... with push-buttons only.

***N.B.** Camera Art.554/00R with VIDEOMOVING system may be mounted on panels. When ordering add letter C to ref. code, before push-button number (eg. 5540/C01).

Series 2950

Entrance panels in anodized aluminium; complete with flush-mounted back box and connectors for mounting to camera entrance panel. To be used for combination with entrance panels exceeding 10 push-buttons to be matched with entrance panels series 5540.

***N.B.** Modular panels and camera entrance panels with matching letters may be combined.

Series 4/...

Frames in anodized aluminium with 38mm maximum depth to be added to series 5540 entrance panels for modification into rainproof version.

N.B. Rainproof frames and series 5540 entrance panels with matching letters may be combined.

MOUNTING INSTRUCTIONS (Fig. 1)

- 1: Remove front plate as follows: (N. B. screws in base have already been loosened).
- 2: Lift lower border of front plate slightly outwards and upwards.
- 3-4: Detach front plate by pulling it downwards.

Mount camera at its place (Fig. 2) and carry out connections on removable terminal block (point B). Close entrance panel again by mounting panel and carrying out Fig.1 operations, described in the previous point, but this time in the opposite sequence.

Eventually fix security screw placed on lower border with the special key provided (point A).

When using rainproof frames series 4/... put them between flush mounting back box and push-button holder supports fixing them with the screws provided (Fig. 3).

When using additional entrance panels Art. 2950/.. separate their back boxes and join them to back box of camera using special connectors and spacers before mounting them. For the passage of the conductors from one back box to the other remove the plastic cover over the connector slides.

A rainproof frame may also be used, by inserting cameras and push-button modular supports and blocking them with proper hooks (Fig. 4).

Eventually fix everything on flush-mounted back boxes and fasten it with the security key provided.

Flush-mount back box or rainproof cover top at 1.65m from ground level (Fig. 5).

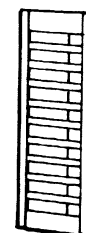
FLUSH-MOUNTED MODULAR ENTRANCE PANELS

Art.	Push-button number	*	Plate dimensions	Back box dimensions
5540/000	0	c	100x249	89x220x50
5540/001	1	c	100x249	89x220x50
5540/002	2	d	100x271	89x248x50
5540/003	3	e	100x299	89x276x50
5540/004	4	f	100x327	89x304x50
5540/005	5	g	100x355	89x332x50
5540/006	6	h	100x383	89x360x50
5540/007	7	i	100x411	89x388x50
5540/008	8	l	100x439	89x416x50
5540/009	9	m	100x467	89x444x50
5540/010	10	n	100x495	89x472x50



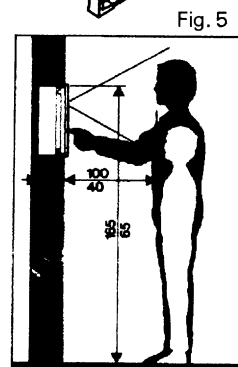
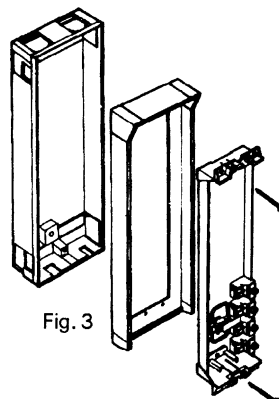
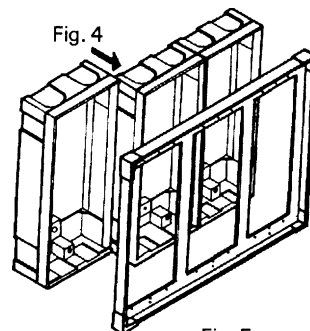
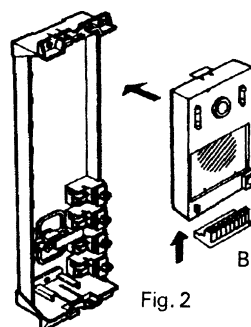
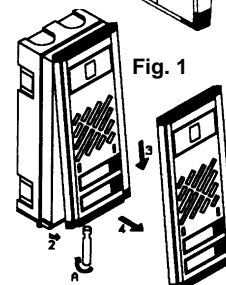
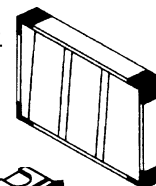
ADDITIONAL MODULAR ENTRANCE PANEL

Art.	Push-button number	*	Plate dimensions	Back box dimensions
2950/007	7	c	100x249	89x220x50
2950/008	8	d	100x271	89x248x50
2950/009	9	e	100x299	89x276x50
2950/010	10	f	100x327	89x304x50
2950/011	11	g	100x355	89x332x50
2950/012	12	h	100x383	89x360x50
2950/013	13	i	100x411	89x388x50
2950/014	14	l	100x439	89x416x50
2950/015	15	m	100x467	89x444x50
2950/016	16	n	100x495	89x472x50



ADDITIONAL FRAMES WITH RAINPROOF COVERS

Art. 1	Art. 2	Art. 3	Art. 4	HEIGHT (mm)
Module	Modules	Modules	Modules	
4/0C1	4/0C2	4/0C3	4/0C4	262
4/0D1	4/0D2	4/0D3	4/0D4	290
4/0E1	4/0E2	4/0E3	4/0E4	318
4/0F1	4/0F2	4/0F3	4/0F4	346
4/0G1	4/0G2	4/0G3	4/0G4	374
4/0H1	4/0H2	4/0H3	4/0H4	402
4/0I1	4/0I2	4/0I3	4/0I4	430
4/0L1	4/0L2	4/0L3	4/0L4	458
4/0M1	4/0M2	4/0M3	4/0M4	486
4/0N1	4/0N2	4/0N3	4/0N4	514
118	218	310	418	← WIDTH



Series 5449

Panel in natural anodized aluminium, with top and base in precast aluminium; WITHOUT CAMERA. Preset for CCD camera Art. 554 with built-in speech unit and infrared lighting. Fitted with tamperproof screw-type lock.

**SURFACE WALL-MOUNTED ENTRANCE PANELS
WITH LOW PROFILE**

ARTICLE	PUSH-BUTTON NUMBER	*	PLATE DIMENSIONS
5449/S00	0	d	100x271x35
5449/S01	1	d	100x271x35
5449/S02	2	e	100x299x35
5449/S03	3	f	100x327x35

Series 2995

Entrance panels with push-buttons only to be combined with entrance panels for video door entry systems series 5449 in natural anodized aluminium.

N.B. Additional panels with same letter codes may be combined.

ADDITIONAL ENTRANCE PANELS

ARTICLE	PUSH-BUTTON NUMBER	*	PLATE DIMENSIONS
2995/008	8	d	100x271x35
2995/009	9	e	100x299x35
2995/010	10	f	100x327x35

MOUNTING INSTRUCTIONS

- Fig. 1 - If installed on gates, fit a metallic plate on which entrance panel can be fixed.
- Fig. 2 - For mounting of wiring cables use proper holes by removing plastic caps placed in the bottom of the entrance panel.
- Fig. 3 - When using additional modular panels, match them with camera entrance panel, paying attention that they are at the same height.
- Fig. 4 - Fix entrance panel, by keeping top of panel at 1.65 m. from ground level.

NAME-TAG REMOVAL

Name-tag can be removed by proceeding according to the following operations:

- 1 - Separate first front plate from support.
- 2 - Remove tag-holder, by applying slight pressure between upper and lower borders (Fig. 5), and then remove name-tag.
- 3 - Insert name-tag and name-tag holder again and block the latter, until it is clutched on push-button.

Series 3290

Die-cast aluminium plate with special paint treatment; die-cast aluminium back box; metallic buttons with name-tags removable from rear; panel bulb 24V 3W; security fitting system with stainless steel screws, screwed into galvanized steel frame with special key; socket for cameras (Arts. 554/H50, 554/COL and 554/00R).

They can be mounted with flush-mount back box Art. 3205 or with rainproof cover Art. 320P - 322P - 323P.

Available with 1 or 2 simple push-buttons or with 4 double push-buttons in two rows. Possibility of fitting panels from 3250 series with push-buttons only. Anti-theft protection by security lock.

Series 3250

Panels with push-buttons only with same manufacturing features as previous panels. They may be matched to panels Art. 3290 to increase the number of push-buttons.

** The buttons are arranged in two rows.

* The buttons are arranged in a single row.

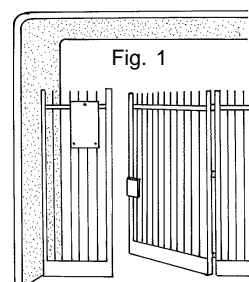
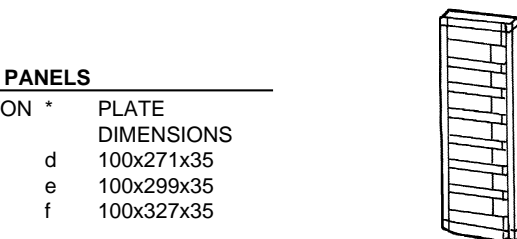
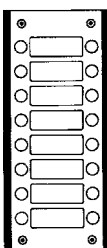


Fig. 2

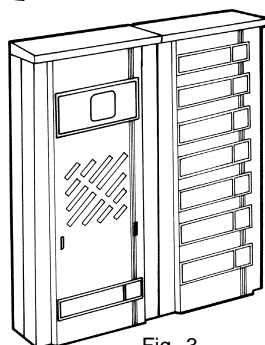
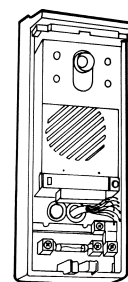


Fig. 3

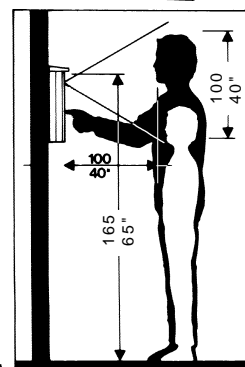


Fig. 4

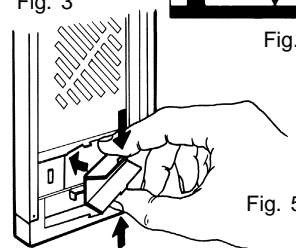


Fig. 5

VANDAL RESISTANT CAMERA ENTRANCE PANELS

Art.	Push-button number	Plate dimensions	Back box dimensions
3291	1*	120x278x18	111x265x45
3292	2*	120x278x18	111x265x45
3294	4**	120x278x18	111x265x45

**VANDAL RESISTANT ENTRANCE PANELS WITH
PUSH-BUTTONS ONLY**

Art.	Push-button number	Plate dimensions	Back box dimensions
3256	6*	120x278x18	111x265x45
3258	8*	120x278x18	111x265x45
3262	12**	120x278x18	111x265x45
3266	16**	120x278x18	111x265x45

MOUNTING INSTRUCTIONS

Fig. 1 The drawing shows the components of the panel:

- A - Front plate
- B - Camera
- C - Frame
- D - Back-box
- E - Special key for security screws
- F - Removable terminal block to facilitate camera wiring.
- G - Anti-theft security key.

Figs. 2 - 3 These panels may be made up either horizontally or vertically. In this case back-boxes are separated from the panels and frames and assembled as shown in the drawing, in order to be able to mount them at the same height.

For this purpose use the lock bars to fix the boxes vertically and horizontally.

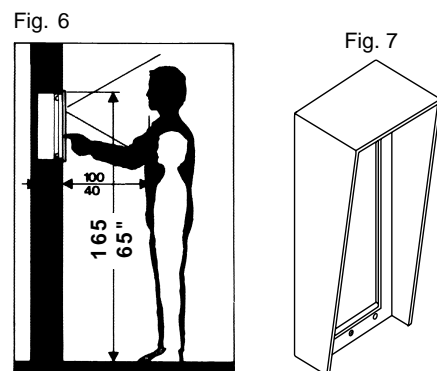
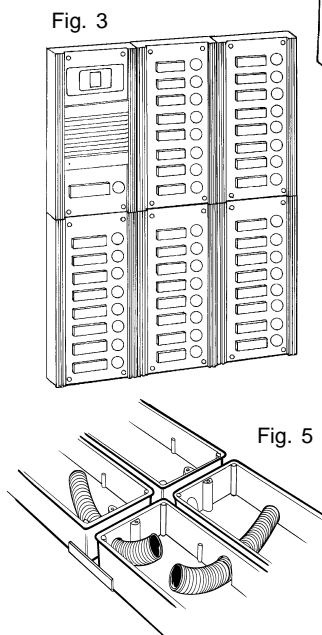
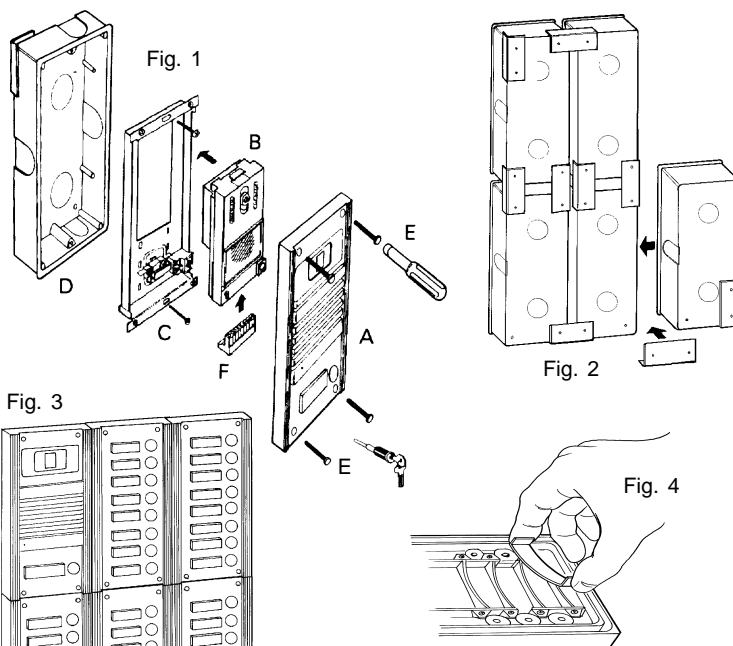
Fig. 4 To gain access to the name-tags, take out the name-tag holder from the rear, as shown in the drawing.

Fig. 5 Make the holes for the electric wires to pass through, placing the wires in the correct position.

Carry out connections to camera by means of removable terminal block (Fig.1 point "F"), wire push-buttons, bulb and door-lock. After testing, fit front plate, by using security screws with special supplied key (Fig.1 point "E").

Flush-mount back box top at 1.65m from ground level. (Fig.6).

Mounting with rainproof cover (Fig. 7). The rain-proof cover is mounted on external wall-mounted vandal-proof security panels. To install, follow the procedure previously described but without using the embedding box. The panel may be configured with 1, 2 or 3 rows using rain-proof covers Art. 320P, 322P or 323P respectively.


ENTRANCE PANEL FOR VIDEO DOOR ENTRY SYSTEMS WITH LETTER-BOX AND FRONT OR REAR OPENING
Art. 2550/301-302

Panel with housing, rainproof cover and front plate in profiled anodized aluminium; without camera and speech unit; preset for cameras Art. 570 or Art. 571 with "VIDEOMOVING" system and speech unit series 930.

MOUNTING INSTRUCTIONS

To mount camera entrance panel shown in Fig. 1 (min. 1.40, max. 1.70 m. from ground level; see Fig. 2).

This panel is provided with letter-box with front opening. To obtain rear opening follow these instructions:

Fig. 3 - 4

Open front opening with special screw provided. Remove front plate by pulling it downwards after loosening screw A.

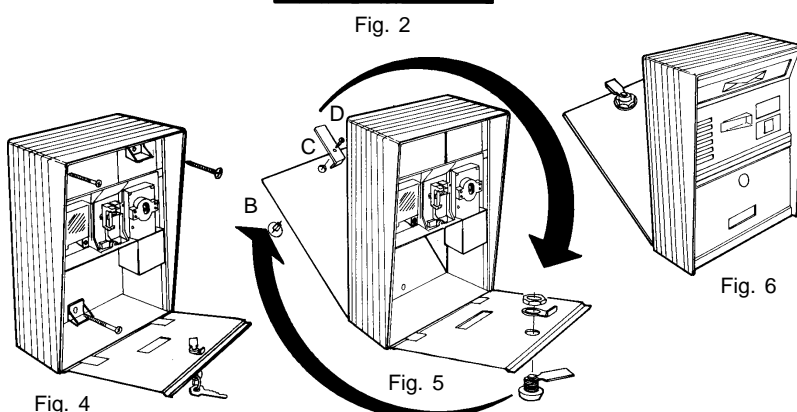
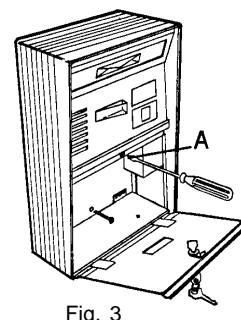
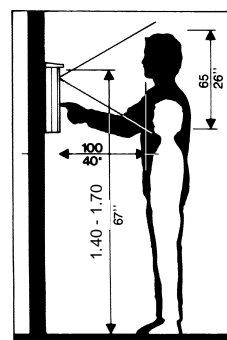
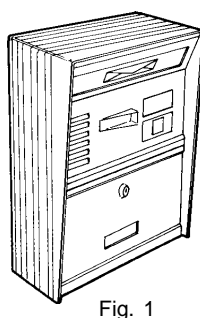
Fig. 5

Open rear part of panel by loosening the screws on lock block unit. Remove parts B-C-D and lock. Insert them again reversing their position.

Fig. 6

Carry out electric wiring to speech unit and to camera, write name on name-tag and block front plate. Then fix front opening with lock system removed from rear opening.

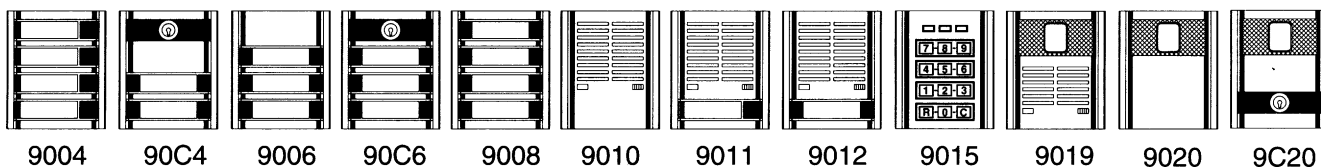
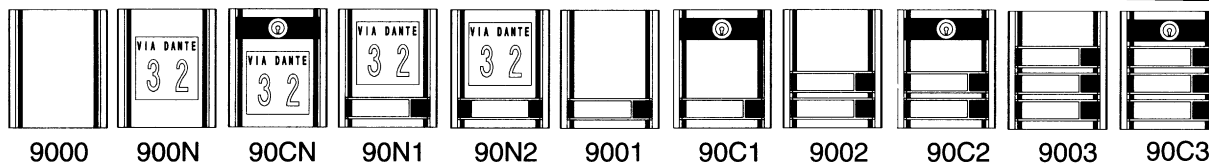
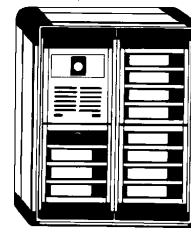
ARTICLE	PUSH-BUTTON NUMBER	PLATE DIMENSIONS
2550/301	1	265x363x135
2550/302	2	265x363x135



"MULTI-SYSTEM" MODULAR ENTRANCE PANELS

The "MULTI-SYSTEM" modular entrance panel component system has been designed to provide the option of combining panels of various types of audio and video door entry systems using only a few basic components. The panels can be prearranged for flush-mounting and equipped with rainproof cover frames, if required. The same device can be installed on a wall surface using the appropriate back box. These products are constructed in extruded aluminium and coated with a paint, especially resistant to atmospheric attack, and technopolymers with excellent technical characteristics and provide a protection level of IP45.

Several modules are available as described below.



The modules are easily inserted into the module-holder frame as indicated:

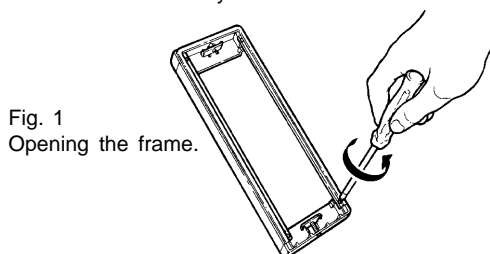


Fig. 1
Opening the frame.

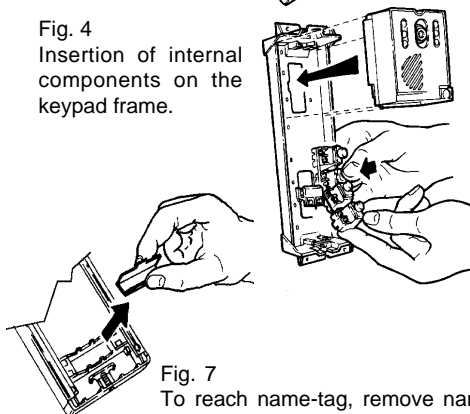


Fig. 4
Insertion of internal components on the keypad frame.

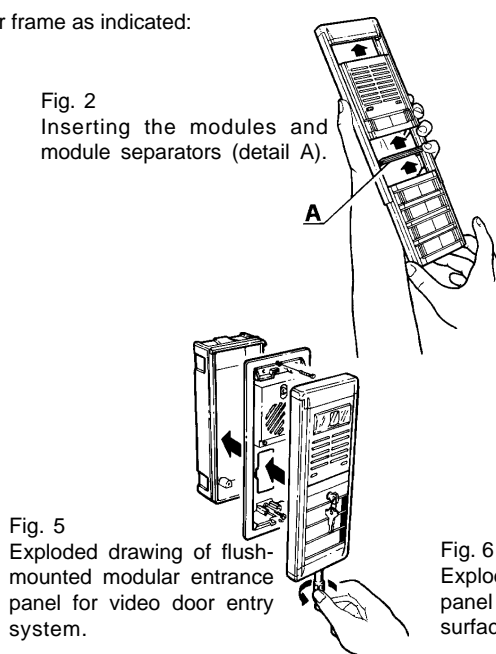


Fig. 2
Inserting the modules and module separators (detail A).

Fig. 5
Exploded drawing of flush-mounted modular entrance panel for video door entry system.

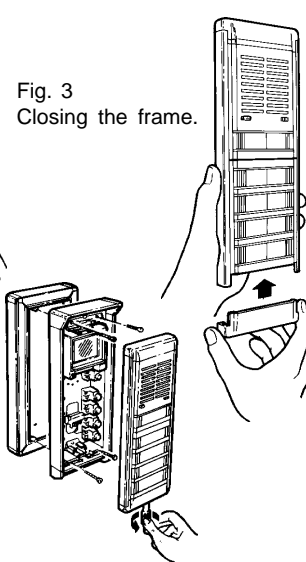


Fig. 3
Closing the frame.

Fig. 6
Exploded drawing of modular entrance panel for audio door entry system for surface wall installation.

**Multi
system**

The module-holder frames are available in 1 module (Art. 9081), 2 modules (Art. 9082) and 3 modules (Art. 9083)

When the modular entrance panels are flush-mounted in a wall, the flush mounted back box, Art. 9091 is used for 1-module version, Art. 9092 for 2-modules, Art. 9093 for 3 modules. More modules can be obtained by combining the three models. Back boxes are constructed in hot-galvanized sheet steel with heads made from technopolymers. Each back box is supplied with two fittings permitting you to join several built-in models together (Fig. 1) so various models can be used contemporaneously providing more keys. Removing the plastic from the heads, located in correspondence to the fittings, creates a passage for connecting cables. Installation of camera entrance panels should be made between 1.40 and 1.65 meters, measuring from its upper edge to the ground surface (Fig. 2).

When more than one panel is used, we recommend using series 91XX hole-cover frame or the series 92XX rainproof cover to ensure that the plates are kept aligned and any damage which might be done to the wall during installation is covered (Fig. 3 and 4).

If installation is on the wall surface, a series 93XX back box should be used suitable to the module-holder frames selected, together with the series 92XX rainproof protection of the same size.

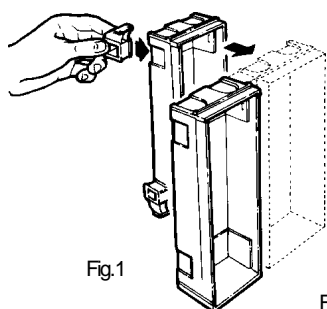


Fig. 1

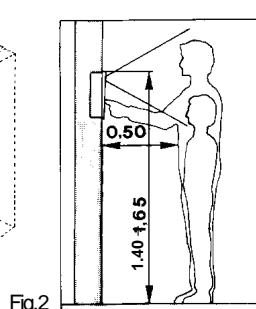


Fig. 2

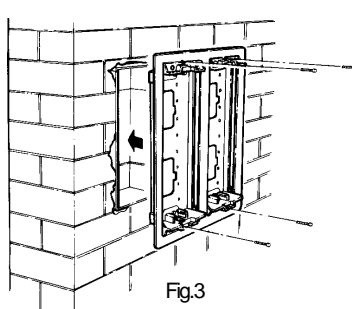


Fig. 3

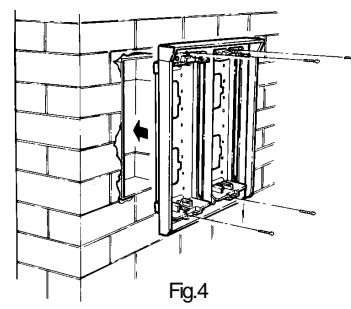


Fig. 4

CAMERAS
GENERAL FEATURES

- CCD 1/3" sensor.
- 3.6mm, autoiris lens, fixed focus.
- CCIR standard video signal, 625 lines, 50 images.
- 1Vpp video output voltage on 75-Ohm load.
- Operation temperature -5° + 50° C.
- 12V D.C. supply.

Cameras are provided with removable terminal block (point B).
Figures show camera coverage at 1 m. distance.

Art. 554

Camera used on entrance panels series 5540-5449-3290 (Fig.1).
Provided with infrared LEDs for subject illumination (Point A) and built-in speech unit.
12V D.C. 2VA supply.

Art. 554/00R

Camera to be used with panels series 5540/C.. 3290/... (Fig. 2). It is equipped with VIDEOMOVING system allowing adjustment for inclination of vertical coverage angle directly from monitor. Complete with infrared LEDs for subject illumination (point A) and built-in speech unit.
12V D.C. 2VA supply.

Art. 554/COL

Colour camera to be mounted on panels series 5540/C.. 3290/... (Fig. 3). Supplied with bulbs for subject illumination (point A) and built-in speech unit. This camera is used with colour monitor Art. 5404/COL.
12V D.C. 2VA supply

Art. 559

Camera with same features as Art. 554 to be used with "MULTI-SYSTEM" 9000 and PATAVIUM series modular panels (Fig. 4).
The camera coverage zone can be varied by manually adjusting the vertical position of the lens.

Art. 559/COL

Video camera with the same construction features as Article 554/COL, for installation in modular panels from the 9000 MULTI-SYSTEM series or panels from the PATAVIUM series (Fig. 5).

Art. 558

Camera with same features as Art. 554/00R; to be used with "MULTI-SYSTEM" 9000 and PATAVIUM series modular panels (Fig. 4).
Adjustment of camera coverage zone can only be carried out by pressing the appropriate button on the monitor.

Art. 570

Video camera with the same technical features as Arts. 559 but without speech unit (Fig. 7). For installation in modules 9020 and 9C20 on panels from the 9000 MULTI-SYSTEM series, and in panels 2550/301 and 2550/302 with built-in letterbox. 12 VD.C., 2VA. supply.

Art. 570/COL

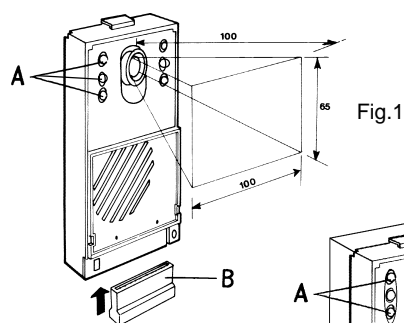
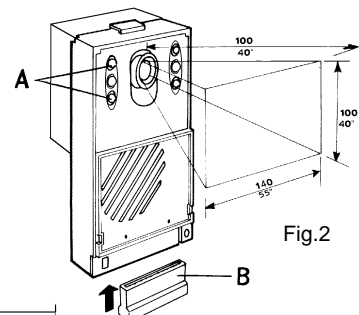
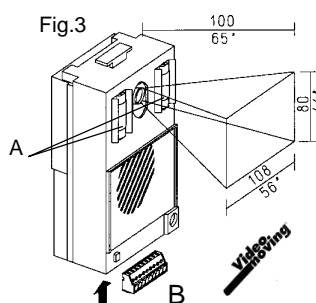
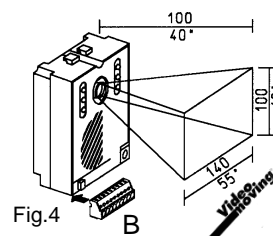
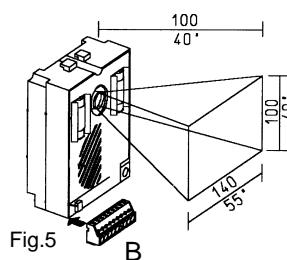
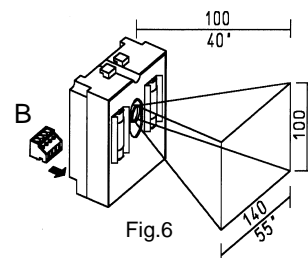
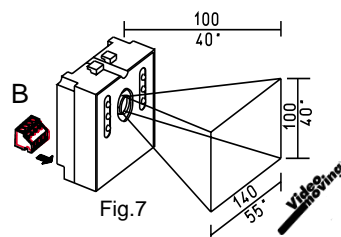
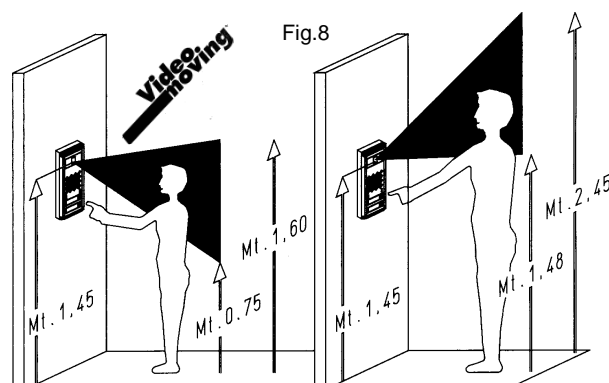
Camera with same features as Art. 554/COL to be used with "MULTI-SYSTEM" 9000 modular panels and PATAVIUM series (Fig. 6).

Art. 571

Same as Art. 570, this camera also features the VIDEO-MOVING system which allows you to tilt the lens up and down from the monitor (Fig. 7).
12 VD.C., 2VA. supply.

COVERAGE ANGLE OF CAMERAS ARTS. 554/00R - 558 - 571

Inclination of vertical coverage angle on cameras Arts. 554/00R - 558 - 571 may be electrically tilted, in order to view people of different height or to obtain a full view when the entrance panel is not mounted at the recommended height. The drawing Fig. 8 shows min. and max. coverage angle of camera when this is fitted at an average height of 1.45m.


Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

Fig.6

Fig.7

Fig.8

COVERAGE OF INTERCHANGEABLE LENSES

"C" LENS SPECIFICATIONS

Lens Art.	Focus length (mm)	Diaphragm(F)	Width (F)	Coverage angle	Distance (d)								
					b	1m	2m	4m	6m	8m	10m	50m	100m
2/003	3.5	MANUAL	1.4	67°	b	1.3	2.8	5	7.5	10	13	65	
					h	1	1.9	3.3	5.8	7.5	9.5	48	
2/048	4.8	MANUAL	1.4	52°	b	1	2	4	6	8	10		
					h	0.75	1.5	2.3	4.5	6	7.5		
2/813	8.5	MANUAL	1.3	41°	b	0.6	1.2	2.1	3.6	4.8	6		
					h	0.45	0.9	1.8	2.7	3.6	4.5		
2/116	16	MANUAL	1.4	20°	b	0.3	0.6	1.2	1.8	2.4	3	15	30
					h	0.22	0.45	0.9	1.35	1.8	2.25	11.25	22.5
2/025	25	MANUAL	1.4	17°	b	0.19	0.38	0.76	1.15	1.53	1.92	9.6	19.2
					h	0.14	0.28	0.57	0.86	1.15	1.44	7.2	14.4
2/050	50	MANUAL	1.3	13°	b	0.09	0.19	0.38	0.57	0.76	0.96	4.8	9.6
					h	0.07	0.14	0.28	0.43	0.57	0.72	3.6	7.2
22/003	3.5	AUTOMATIC	1.4	6°	b	1.3	2.8	5	7.5	10	13	65	
					h	1	1.9	3.3	5.8	7.5	9.5	48	
22/006	6	AUTOMATIC	1.3	42°	b	0.70	1.4	2.6	4	5.2	6.5	32	65
					h	0.50	1	1.3	2.8	3.8	4.8	24	48
22/008	8	AUTOMATIC	1.3	41°	b	0.56	1.12	2.26	3.39	4.51	5.46		
					h	0.42	0.84	1.69	2.54	3.38	2.88		
22/012	12.5	AUTOMATIC	1.3	23°	b	0.38	0.76	1.53	2.3	3.07	3.84		
					h	0.28	0.57	1.15	1.72	2.3	2.88		
22/016	16	AUTOMATIC	1.3	20°	b	0.3	0.6	1.2	1.8	2.4	3	15	30
					h	0.22	0.45	0.9	1.35	1.8	2.25	11.25	22.5
22/025	25	AUTOMATIC	1.3	13°	b	0.19	0.38	0.76	1.15	1.53	1.92	9.6	19.2
					h	0.14	0.28	0.57	0.86	1.15	1.44	7.2	14.4
22/050	50	AUTOMATIC	1.3	6°	b	0.09	0.19	0.38	0.57	0.76	0.96	4.8	9.6
					h	0.07	0.14	0.28	0.43	0.57	0.72	3.6	7.2
22/Z00	8.5-85	AUTOMATIC	1.8	32°-3.2°									

"CS" LENS SPECIFICATIONS

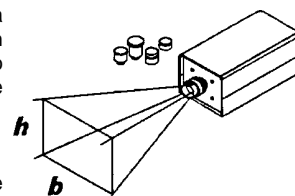
2/S03	2.8	MANUAL	1.4	88°	b	1.74	3.48	6.95	10.43	13.91	17.39		
					h	1.30	2.60	5.20	7.79	10.39	12.99		
2/S04	4.0	MANUAL	1.2	64°	b	1.20	2.40	4.81	7.21	9.61	12.02		
					h	0.85	1.70	3.40	5.09	6.79	8.49		
2/S08	8.0	MANUAL	1.2	34°	b	0.61	1.22	2.45	3.67	4.89	6.11	30.57	
					h	0.43	0.85	1.70	2.55	3.40	4.25	21.26	
22/S03	2.8	AUTOMATIC	1.4	88°	b	1.74	3.48	6.95	10.43	13.91	17.39		
					h	1.30	2.60	5.20	7.79	10.39	12.99		
22/S04	4.0	AUTOMATIC	1.2	64°	b	1.20	2.40	4.81	7.21	9.61	12.02		
					h	0.85	1.70	3.40	5.09	6.79	8.49		
22/S08	8.0	AUTOMATIC	1.2	34°	b	0.61	1.22	2.45	3.67	4.89	6.11	30.57	
					h	0.43	0.85	1.70	2.55	3.40	4.25	21.26	
22/ZS0	6.5-65	AUTOMATIC	1.4	40°-4.2°									

Technical notes

During installation, make sure that the diaphragm for the manual lenses is fully open since the video camera automatically adjusts the light on the pick-up sensor by means of an electronic device. The choice of a lens with manual or automatic diaphragm must be made bearing in mind the lighting conditions in which the camera is to operate. We recommend, however, the use of lenses with automatic diaphragm series 22/... 22/S... when the camera has to operate against the light or in an environment with widely varying lighting conditions.

When selecting the focal length, proceed as follows:

- 1 Determine the position of the camera and measure the distance between it and the subject.
- 2 Consult the lens table, and select the dimension of the subject to be filmed (B=base, H=height) in accordance with the distance calculated. Then read the table from right to left in order to identify the lens best suited for the installation in question.



ADDITIONAL CAMERAS

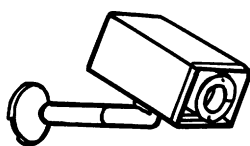
Art. 5000

CAMERA BODY DIMENSIONS:

64x60x125

SUPPORT DIMENSIONS:

ø57x145



Additional CCD camera complete with mounting bracket for indoor installation. No lens supplied.

Uses C-CS thread lens attachments with manual diaphragm lens article 2/... or automatic diaphragm lens article 22/... and 22/S...

SUPPLY: 12 V.D.C., CONSUMPTION: 100mA.

Art. 5020

CAMERA BODY DIMENSIONS:

64x60x63

SUPPORT DIMENSIONS:

ø57x 110



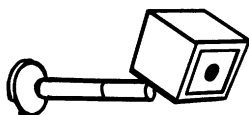
Additional compact CCD camera complete with mounting bracket for indoor installation. No lens supplied.

Uses C-CS thread lens attachments with manual diaphragm lens article 2/... or automatic diaphragm lens article 22/... and 22/S...

SUPPLY: 12 V.D.C., CONSUMPTION: 100mA.

Art. 5A20-5B20

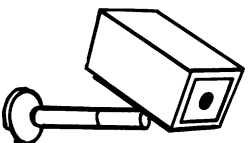
CAMERA BODY DIMENSIONS:
64x60x63
SUPPORT DIMENSIONS:
ø57x 110



Additional compact CCD camera with fixed lens (A = 3.6 mm, B = 8 mm) complete with mounting bracket for indoor installation.
SUPPLY: 12 V.D.C., CONSUMPTION: 100mA.

Art. 5A10-5B10-5C10-5D10

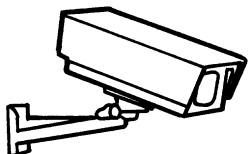
CAMERA BODY DIMENSIONS:
64x60x125
SUPPORT DIMENSIONS:
ø57x 145



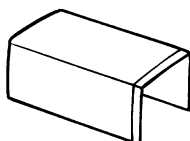
Additional CCD camera with fixed lens (A = 3.6 mm, B = 8 mm, C = 16 mm, D = 25 mm) housed in thermoplastic housing.
SUPPLY: 12 Vdc, CONSUMPTION: 100mA.

Art. 5299

CAMERA BODY DIMENSIONS:
90x100x280
SUPPORT DIMENSIONS:
45x80x260



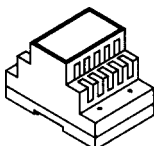
Painted aluminium, water-tight container with polymer roof, complete with thermostat heating element and bracket for outdoor mounting.
Compatible with all types of cameras.
SUPPLY FOR RESISTOR WITH THERMOSTATIC HEATER: 24V A.C.

Art. 5T10


Rainproof cover for outdoor cameras 5A10-5B10-5C10-5D10.

ADDITIONAL POWER SUPPLIES
Art. 5582/001

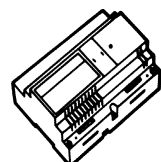
DIMENSIONS:
70x90x65



Modular additional power supply (4-DIN modules). To be used to activate two or more monitors at the same time, or to supply video accessories. (Add one power supply for each monitor).
230V A.C. SUPPLY. 10,5 - 13,5V D.C.; 0,25A or 15V D.C.; 0,8A. OUTPUT.

Art. 5682

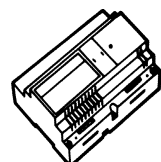
DIMENSIONS:
70x115x65



Modular additional power supply (4 DIN modules); used as the power supply for monitor Art. 5604/816B with "MEMOVISION" system. It is always used even if only one monitor is used in the system.
SUPPLY VOLTAGE: 230V A.C. 20V DC 0.6A OUTPUT.

Art. 9050

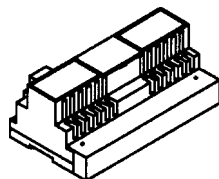
DIMENSIONS:
140x115x65



Central control unit for microprocessor-controlled door lock release. Stores up to 200 8-digit codes even during power failure. Safety key access for programming mode.
The unit is powered by a 15V A.C. supply from the electric door entry system or transformer Art. 832/030. Connecting facility for module Art. 9015.

Art. 6583

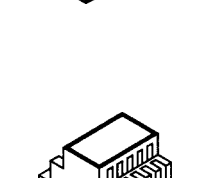
DIMENSIONS:
208X135X72



Modular additional power supply (12-DIN modules). To be used for long lines in case of strong voltage drop to monitors or for supplying several monitors in parallel.
230V A.C. SUPPLY. 18V D.C. 2A; 13.5V D.C. 1.6A OUTPUTS.

Art. 6584

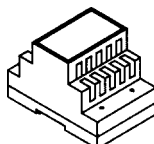
DIMENSIONS:
208X135X72



Modular power supply (12-DIN modules) for video-intercom systems on residential complex, with or without switchboard in porter's lodge, to connect main entrance panel.
230V A.C. SUPPLY

Art. 832/030

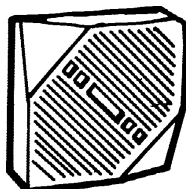
DIMENSIONS:
70x90x65



Modular transformer (4-modul DIN). Used on installations with several switching modules Art. 5592/001 - 6592 and for panels lamps supply.
SUPPLY VOLTAGE: 230V c.a. OUTPUT: 15V c.a.

CHIMES
Art. 860/220

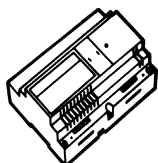
DIMENSIONS:
140X140X50



Surface-mounted additional chime with three notes and two pitches, wall-mounted, to be used in parallel with monitor.
SUPPLY VOLTAGE: 230V c.a.

SWITCHING MODULES

Art. 5590/001
 DIMENSIONS:
 140x115x65

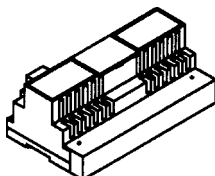


Modular automatic switching module (8-DIN modules). To be added to power supplies Arts. 6580 - 6581, for installations with two outdoor units, (one with camera). Automatic switching of audio, video and lock functions.

Art. 5590/303
 DIMENSIONS:
 140x115x65

Modular automatic switching module (8-DIN module). To be added to power supplies Arts. 6580 - 6581, for installations with three outdoor units (one with camera). Automatic switching of audio, video and lock functions.

Art. 6591
 DIMENSIONS:
 208x135x72

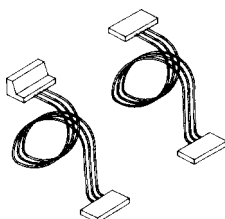


Modular automatic switching module (12-DIN module). To be added to power supplies Arts. 6580 - 6581, for installations with two camera entrance panels. Automatic switching of audio, video and lock functions.

Art. 6592
 DIMENSIONS:
 208x135x72

Modular programmable automatic switching module (12-DIN module). To be added to power supplies Arts. 6580 - 6581 for installation with two outdoor units. With these switching modules connected in series, it is possible to carry out any kind of video or audio system. Their programming activates the installation and the consecutive switching of all outdoor units. It is advisable to use video or audio entrance panels preset with ENGAGED-WAIT signs, Art. 2/291.

Art. 2/690

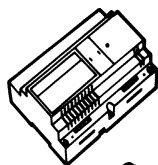


Harness with removable terminal block and 10-conductor plug, for connection of switching modules Arts. 6591 and 6592 with power supplies Art. 6580 - 6581.

Art. 2/591

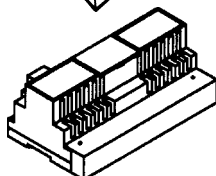
Harness with 15-conductor plugs for connection of switching modules Art. 6592 when there are three or more camera entrance panels.

Art. 5493/800
 DIMENSIONS:
 140x115x65



Modular automatic switching module (8-DIN modules). To be used on installations with intercommunicating phones and monitors. During internal conversation, outdoor unit is automatically excluded.
 220V A.C. SUPPLY.

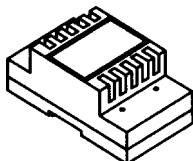
Art. 6594
 DIMENSIONS:
 208x135x72



Same automatic switching module as Art. 6591, but to be used on installations for residential complex. Programmable for video or audio outdoor units.

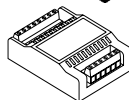
DISTRIBUTORS

Art. 5556/004
 DIMENSIONS:
 70x115x50



Modular video signal distributor (4-DIN modules). To be used at the floor supplied by monitors or on installations with several cable risers, supplied by Art. 5582/001.
 12V D.C. SUPPLY.

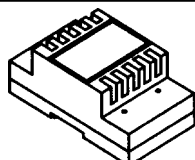
Art. 6554
 DIMENSIONS:
 48x70x19



Miniature video distributor, 1 input 4 outputs, powered by the monitor or directly from the mounted unit.
 12-18 V D.C. SUPPLY

AMPLIFIER

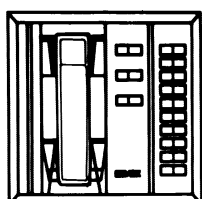
Art. 5559
 DIMENSIONS:
 70x115x50



Modular line amplifier for video signal only (4-DIN modules); to be used when distance between camera and last monitor is more than 200m.; compensation up to 1000m.
 12V D.C. or 18V D.C. SUPPLY.

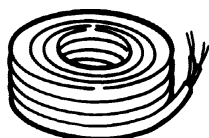
SWITCHBOARD

Article	Lines	Dimensions
Art. 152/010.06	10	258x265x153
Art. 152/020.06	20	308x265x153
Art. 152/030.06	30	358x265x153
Art. 152/040.06	40	408x265x153
Art. 152/050.06	50	458x265x153
Art. 152/060.06	60	508x265x153
Art. 152/080.06	80	558x265x153
Art. 152/100.06	100	608x265x153
Art. 152/120.06	120	658x265x153



Switchboard for porter's lodge with internal/external switching; allows audio communication among switchboard operator and monitors (internal mode) and among entrance panel and monitors (external mode). This switchboard may be flush-mounted at 93 mm. depth.

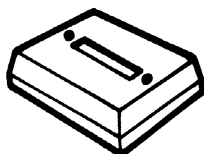
N.B. This switchboard cannot be used in residential complex.

Art. 61/001


Cable for video door entry systems (100 m rolls) consisting of 75-Ohm coaxial cable 3 mm diameter, three colour-coded 1mm² conductors; nine colour-coded 0,5mm² conductors.

Art. 61/002

Cable for video door entry systems (100 m rolls) consisting of 75-Ohm coaxial cable 3 mm diameter, three colour-coded 1mm² conductors; seven colour-coded 0,5mm² conductors.

Art. 65/001
 DIMENSIONS:
 80x125x28


Additional socket for desk-top monitors and interphones. To be mounted on standard rectangular back box or with expanding plugs with screws.

Art. 65/030
 DIMENSIONS:
 80X125X28

Additional socket for desk-top monitors and intercommunicating phones. To be mounted on standard rectangular back box or with expanding plugs with screws.

Art. 870
 DIMENSIONS:
 71X222X57


Additional interphone for electric door-opener system.

Art. 900
 DIMENSIONS:
 90X222X70


Additional interphone for electric door-opener system.

Art. 902
 DIMENSIONS:
 90X222X70

Additional interphone for intercommunicating systems; two push-buttons.

Art. 2/901

Desk conversation kit for interphones series 900-902 including base with 6-conductor cable and terminal block.

Art. 2/902

Desk conversation kit for interphones series 902 including base with 12-conductor cable, plug and socket.

Art. 2/922

Desk conversation kit for interphones series 902 including base with 22-conductor cable, plug and socket.

Art. 2/903

Single push-button. To be used in interphones Art. 900 - 902 to increase the number of push-buttons; one only can be used per each interphone.

Art. 2/904

Pair of push-buttons. To be used on interphones Art. 902-902 to increase the number of push-buttons.

Art. 2/906

This takes up the space of a push-button in interphones series 900 - 902 and indicates gate open, chime deactivated or other signals.
15V D.C. or A.C. supply.

Art. 2/907

One-way switch module with a NC push-button. This takes up the space of a push-button in interphones series 902 instead of a push-button for several functions.
24V 0.5A operating voltage.

Art. 2/908

Additional big push-button for interphone series 902.

Art. 2/909

Two-way switching module for 902 series interphones.

Art. 2/910

One-way switching module with RED LED.
This device replaces the two pushbuttons on 902 series interphones for different functions.
Supply voltage: 15 V.D.C. or V.A.C..

Art. 2/...



Manual lenses for additional cameras; to be mounted on Arts. 5000 and 5020.

Art. 22/...

Auto-iris "C" mount lenses for additional cameras; to be mounted on Arts. 5000 and 5020.

Art. 22/S..

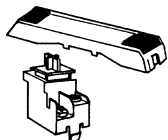
Auto-iris "CS" mount lenses for additional cameras; to be mounted on Arts. 5000 and 5020.

Art. 2/291



Engaged lamp module; to be used on panels; series 5540, 5449 and series 9000 instead of a push-button; it consists of an external plate luminous sign "ENGAGED - WAIT" Use switching module Art. 6592.

Art. 2/292

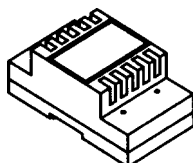


Double key with name-tag and push-button, to replace single push-buttons on modular panels series 5540 and series 9000 to double the number of push-buttons.

ART. 170/001
DIMENSIONS
70x113x50

4-DIN module repeaters relay for additional bells or stairs-lighting.
12V D.C. or A.C. supply. 3A - 230V A.C. max. load to contacts.

ART. 170/101
DIMENSIONS
70x113x50



The repeater relay is the same as in previous models. It is used with the monitor to connect mechanical bells.
12V D.C. or A.C. supply. 3A - 230V A.C. max. load to contacts.

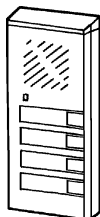
ART. 170/002
DIMENSIONS
70x113x50

4-DIN module double repeater relay for two different functions.
12V D.C. or A.C. supply. 3A - 230V A.C. max. load to contacts.

ART. 170/560
DIMENSIONS
70x113x50

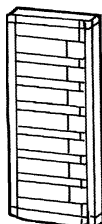
4-DIN module dual function relay. Allows monitor auto-activation from inside and switching from first to second additional camera (if it exists).

ART. 2990/...



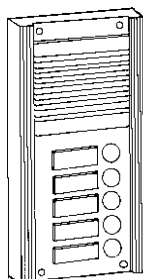
Surface-wall mounted entrance panels with low profile. Preset for speech unit Art. 930.

ART. 2995/...



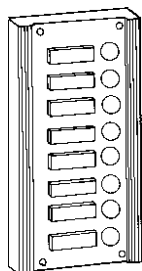
Surface-wall mounted entrance panels with low profile, push-button only to support panels Art. 2990.

ART. 320X



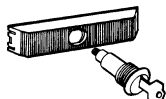
Flush-mounted modular vandal-resistant entrance panels preset for speech unit Art. 930.

ART. 325X



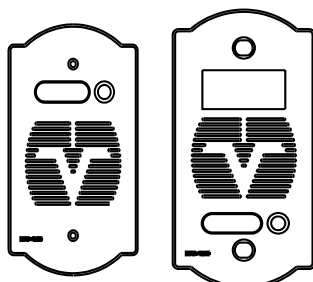
Vandal resistant panel with push-buttons only ; to combine with panels Art. 320X for both vertical and horizontal compositions.

ART. 2/999



Security lock to be used in place of button on video door entry panels from the 5540, 9000 and 2900 series.

**Series
PATAVIUM**



Brass audio entrance panels pre-arranged for speech unit 930 series or video entrance panel pre-arranged for camera with built-in speech unit (Art. 558-559-559/COL).

POWER SUPPLIER ART. 6580 TECHNICAL FEATURES

Basic power supply for all video-intercom installation with A.C. requirements (except for single or double family use equipment); in grey ABS housing; preset for mounting on cases with DIN 12-module support or with expanding plugs with screws.

- 230V A.C. 50-60Hz supply (other voltages on request)
- 60VA maximum absorbed power.
- 18V D.C. 0.8A monitor supply.
- 13V D.C. 0.3A camera supply.
- 15V rectified voltage 0.3A continuous duty for push-button illumination (3x24V 3W max)
- Door lock output: 15 Vac 1A - intermittent service.
- Amplified electric door-entry system.
- Timer and automatic disconnection device of monitor previously activated.
- Interchangeable cards for quick maintenance.
- Removable terminal blocks.

PROTECTION OF POWER SUPPLY:

- PTC SIEMENS type C840 primary coil of transformer,
- 1st. secondary coil for internal electronic supply by F 3,15A 250V (F1) fuse.
- 2nd. secondary coil for lock supply: F3A 250V (F2) fuse
- PTC SIEMENS Type C945 against short-circuits and overloadings on chimes and external call lines.
- Electronic protection against short-circuits and overloadings on monitor cable riser.
- Electronic protection against overloadings to outdoor unit.

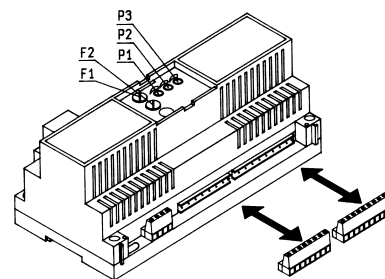
ADJUSTMENTS

P1 - Activation time adjustment for monitor and camera.

P2 - Volume adjustment of speech unit.

P3 - Activation time adjustment for electric lock.

Dimensions 6580: 208x135x72 - Weight: 1.4 Kgs.



REMOVABLE TERMINAL BLOCKS

OPERATION

The video door entry installation consists of one camera entrance panel, one power supply and one or more monitors. When a push-button on the entrance panel is pressed, the chime rings in the corresponding apartment. Almost immediately the image of the caller appears on the monitor. The camera coverage area is illuminated by invisible infrared LEDs or by a normal bulb incorporated in the camera. If desired, the user may simply raise the handset, communicate with the caller and, if required, activate the door-lock release. In this case, door-opening time may be varied from 1 to 30 seconds using the potentiometer P3.

The system turns itself off automatically after a preset time, adjustable from 30 to 90 seconds using potentiometer P1 inside the power supply. If the caller presses another user's push-button, the previously called monitor is automatically deactivated without waiting for the end of the preset time. When testing the installed system, use trimmer P2 to adjust the optimal volume of the speech unit. For simultaneous activation of two or more monitors, one extra power supply (Art. 5582/001 or Art. 6583) must be installed for each additional monitor. A blocking circuit cuts off power to monitors if the line is overloaded or short-circuited. The power supply is also equipped with a specific device to eliminate any buzzing on the voice circuit caused by the use of wires that are too long and/or too thin. Push-buttons with name-tags are illuminated through output 0-15 on power supply. Up to a maximum number of three 24V 3W bulbs can be connected. An additional transformer, Art. M832 or 832/030 is required for entrance panels with more than three bulbs. The power supply does not have an intercommunication section.

It is possible however to set up a network of monitors and/or intercom phones by using the switching module Art. 5583/800 with the standard power supply (diagram vc1959-1).

BASIC WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM

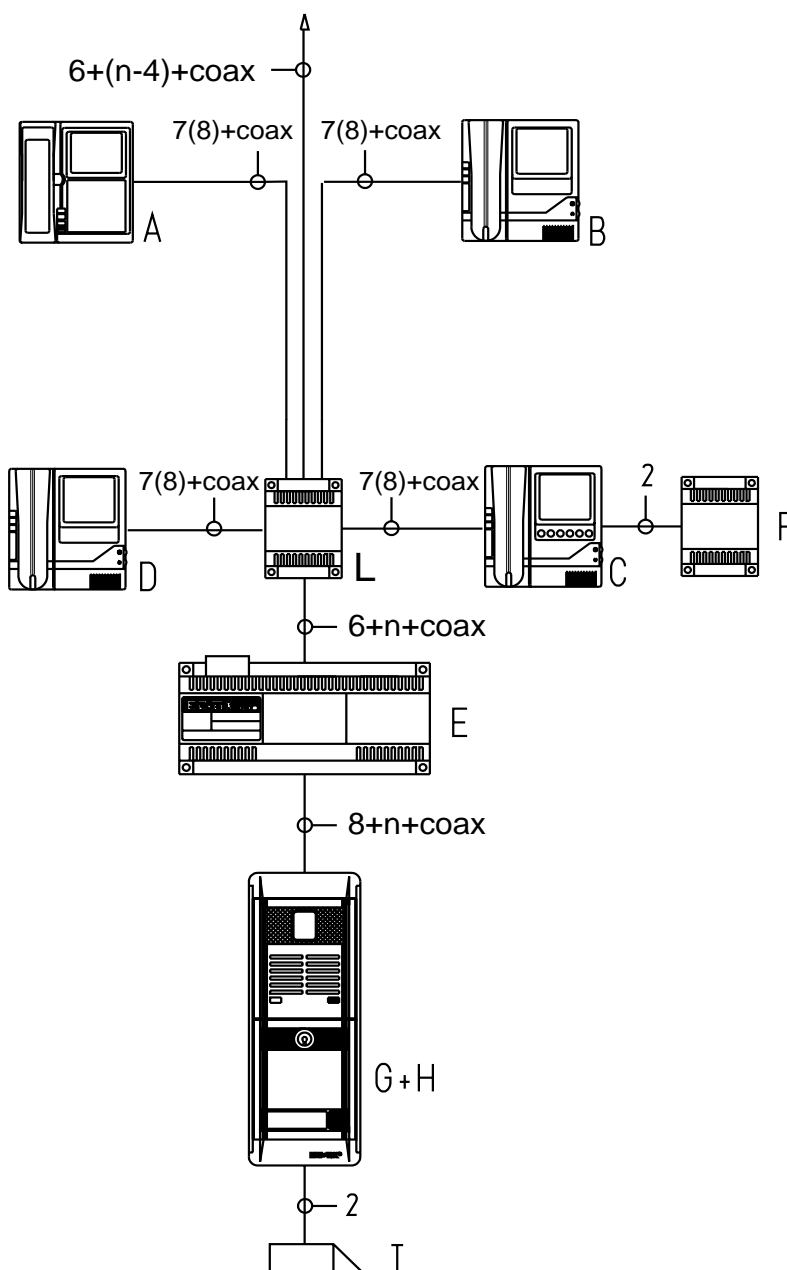
LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram ref. VC2044 without floor distributor, vc2939 with floordistributor, vc2936 with video recording function)

Diagram

Ref.	Art.	Name	Quantity
A	5404 - 5404/800 - (5404/COL)	Monitor	1÷n
B	5601/800	Monitor	1÷n
B	5600/800 + 5609	Monitor + back box	1÷n
C	5604/816B	Memovision monitor	1÷n
D	5604/800	Monitor	1÷n
E	6580	Power supply	1
F	5682	Power supply (only for Art. 5604/816B)	1÷n
G	5540-5449-3290, series 9000 and series PATAVIUM	Entrance panel	1
H	554-554/00R-558-559-570-571-(570/COL-559/COL)	Camera	1
I	-	Electric lock 12V A.C.	1
L	5556/004 - 6554	Video distributor	1÷n
n	-	Number of users	1÷n

N.B:

Install an extra wire for each device (between round brackets) if the floor video distributor is connected.



IMPORTANT:

Power supplies Art. 6580 - 6581 can switch on **two** Art. 5604/800 - 5404 - 5404/800 monitors simultaneously and **only one** Art. 5600/800 - 5601/800; to provide for switching on several Art. 5604/800 - 5404 - 5404/800 monitors simultaneously, install an Art. 5582/001 after the **second** monitor, and for switching on several Art. 5600/800 - 5601/800 monitors simultaneously, install an Art. 5582/001 after the **first** monitor (see drawings on pages 25/26/27). For MEMOVISION monitors, Art. 5582/001 is not necessary because Art. 5682, which must always be connected to the monitors with memory, also functions as a supplementary power supply.

BASIC DIAGRAM OF VIDEO DOOR ENTRY SYSTEM

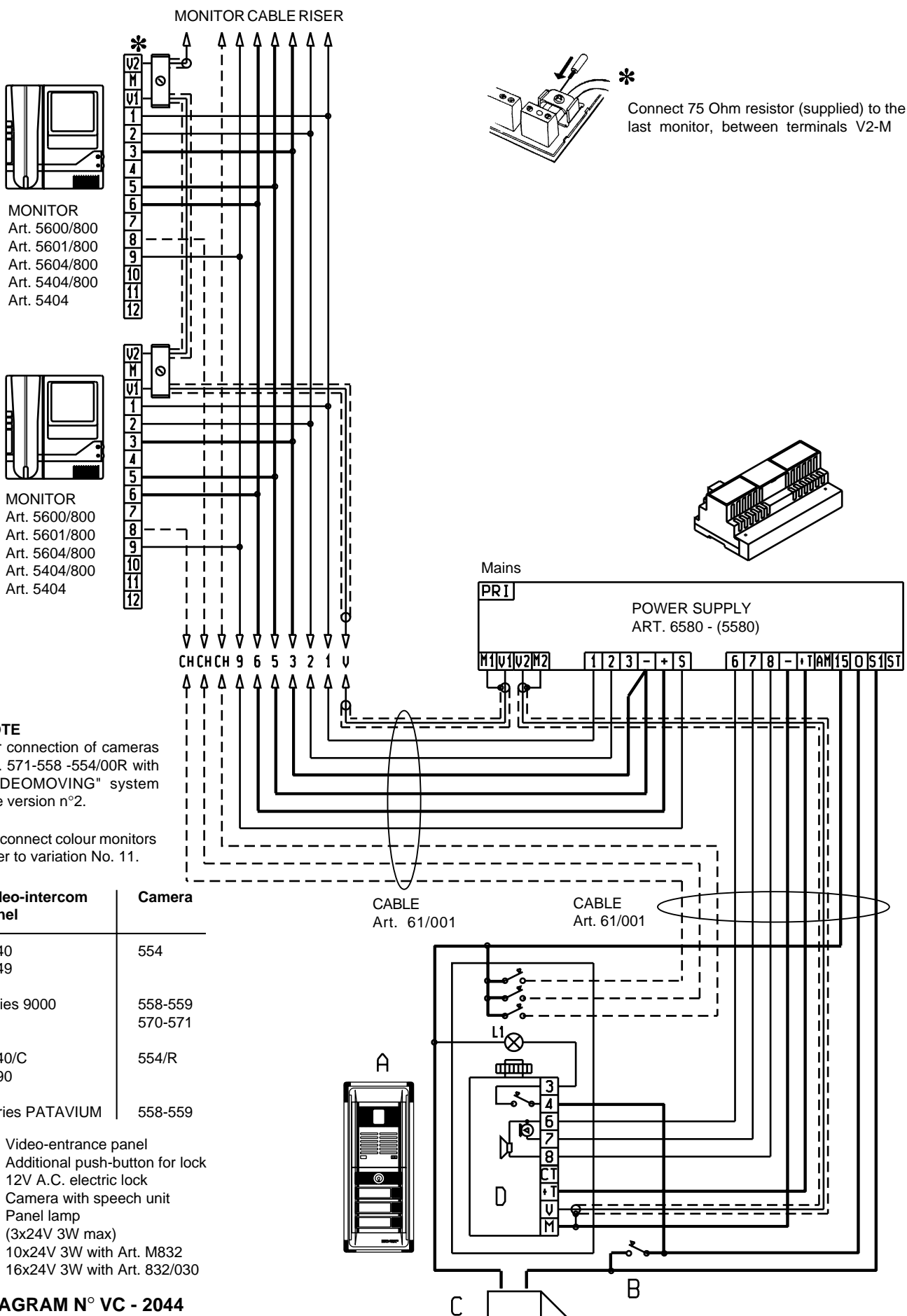





DIAGRAM N° VC - 2044

POWER SUPPLY TERMINALS
**SUGGESTED CONDUCTOR COLOUR
(Ref. Cable Art. 61/001)**

1:	Handset receiver	SKY BLUE] CONNECTIONS TO MONITORS
2:	Handset microphone	WHITE	
3:	N.U.	PINK	
- :	Negative terminal of monitor supply - Common phone line	BLACK SECT. 1mm	
+	Positive terminal of 18V D.C. 0.8A monitor supply	RED SECT. 1mm	
S:	Control of lock relay	BROWN] CONNECTIONS TO CAMERA ENTRANCE PANEL
M1-M2:	Block of coaxial cable shield		
V1-V2:	Block of video signal (standard CCIR-EIA)	COAXIAL CABLE	
6:	Common phone line for speech unit	PINK	
7:	Speech unit microphone	WHITE	
8:	Speech unit loudspeaker	SKY BLUE] CONNECTIONS TO CAMERA ENTRANCE PANEL
+T:	13V D.C. 0.3A camera supply	ORANGE	
- :	Negative line for camera supply	BLACK SECT. 1mm	
AM:	Short-circuited to negative line, it blocks monitor activation		
0:	0V	BROWN	
15:	15V 250mA voltage on continuous operation. For lock supply and push-buttons lighting lamps (3x24V 3W max.)	RED SECT. 1mm] CONNECTIONS TO CAMERA ENTRANCE PANEL
S1:	Wiring to electric lock	BLUE SECT. 1mm	
ST:	15V D.C. 50 mA output on continuous operation.		

MONITOR TERMINALS

1:	Handset receiver
2:	Handset microphone
3:	Common phone line
4:	Lamp push-button 
5:	Supply negative
6:	Supply positive
7:	Not in use (or monitor memory supply Art.5604/816B)
8:	Call on chime (min. 9V A.C.)
9:	Door lock push-button 
10:	12V D.C. output for video distributor
11-12:	Additional push-button with free contacts 
V1-M:	75-Ohm video cable connection: input
V2-M:	Video cable connection: output or 75-Ohm load on last resistor.

**CONDUCTOR SECTION DIAMETER FOR
VIDEO DOOR ENTRY SYSTEM(mm²)**

Terminals	up to 50 mt.	up to 100 mt.	up to 200 mt.
- + Lock +T	1mm²	1.5mm²	2.5mm²
Other	0.75mm²	1mm²	1.5mm²
Video	75-Ohm coaxial cable (type RG 59) or RG11 double insulation		

CONNECTION OF FLOOR VIDEO DISTRIBUTOR ART. 5556/004 O ART. 6554

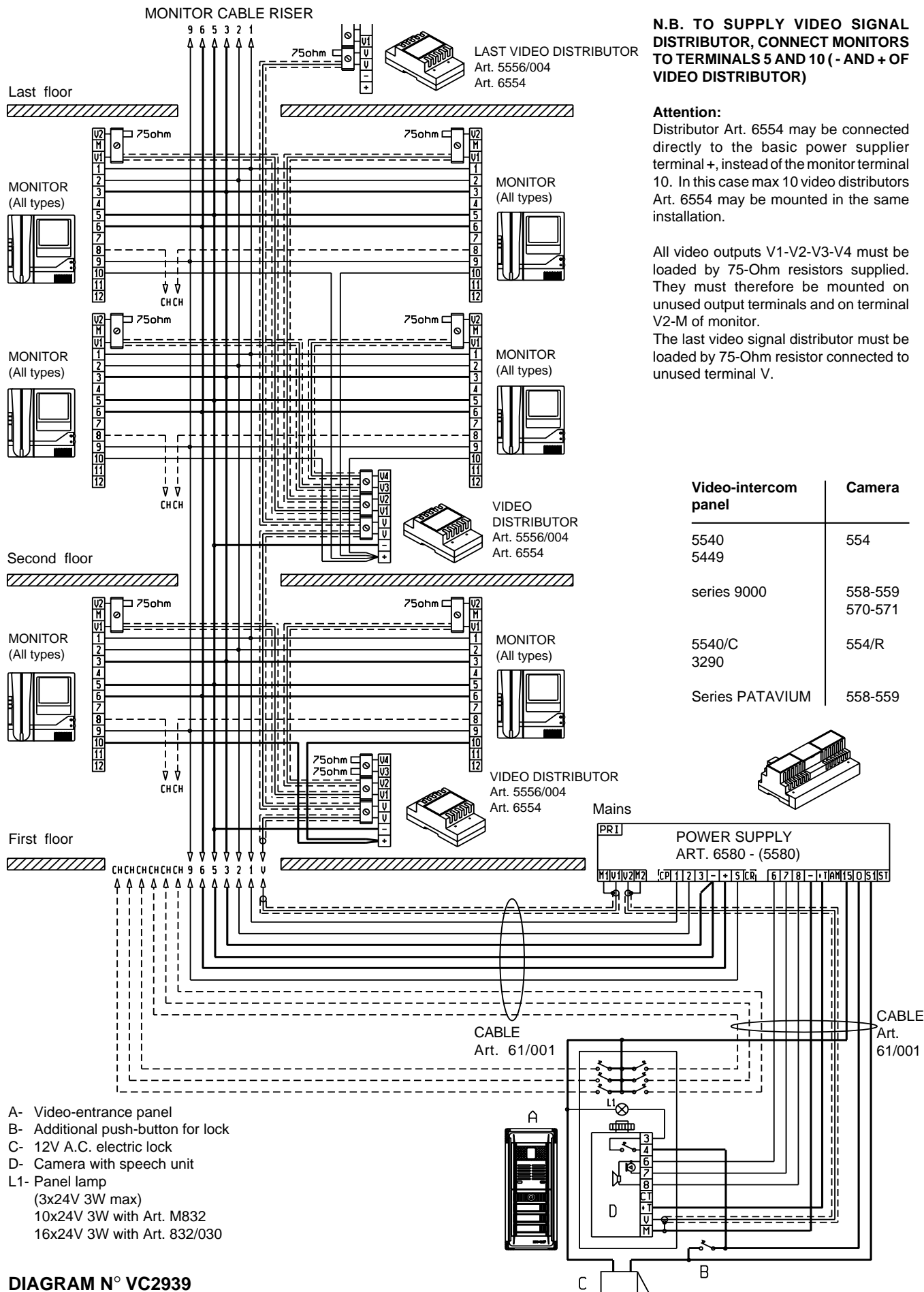
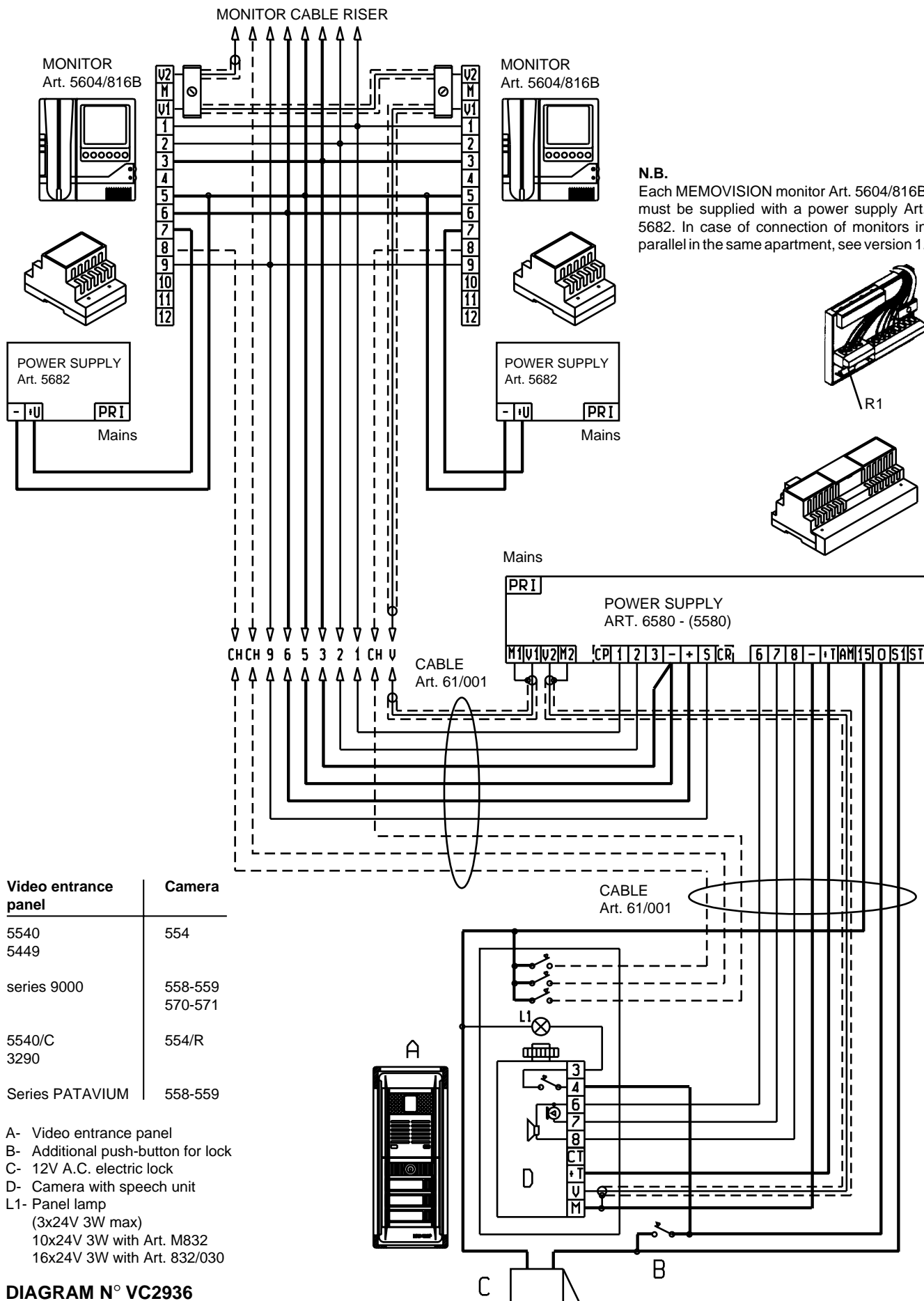


DIAGRAM N° VC2939

WIRING DIAGRAM OF MONITOR WITH BUILT-IN RECORDING FUNCTION ART. 5604/816B



N.B.

Each MEMOVISION monitor Art. 5604/816B must be supplied with a power supply Art. 5682. In case of connection of monitors in parallel in the same apartment, see version 1.

VIDEO DOOR ENTRY SYSTEM WITH SEVERAL MONITORS IN PARALLEL

SYSTEM DESCRIPTION

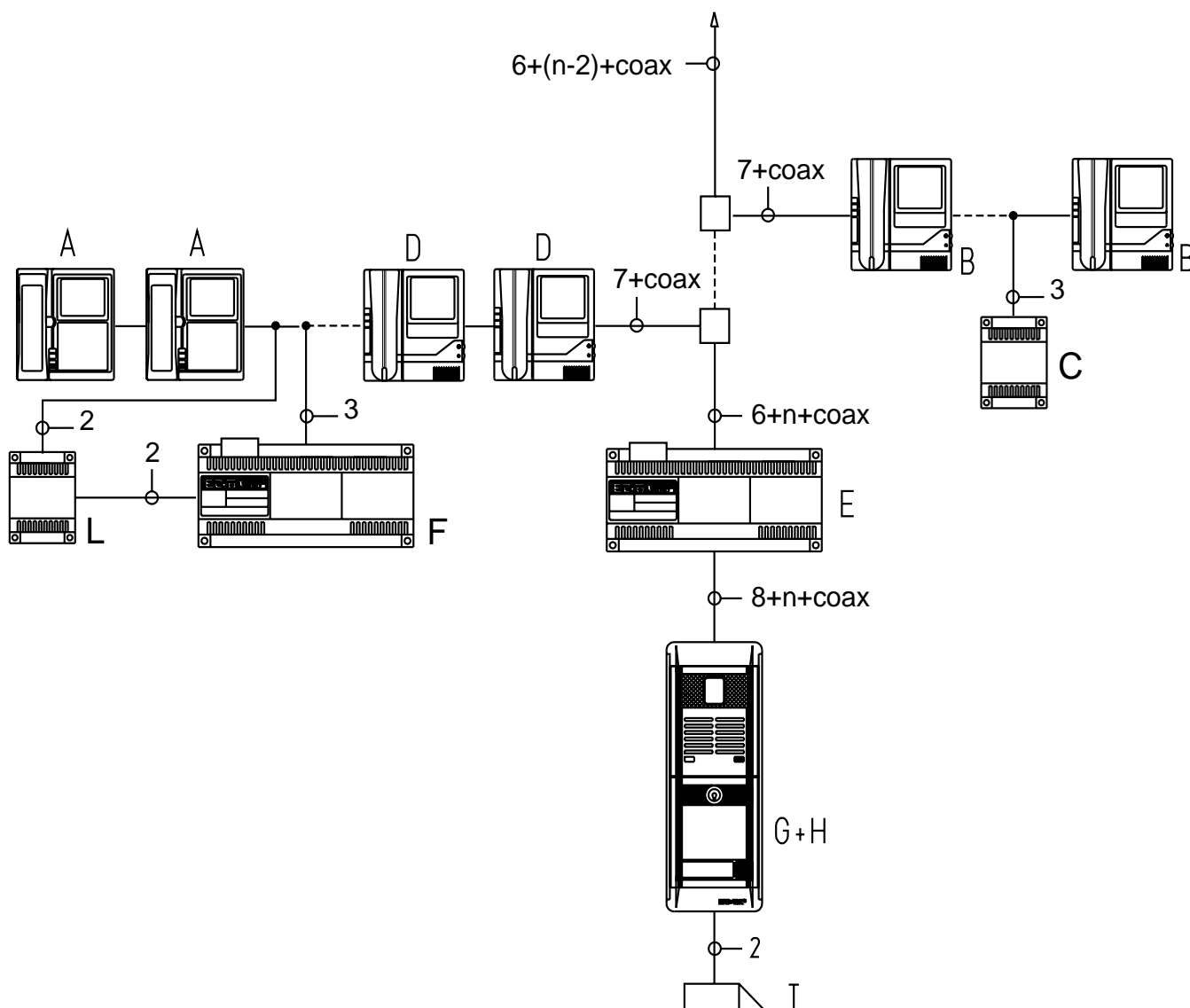
Power supply Art. 6580 can simultaneously feed one monitor Art. 5600/800 or 5601/800 or two monitors Art. 5404, Art. 5404/800 or Art. 5604/800 by connecting them as shown in the diagram. With more than two monitors working simultaneously, use power supply Art. 5582/001 for each monitor, or use desk conversion kits with built-in power supply (for Art. 5404, 5404/800 and 5604/800 only).

LIST OF ARTICLES REQUIRED FOR INSTALLATION

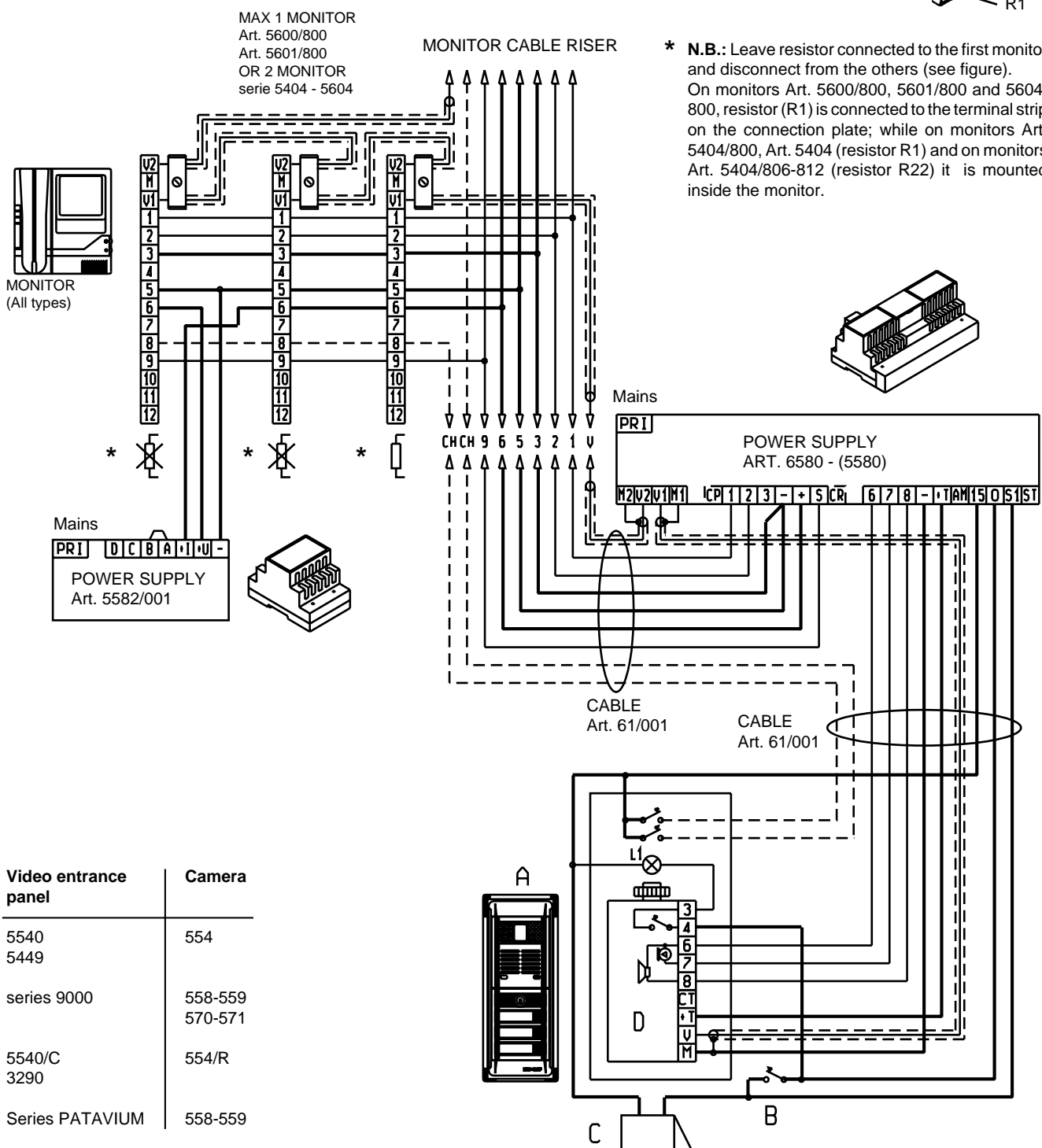
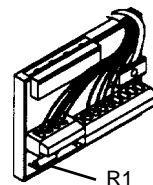
(Diagram ref. vc2937 with two or more monitor in parallel and power supply Art. 5582/001; vc2938 with two or more parallel monitors and power supply Art. 6583).

Diagram

Ref.	Art.	Name	Quantity
A	5404-5404/800-(5404/COL)	Monitor	1÷n
B	5601/800	Monitor	1÷n
B	5600/800 + 5609	Monitor + back box	1÷n
C	5582/001	Power supply	1÷n
D	5604/800	Monitor	1÷n
E	6580	Power supply	1
F	6583	Power supply	1÷n
G	5540-5449-3290, series 9000 and series PATAVIUM	Entrance panel	1
H	554-554/00R-558-559-570-571-(570/COL-559/COL)	Camera	1
I	-	Electric lock 12V C.A.	1
L	170/001	Relay	1÷n
n	-	Number of users	1÷n



CONNECTION OF TWO OR SEVERAL MONITORS WITH SIMULTANEOUS
SWITCHING AND POWER SUPPLY ART. 5582/001



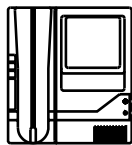
Video entrance panel	Camera
5540 5449	554
series 9000	558-559 570-571
5540/C 3290	554/R
Series PATAVIUM	558-559

- A- Video entrance panel
B- Additional push-button for lock
C- 12V A.C. electric lock
D- Camera with speech unit
L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030

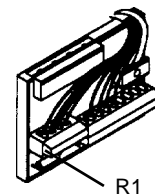
DIAGRAM N° VC2937

**CONNECTION OF TWO OR SEVERAL MONITORS WITH SIMULTANEOUS SWITCHING
AND POWER SUPPLY ART. 6583**

MAX 2 MONITOR
Art. 5600/800
Art. 5601/800
OR 4 MONITOR
Art. 5404/806
Art. 5404/812
Art. 5404/800
Art. 5604/800
Art. 5404



MAX 1 MONITOR
Art. 5600/800
Art. 5601/800
OR 2 MONITOR
Art. 5404/800
Art. 5404/806
Art. 5404/812
Art. 5604/800
Art. 5404



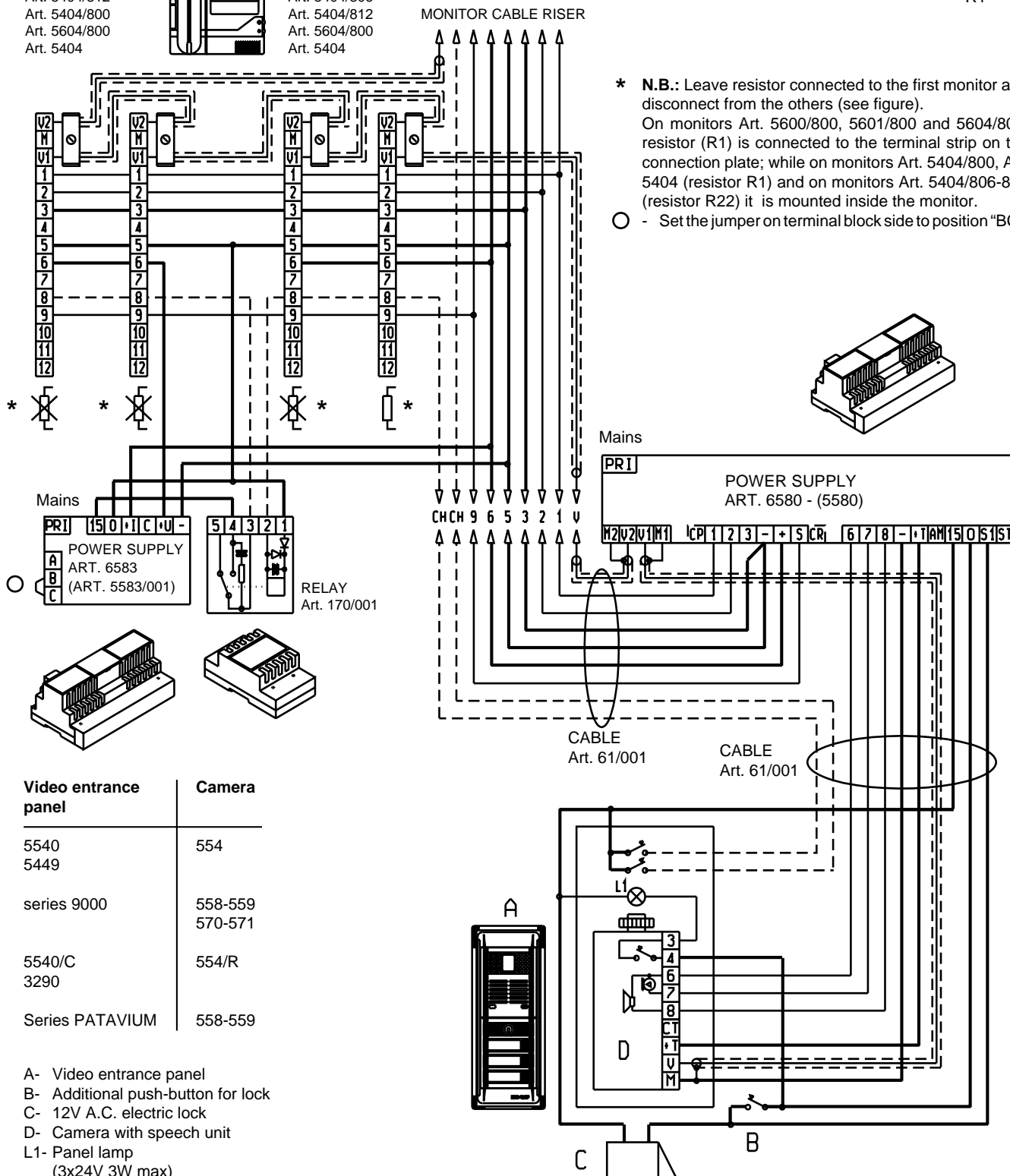
R1

MONITOR CABLE RISER

* **N.B.:** Leave resistor connected to the first monitor and disconnect from the others (see figure).

On monitors Art. 5600/800, 5601/800 and 5604/800, resistor (R1) is connected to the terminal strip on the connection plate; while on monitors Art. 5404/800, Art. 5404 (resistor R1) and on monitors Art. 5404/806-812 (resistor R22) it is mounted inside the monitor.

○ - Set the jumper on terminal block side to position "BC".



**Video entrance
panel**

Camera

5540	554
5449	
series 9000	558-559 570-571
5540/C 3290	554/R
Series PATAVIUM	558-559

- A- Video entrance panel
B- Additional push-button for lock
C- 12V A.C. electric lock
D- Camera with speech unit
L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030

SYSTEM DESCRIPTION

When two or more monitors must come on at the same time it is possible to connect only one power supply as shown in diagram. Power supply Art. 6583 can simultaneously power 2 monitors Art. 5600/800-5601/800 or 4 monitors Art. 5404-5404/800-5404/806-5404/812-5604/800.

DIAGRAM N° VC2938

TECHNICAL FEATURES OF POWER SUPPLY ART. 6581

Basic power supply for all video-intercom installation with possibility of communication with all appliances; in grey ABS housing; preset for mounting on cases with DIN 12-module support or with expanding plugs with screws.

- 230V A.C. 50Hz supply (other voltages on request)
- 60VA maximum absorbed power.
- 18V D.C. 0.8A monitor supply.
- 13V D.C. 0,3A camera supply.
- 15V rectified voltage 0,25A continuous duty for push- button illumination (3x24V 3W max)
- Amplified electric door-entry system.
- Timer and automatic disconnection device of monitor previously activated.
- Interchangeable cards for quick maintenance.
- Removable terminal blocks.

PROTECTION OF POWER SUPPLY:

- PTC SIEMENS type C840 primary coil of transformer,
- 1st. secondary coil for internal electronic supply by F 3,15A 250V (F1) fuse.
- 2nd. secondary coil for lock supply: F3A 250V (F2) fuse
- PTC SIEMENS Type C945 against short-circuits and overloadings on chimes and external call lines.
- Electronic protection against short-circuits and overloadings on monitor cable riser.
- Electronic protection against overloadings to outdoor unit.

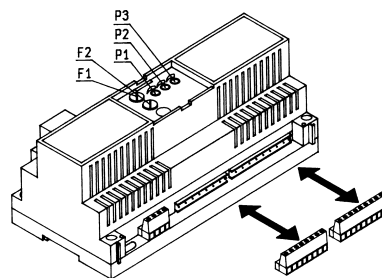
ADJUSTMENTS

P1 - Activation time adjustment for monitor and camera.

P2 - Volume adjustment of speech unit.

P3 - Activation time adjustment for electric lock.

Dimensions 6581: 208x135x72 - Weight: 1.4 Kgs.



REMOVABLE TERMINAL BLOCKS

OPERATION

The video door entry installation consists of one camera entrance panel, one power supply and one or more monitors.

When a push-button of entrance panel is pressed, the chime rings in the corresponding apartment. Almost immediately the image of the caller appears on the monitor. The camera coverage area is illuminated by invisible infrared LEDS incorporated in the camera.

If desired, the user may simply raise the handset, communicate with the caller and, if required, activate the door-lock release. In this case, door-opening time may be varied from 1 to 30 seconds using the potentiometer P3.

The system turns itself off automatically after a preset time, adjustable from 30 to 90 seconds using potentiometer P1 inside the power supply. If the caller presses another user's push-button, the previously called monitor is automatically deactivated without waiting for the end of the preset time. When testing the installed system, use trimmer P2 to adjust the optimal volume of the speech unit. For simultaneous activation of two or more monitors, one extra power supply (Art. 5582/001 or Art. 6583) must be installed for each additional monitor. A blocking circuit cuts off power to monitors if the line is overloaded or short-circuited. The power supply is also equipped with a specific device to eliminate any buzzing on the voice circuit caused by the use of wires that are too long and/or too thin. Push-buttons with name-tags are illuminated through output 0-15 on power supply. Up to a maximum number of three 24V 3W bulbs can be connected. An additional transformer, Art. M832 or 832/030 is required for entrance panels with more than three bulbs.

In this system the user can normally converse with the external entrance panel. If, however, power supplier Art. 6581 is installed, users can converse with internal units by excluding the entrance panel.

The external entrance panel is automatically disconnected by activation of the intercom call.

Conversation with the external entrance panel is restored when the handsets of the two internal units are replaced.

HOOK UP AND OPERATION

The power supply is Art. 5581-6581. The layout shows a monitor and nine intercommunicating interphones hooked up to each other and the outdoor unit. Either more or fewer monitors and interphones can be hooked up, but the total number must not exceed the number of buttons on the external panel (13). When the number of units is less than 13, only hook up the terminal blocks for the installed units, leaving out the call wires for the others.

Example: In the case of 5 intercom units (one monitor and 4 interphones as illustrated in the diagram above), connect terminal boards 1 to 5 to terminals 22 on the monitor and 11 on the interphones. Hook up as shown on the diagram, bearing in mind that the intercommunicating lines of the monitors (from terminal 15), correspond to the interphones (from terminal 4), except for the door lock button which is connected to terminal 9 for the monitors and terminal 7 for the interphones. The monitors have two buzzers, one for entry panel calls (monitor switches on automatically), and another for calls from other internal units. The interphones only have a buzzer for internal calls; install a supplementary bell Art. 2/817 for calls from the entry panel.

EXTERNAL CALLS:

When the entrance panel call buzzer sounds, lift the handset to talk with the caller.

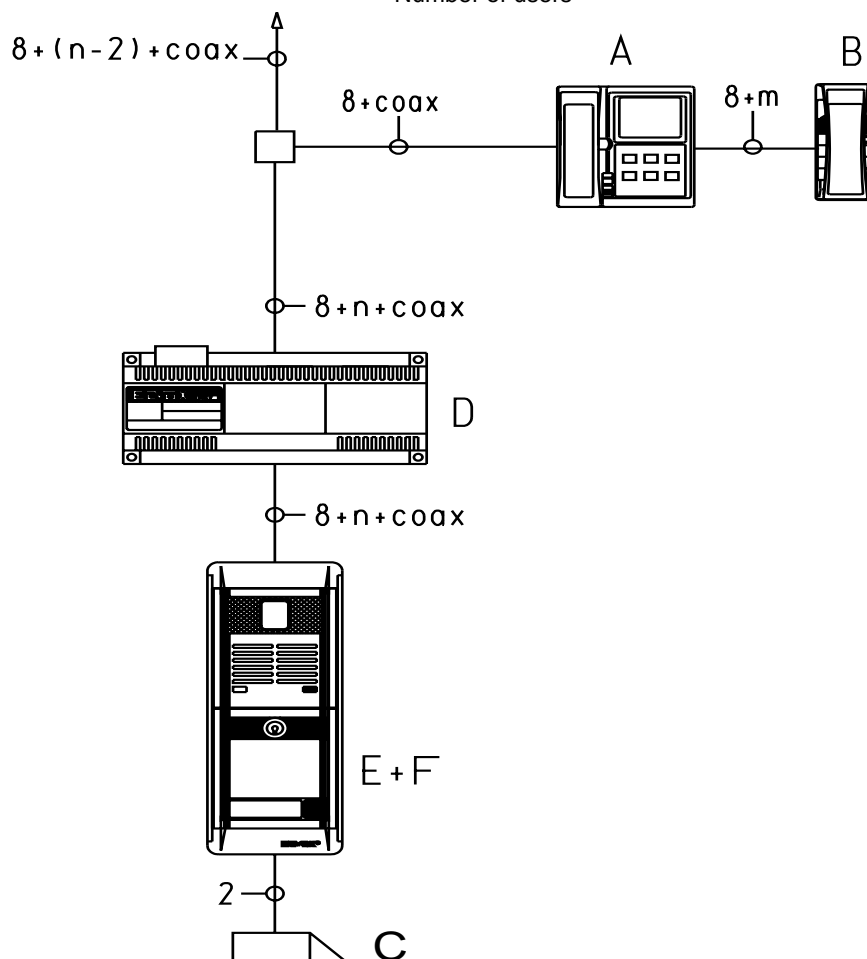
INTERNAL CALLS:

To make a call, lift the handset and press the button corresponding to the internal unit you wish to call. The entry panel is automatically cut out. To answer an external call while communicating with another unit, terminate the internal call by replacing both handsets; now lift the handset to answer the entry panel call. The entry panel is automatically routed in. The button marked with the key symbol on the monitors releases the door lock; the final button is for auxiliary functions. The other buttons are for calls to other internal units. In the case of the interphones, the first button releases the door lock, the other buttons are for internal calls.

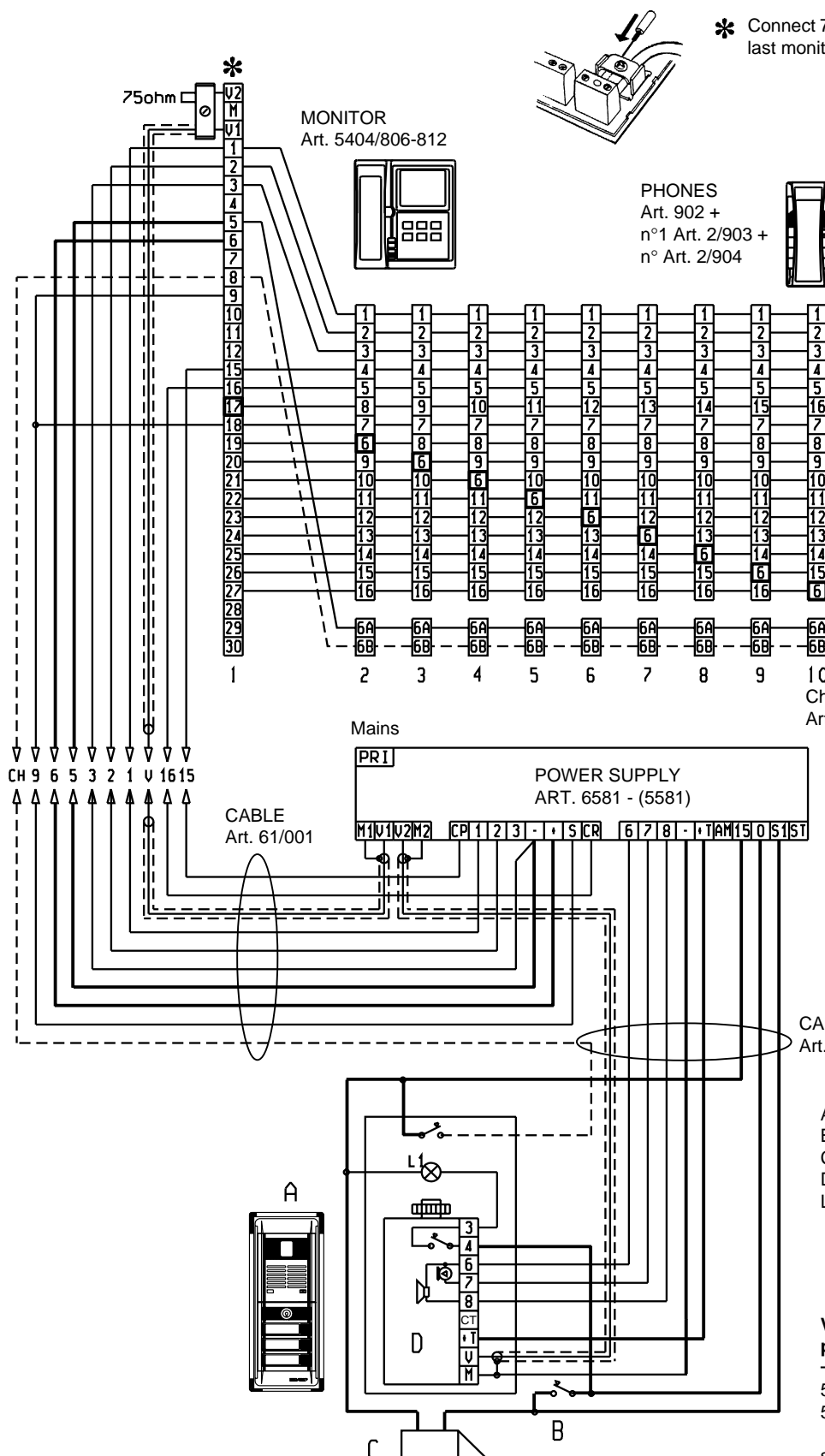
LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram ref. vc1893)

Diagram

Ref.	Art.	Name	Quantity
A	5404/806-812	Monitor	1÷n
B	902+2/903+n° 2/904	Phone + additional push-button	1÷n
C	-	Electric lock 12V A.C.	1
D	6581	Power supply	1
E	5540-5449-3290, series 9000 and series PATAVIUM	Entrance panel	1
F	554-554/00R-558-559-570-571	Camera	1÷n
m	-	Number of intercommunicating monitors or phones	
n	-	Number of users	



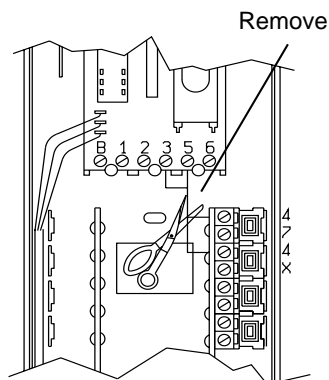
**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM FOR SINGLE RESIDENCE WITH
INTERCOMMUNICATING PHONES**



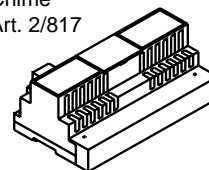
* Connect 75 Ohm resistor (supplied) to the last monitor, between terminals V2-M

N.B.

On Art. 902 cut bridge from terminals 3-4-5 near the first push-button and remove the remaining bridge between terminals 3 and 5 (see drawing). Art. 902 is supplied with only one push-button. To increase the push-button number; add one simple push-button Art. 2/903 and several pairs of additional push-buttons Art. 2/904 (max. 7 to obtain 16 push-buttons).



Chime
Art. 2/817



NOTE

For connection of cameras Art. 571-558-554/00R with "VIDEOMOVING" system see version n°2.

To connect colour monitors refer to variation No. 11.

CABLE
Art. 61/001

- A- Video entrance panel
- B- Additional push-button for lock
- C- 12V A.C. electric lock
- D- Camera with speech unit
- L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030

Video entrance panel	Camera
5540	554
5449	
series 9000	558-559 570-571
5540/C 3290	554/00R
Series PATAVIUM	558-559

DIAGRAM N° VC - 1893

POWER SUPPLY TERMINALS
**SUGGESTED CONDUCTOR COLOUR
(Ref. Cable Art. 61/001)**

- 1: Handset receiver
2: Handset microphone
3: N.U.
- : Negative terminal of monitor supply - Common phone line
+ : Positive terminal of 18V D.C. 0.8A monitor supply
S: Control of lock relay

SKY BLUE
WHITE
PINK
BLACK SECT. 1mm
RED SECT. 1mm
BROWN

CONNECTIONS TO
MONITORS

- M: Block of coaxial cable shield
V1-V2: Block of video signal (standard CCIR-EIA)

COAXIAL CABLE 75 Ohm

- 6: Common phone line for speech unit
7: Speech unit microphone
8: Speech unit loudspeaker
+T: 13V D.C. 0.3A camera supply
- : Negative line for camera supply
AM: Short-circuited to negative line, it blocks monitor activation
0: 0V
15: 15V 250mA voltage on continuous operation.
For lock supply and push-buttons lighting lamps
(3x24V 3W max.)
S1: Wiring to electric lock
ST: 15V D.C. 50 mA output on continuous operation.
CP-CR: 15V A.C. 0.5A supply for intercommunicating calls

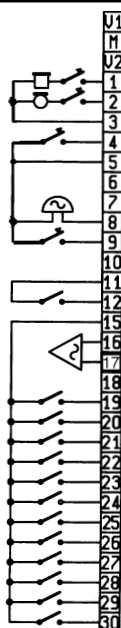
PINK
WHITE
SKY BLUE
ORANGE
BLACK SECT. 1mm
BROWN

RED SECT. 1mm
BLUE SECT. 1mm

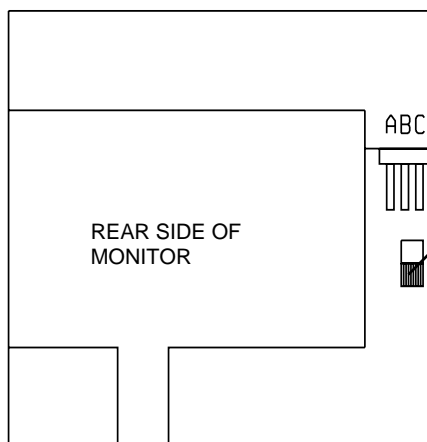
CONNECTIONS TO CAMERA
ENTRANCE PANEL

MONITOR TERMINALS
MONITOR ELECTRIC DIAGRAM Art. 5404/806-812

- 1: Handset receiver
2: Handset microphone
3: Common phone line
4: 2nd push-button Art. 5600-5601-5604-5404
5: Supply negative } 15V D.C. minimum
6: Supply positive } input voltage
7: Not in use (or monitor memory supply Art.5604/816B)
8: Call on chime (min. 9V A.C.)
9: Door lock push-button
10: 12V D.C. output for video distributor
11-12: Additional push-button with free contacts
15: Common intercommunicating push-buttons
16-17: Intercommunicating chime
18: Not in use
19-24: Intercommunicating push-buttons Art. 5404/800
19-30: Intercommunicating push-buttons Art. 5404/812
V1-M: 75-Ohm video cable connection: input
V2-M: Video cable connection: output or 75-Ohm
load on last resistor.



AB= 2 INTERCOMMUNICATING TONES
BC= 1 INTERCOMMUNICATING TONE

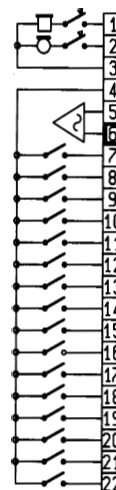


JUMPER

PHONE TERMINALS
PHONE ELECTRIC DIAGRAM

Art. 902 + n°1 Art. 2/903 + n° Art. 2/904

- 1: Handset receiver
2: Handset microphone
3: Common phone line
4: Common push-buttons
5: } Intercommunicating call chime
6: }
7: Door lock push-button
8: Auxiliary function push-button
9÷22: Intercommunicating call push-buttons



SYSTEM DESCRIPTION

The diagram shows the connection of two monitors and eleven interphones (all intercommunicating among them) with the outdoor unit. More or fewer monitors and interphones may be connected (see Figs. 1-2-3-4 on page 34), but the total number must not exceed 13 units corresponding to the number of push-buttons. When the total number of units is less than 13, only the terminal blocks the relevant intercommunicating units must be linked, excluding the call conductors of the exceeding numbers.

E.G.: with five intercommunicating units (two monitors and three interphones of the above diagram), the terminal blocks numbered from 1 to 5 up to terminals 22 of monitors and 11 of interphones must be connected. Carry out connections as shown in diagram, keeping in mind that the intercommunicating part of the monitors (from terminal 15 onwards) corresponds to the interphones (from terminal 4 onwards), with the exception of lock push-button which is connected to terminal 9 in the monitors and to terminal 7 in the interphones. Monitors are equipped with two chimes, one for external calls where monitors automatically come on, and one for intercommunicating calls. Interphones have only a buzzer for intercommunicating calls; It is possible to install a further buzzer type additional chime Art. 2/817 for calls from the outside.

OPERATING PRINCIPLE

External communications: when an external call is made, lift handset to communicate with caller.

Internal communications: lift handset and press push-button corresponding to desired interphone.

Outdoor unit is automatically excluded. If during an internal communication somebody calls from the entrance panel, both handsets must be hung up; for subsequent communication with caller, lift handset. Any conversation with speech unit or with other flats is automatically excluded. In monitors, push-button with key symbol operates the electric lock. ON/OFF key must always be switched on: it may be switched off only in case of long absences. Last push-button is spare. The other push-buttons are for intercommunicating calls.

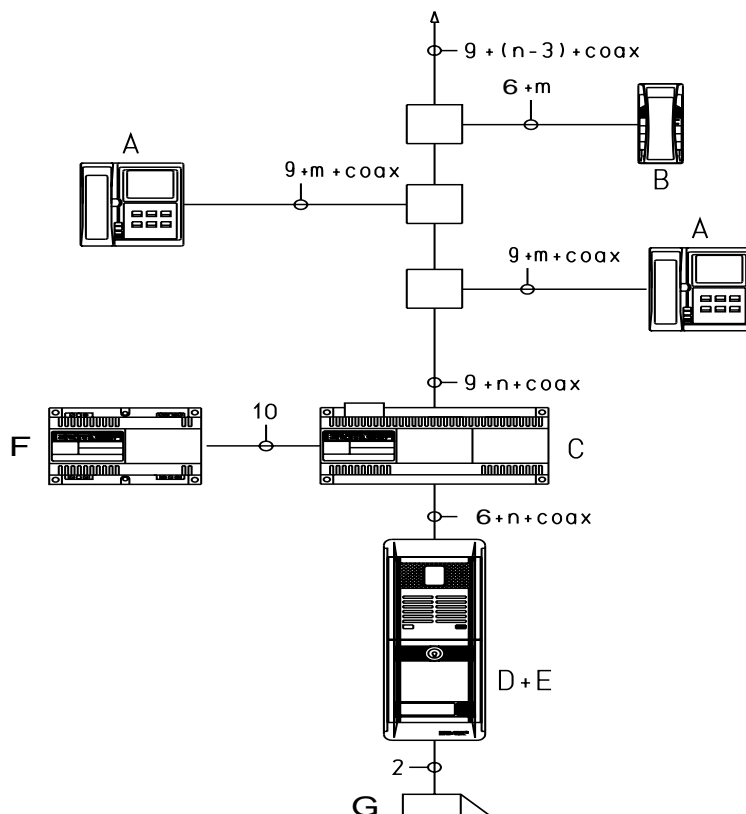
On interphones, the first push-button operates the electric lock, the others are used for intercommunicating calls.

N.B. This installation may be carried out in a single apartment or in several apartments by using switching module Art. 5493/800 for each intercommunicating network.

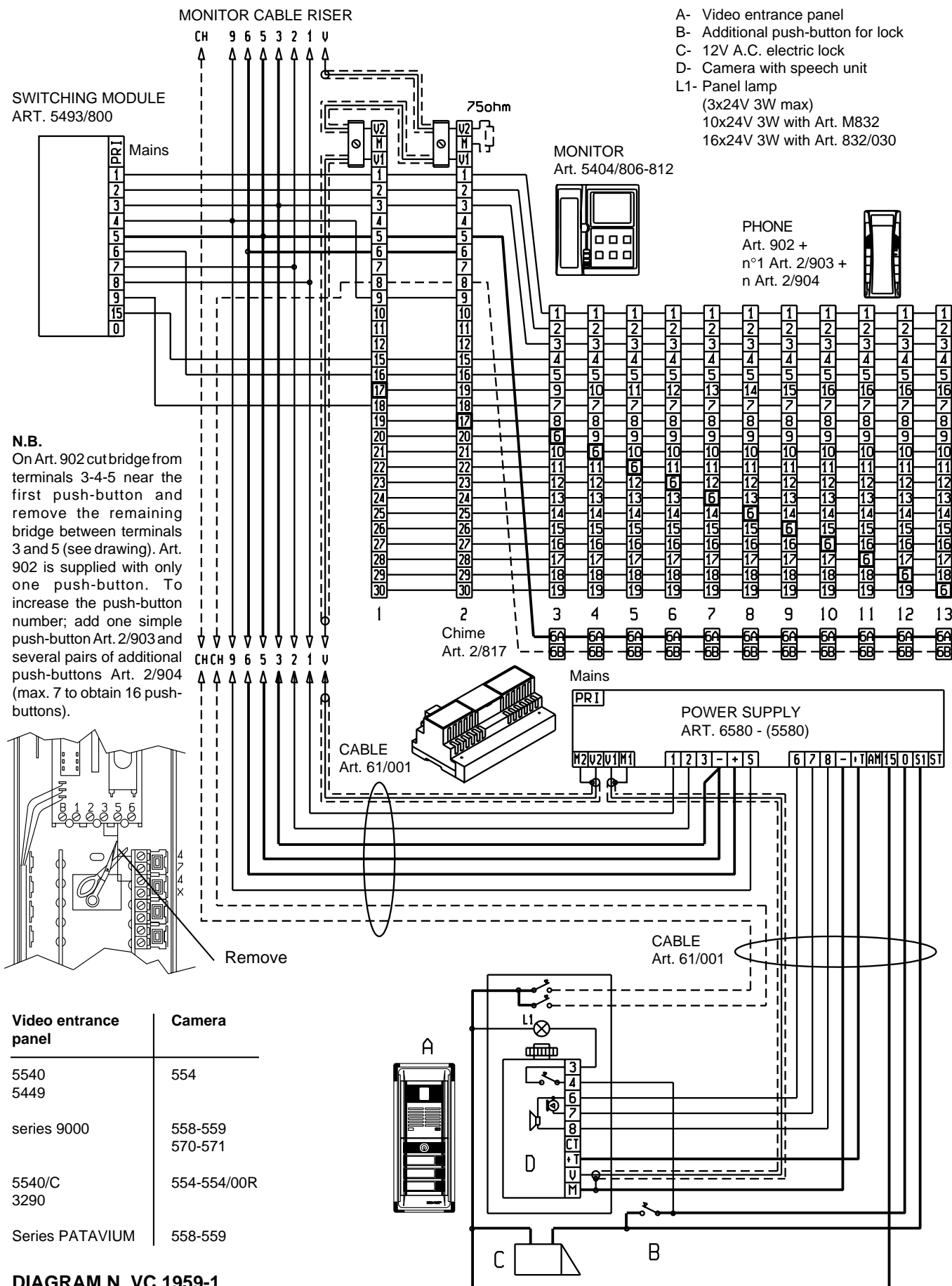
LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram ref. VC1959-1)

Diagram

Ref.	Art	Name	Quantity
A	5404/800-5600/800-5601/800-5604/800	Monitor	1÷13
B	902 + n° 1 Art. 2/903 + n. Art. 2/904	Phone	1÷12
C	6580	Power supply	1
D	5540-5449-3290 series 9000 and series PATAVIUM	Entrance panel	1
E	554-554/00R-558-559-570-571	Camera	1
F	5493/800	Switching module	1
G	-	Electric lock 12V A.C.	1
m	-	Number of intercommunicating monitors or phones	2÷13
n	-	Number of entrance panel calls	1÷n

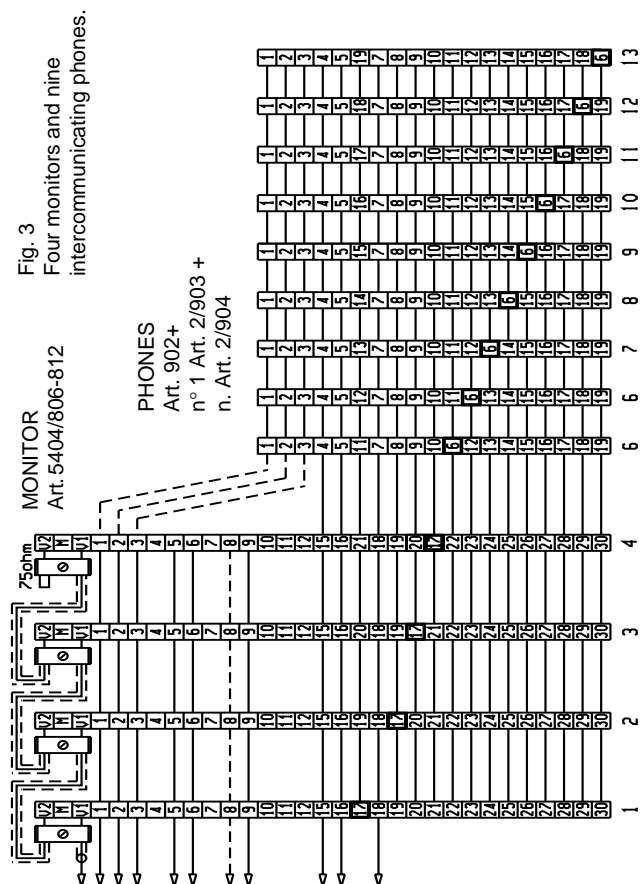
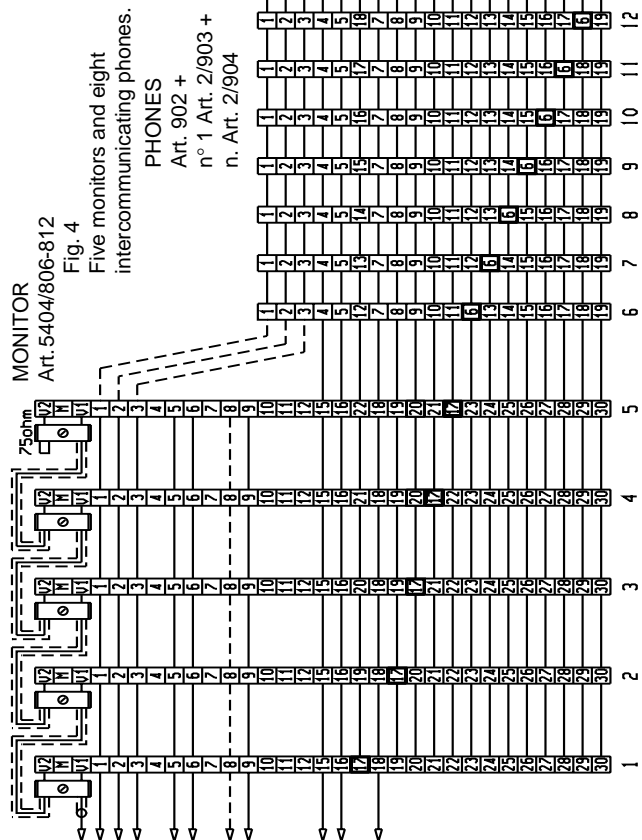
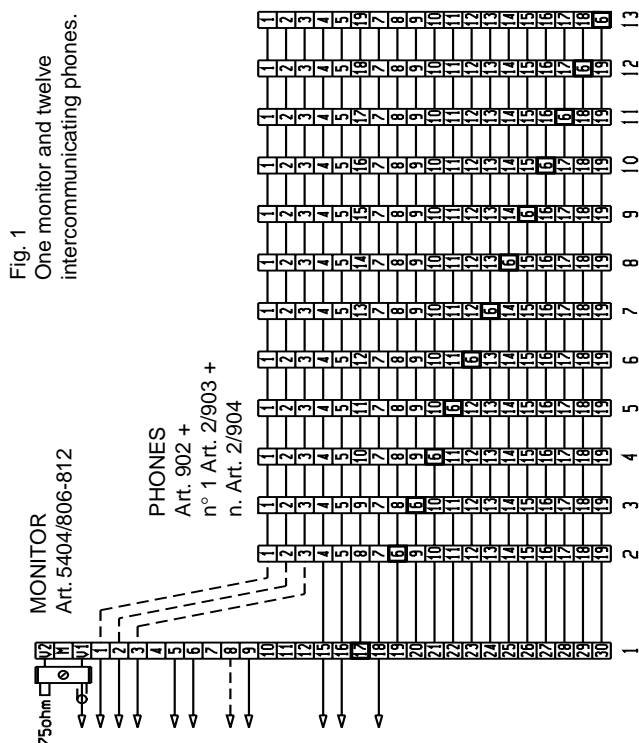
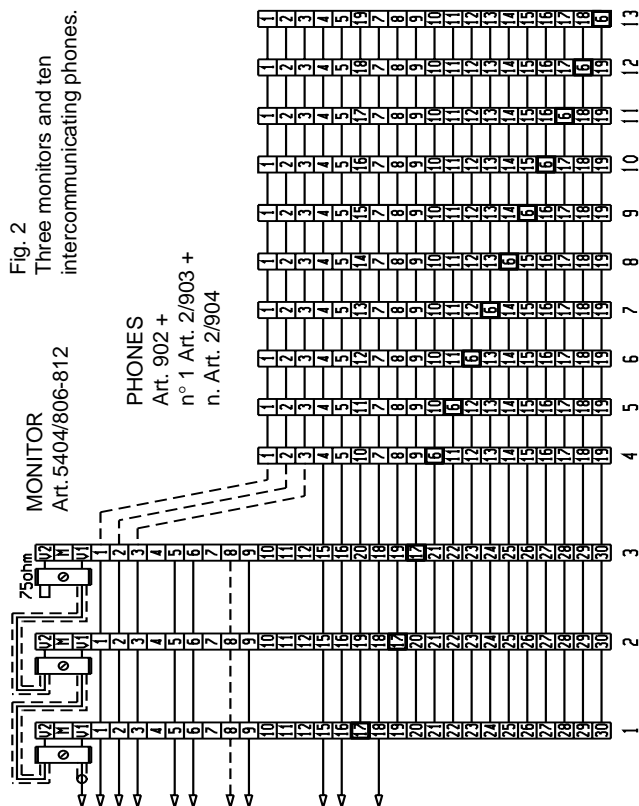


**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM FOR MULTI RESIDENCE WITH
INTERCOMMUNICATING MONITORS AND PHONES IN SINGLE APARTMENT**



Note: These wiring diagrams refer to a single residence installation. Call line (monitor terminal no. 8) allows simultaneous activation of all appliances. On installations for double residences or several intercommunicating apartments, terminal no. 8 of each monitor will be connected to entrance panel corresponding push-button. For a simultaneous activation of several monitors use an additional power supply Art. 5582/001 for each monitor added to the first one (see diagram vc2937 page 26)

DIAGRAM N. VC2195-1



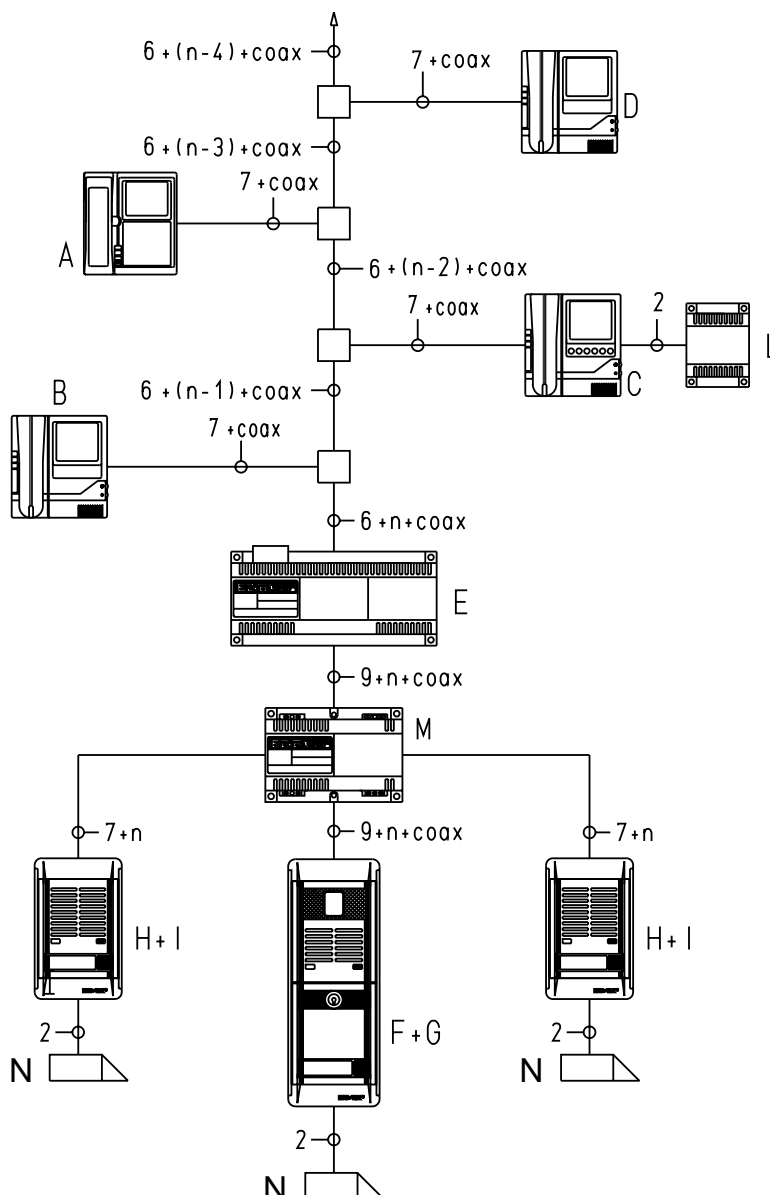
VIDEO DOOR ENTRY SYSTEM WITH SEVERAL OUTDOOR UNITS, ONE VIDEO ONLY
OPERATING PRINCIPLE

When a caller presses a call button on an external entrance panel, the audio/video function and door lock release are automatically activated for that entrance panel while the other entrance panels remain disabled. The last call made is given priority over all preceding calls.

N.B: If the call is from an audio-only panel the monitors stay switched off.

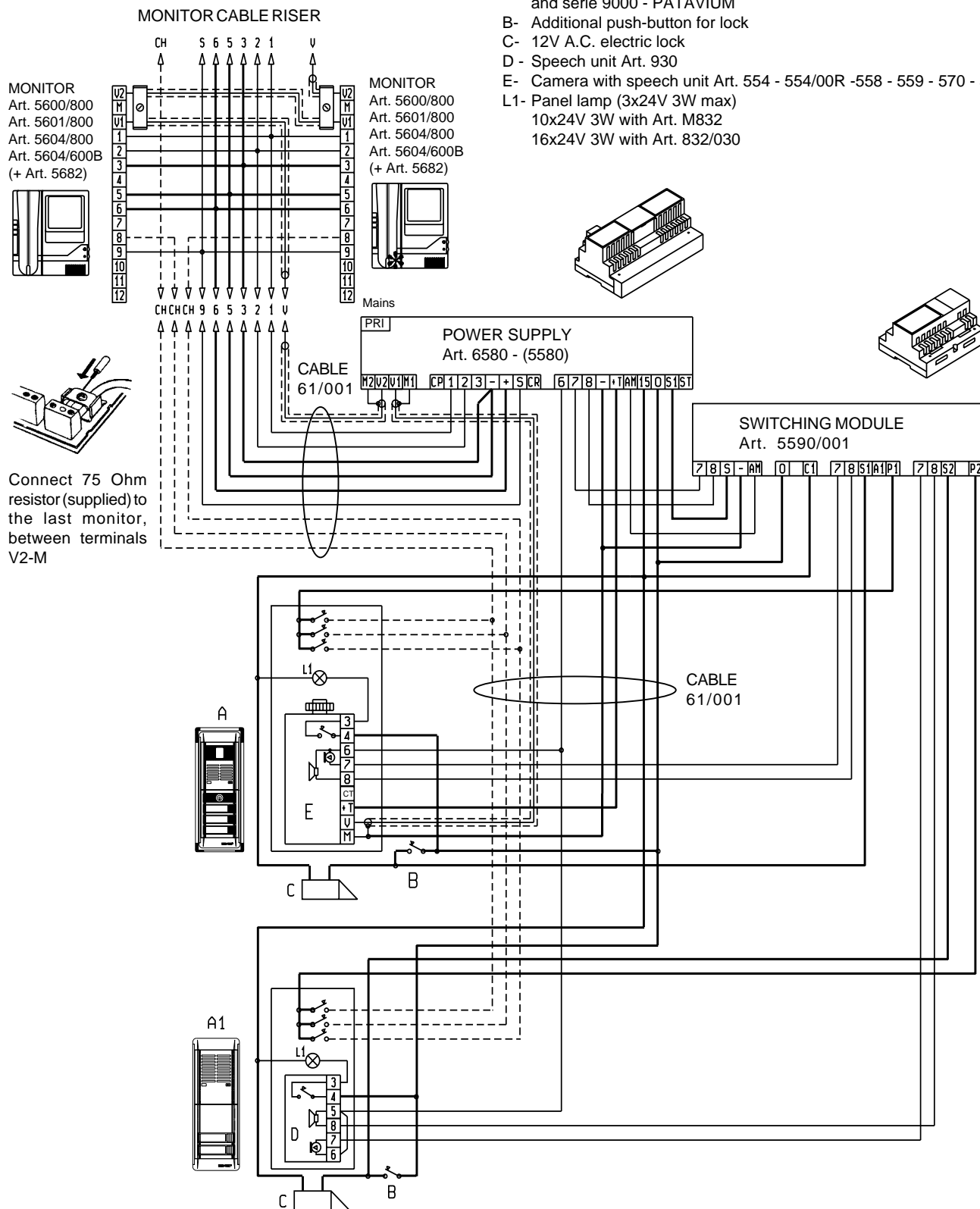
LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram Ref. VC2192-1, 2193-1)
Diagram

Ref.	Art.	Name	Quantity
A	5404/800	Monitor	1÷n
B	5600/800 + 5609	Monitor + Back box	1÷n
C	5604/816B	Memovision monitor	1÷n
D	5601/800-5604/800	Monitor	1÷n
E	6580	Power supply	1
F	5540-5449-3290, series 9000 and series PATAVIUM	Video entrance panel	1
G	554-554/00R-558-559-570-571	Camera	1
H	2900-2990-2970-3200 and series 9000	Audio entrance panel	1
I	930	Speech unit	1
L	5682	Power supply	1÷n
M	5590/001-5590/303	Switching module	1
N	-	Electric lock 12V A.C.	1
n	-	Entrance panel call number	1÷n



WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM WITH TWO ENTRANCE PANELS, ONE AUDIO ONLY, WITH AUTOMATIC SWITCHING MODULE ART. 5590/001

- A1- Entrance panel
Art. 2900/... - 2970/... - 2990/... - 3200/... series 9000
and series PATAVIUM
- A- Video entrance panel Art. 5540/... - 3290/... - 5449/...
and serie 9000 - PATAVIUM
- B- Additional push-button for lock
- C- 12V A.C. electric lock
- D - Speech unit Art. 930
- E- Camera with speech unit Art. 554 - 554/00R - 558 - 559 - 570 - 571
- L1- Panel lamp (3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030



WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM WITH THREE ENTRANCE PANELS, ONE VIDEO ONLY, WITH AUTOMATIC SWITCHING MODULE ART. 5590/303

- A1- Entrance panel
Art. 2900/... - 2970/... - 2990/... - 3200/...
series 9000 and series PATAVIUM
- A- Video entrance panel
Art. 5540/... - 3290/... - 5449/...
- B- Additional push-button for lock
series 9000 and PATAVIUM
- C- 12V A.C. electric lock
- D- Speech unit Art. 930 - 130/056 - 830
- E- Camera with speech unit
Art. 554 - 554/00R - 558 - 559 - 570 - 571
- L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030

Connect 75 Ohm resistor (supplied) to the last monitor, between terminals V2-M

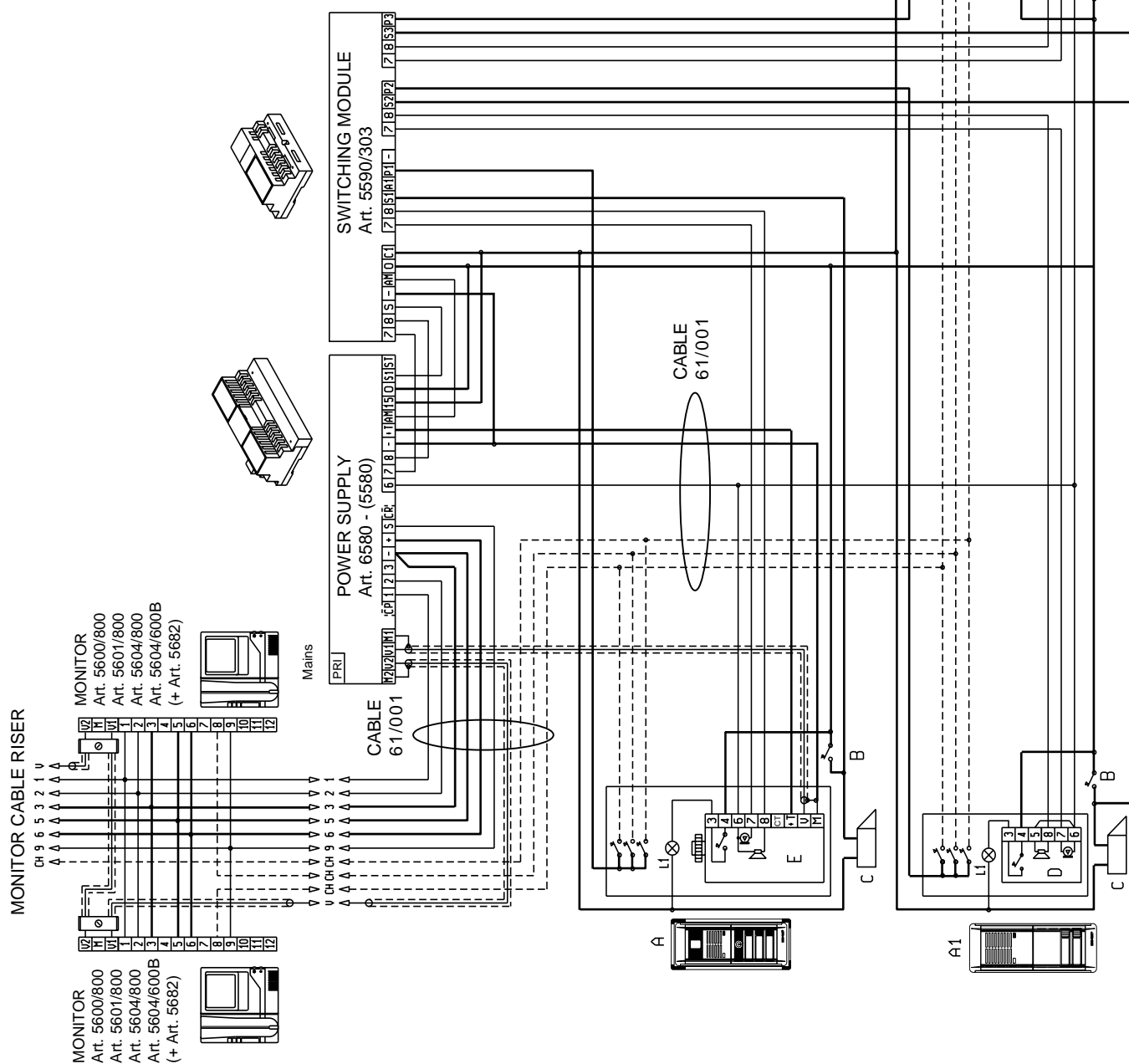
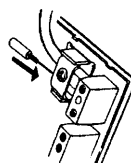


DIAGRAM N° VC 2193-1

VIDEO DOOR ENTRY SYSTEM WITH TWO OR SEVERAL VIDEO OUTDOOR UNITS
LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram Ref. VC2156-2, VC2176-2)
Diagram

Ref.	Art.	Name	Quantity
A	5404/800	Monitor	1÷n
B	5600/800 + 5609	Monitor + Back box	1÷n
C	5604/816B	Memovision monitor	1÷n
D	5601/800-5604/800	Monitor	1÷n
E	6580	Power supply	1
E1	5682	Power supply	1÷n
F	5540-5449-3290, series 9000 and series PATAVIUM	Video entrance panel	1
G	554-554/00R-558-559-570-571	Camera	1
H	6591 - (6592)	Switching module	1
H1	6592	Switching module	1
I	2/690	Harness for power supply and switching module	1
L	2/591	Harness for switching modules	1
M	832 or 832/030	Transformer	1
N	-	Electric lock 12V A.C.	1
n	-	Number of entrance panel calls	1÷n

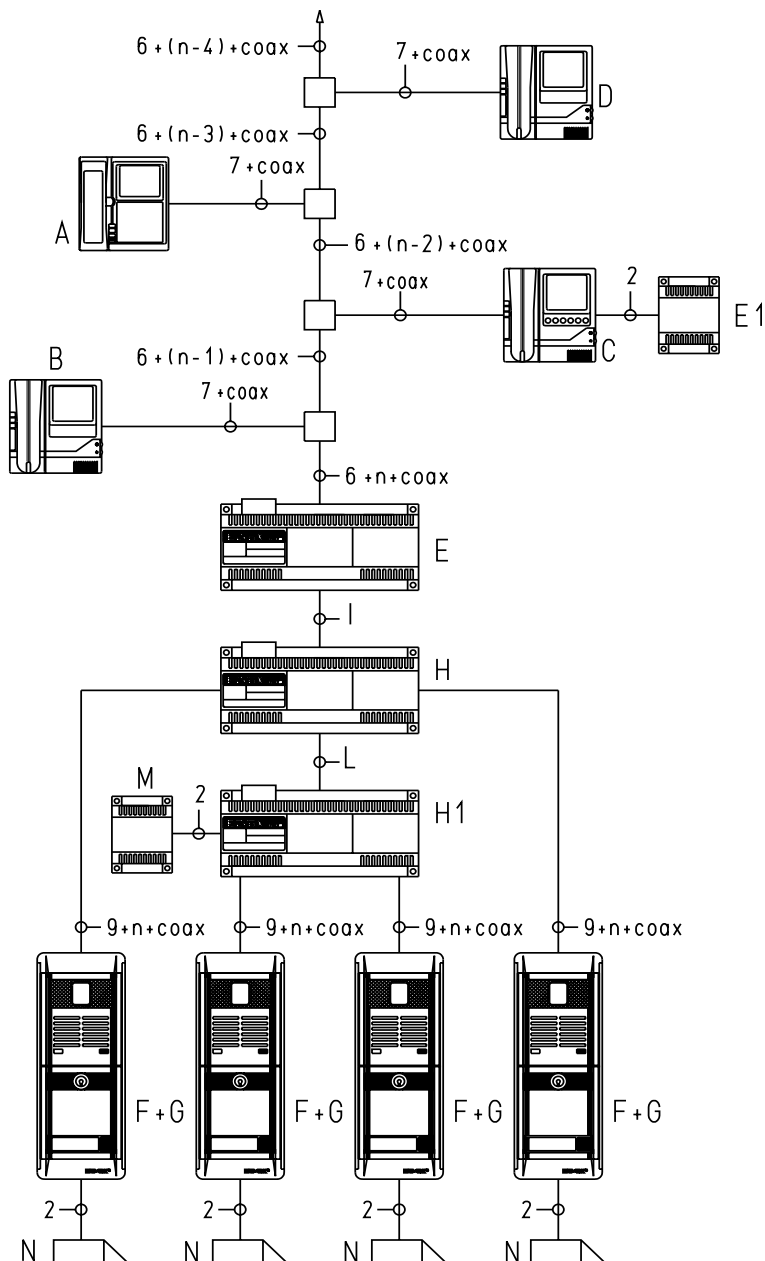
OPERATING PRINCIPLE

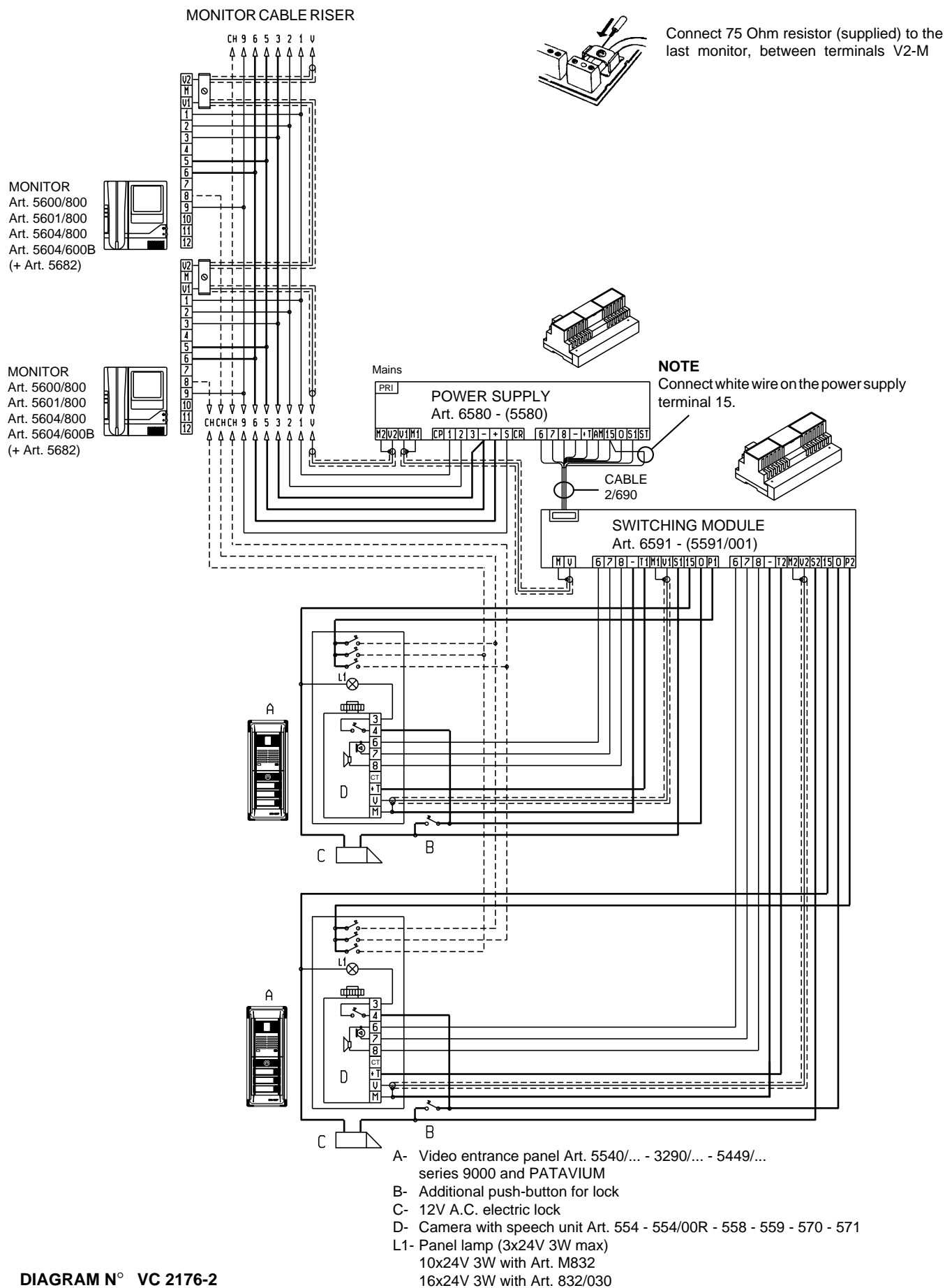
When a caller presses a call button on an external entrance panel, the audio/video function and door lock release are automatically activated for that entrance panel while the other entrance panels remain disabled. The last call made is given priority over all preceding calls.

N.B.

Switching module Art. 6591 is used only for two video entrance panels.

For additional entrance panels, several switching modules Art. 6592 are used connected in parallel among them with proper harnesses.



**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM WITH TWO VIDEO ENTRANCE PANELS WITH
 AUTOMATIC SWITCHING MODULE ART. 6591**

DIAGRAM N° VC 2176-2

MAIN FEATURES OF SWITCHING MODULE ART. 6592

Programmable automatic switching module for two camera entrance panels.

This unit is supplied with programming bridges preset for automatic operation.

When a call is made from one of the two entrance panels, video, audio and electric lock functions are automatically switched. These switching modules have been designed for installations with several outdoor units and may be connected in series. A special device enables activation of installation from inside by an additional push-button on the monitor, and also enables sequential switching of all camera entrance panels. Installations with several switching modules require transformer Art. M832 for each module after the first (see wiring diagram). Wiring between power supply and switching module and between switching modules, in the case of several outdoor units, are facilitated by following harnesses:

2/690 black for wiring between power supply and switching module.

2/591 white for wiring between switching modules.

OPERATION

This module is equipped with 7 bridges, P1, P2, P3, P4, P5, P6 and P7 which when properly set, modify switching as follows:

- P1** DISACTIVATION OF AUTOMATIC LIGHTING PRIORITY
If bridge is removed, monitor self-activation blocks possible communication of entrance panel with another user.
- P2 - P3** 1st ENTRANCE PANEL PRIORITY - 2nd ENTRANCE PANEL PRIORITY
If bridge is removed, corresponding panel loses its priority. (Entrance panel with priority can interrupt communication of any entrance panel without priority). It is advisable to insert "ENGAGED-WAIT" module Art.2/291 into entrance panel without priority, which takes the place of a button in the outdoor unit.
- P4 - P5** LIGHTING OF VIDEO FUNCTION ON 1st ENTRANCE PANEL - LIGHTING OF VIDEO FUNCTION ON 2nd ENTRANCE PANEL
If bridge is removed, monitors do not come on when calls are made from corresponding entrance panel. (To be used when entrance panel has no camera)
- P6** EXCLUSION OF 2nd ENTRANCE PANEL
If bridge is removed, entrance panel is excluded from the cyclical sequence of monitor self-activation.
- P7** CLOSING ON LAST SWITCHING MODULE
If several switching modules are used, leave bridge activated only on last unit.

**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM WITH TWO VIDEO ENTRANCE PANELS AND
AUTOMATIC SWITCHING MODULE ART. 6592**

Connect 75 Ohm resistor (supplied) to the last monitor, between terminals V2-M

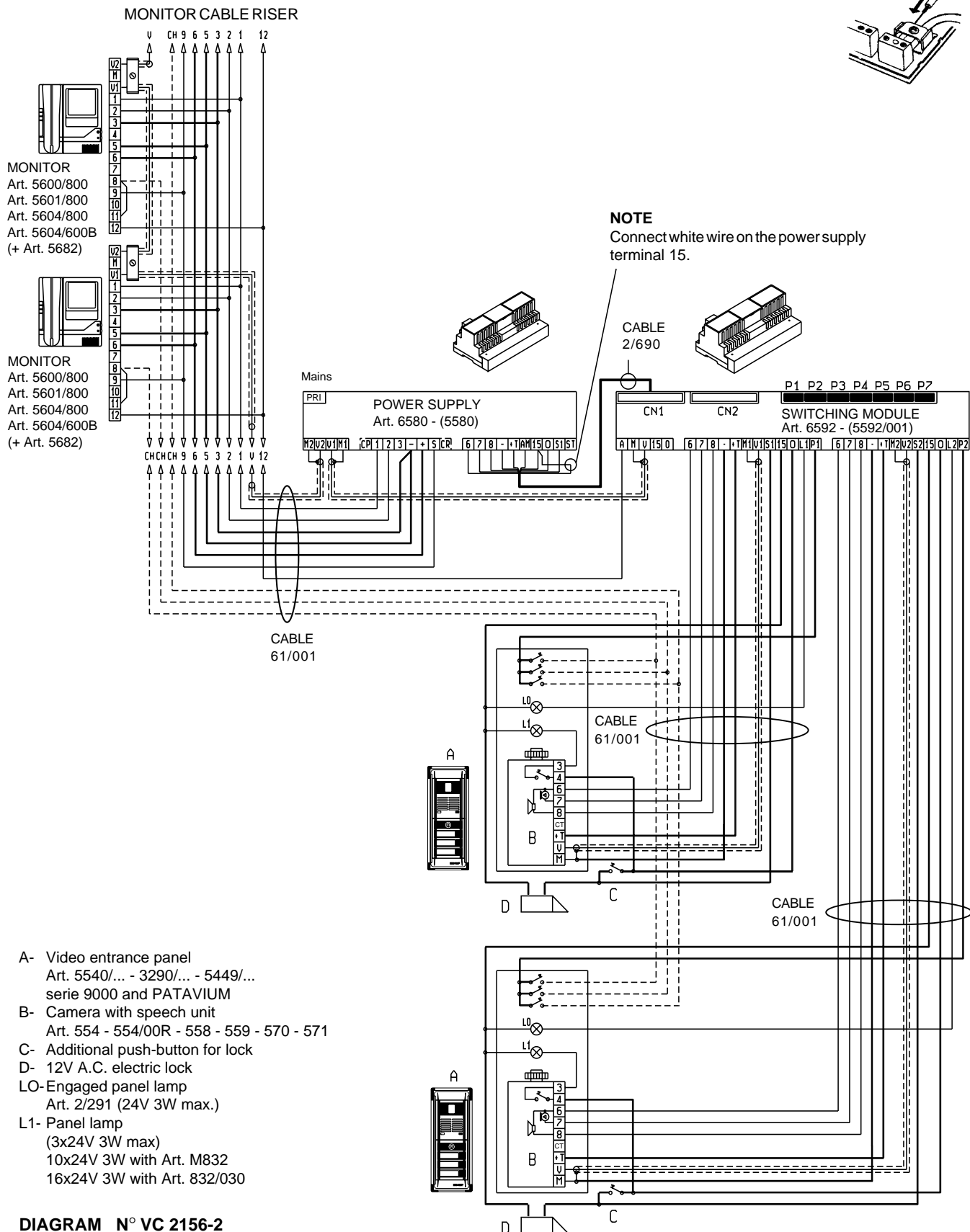
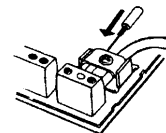


DIAGRAM N° VC 2156-2

**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM WITH SEVERAL ENTRANCE PANELS AND
AUTOMATIC SWITCHING MODULE ART. 6592**

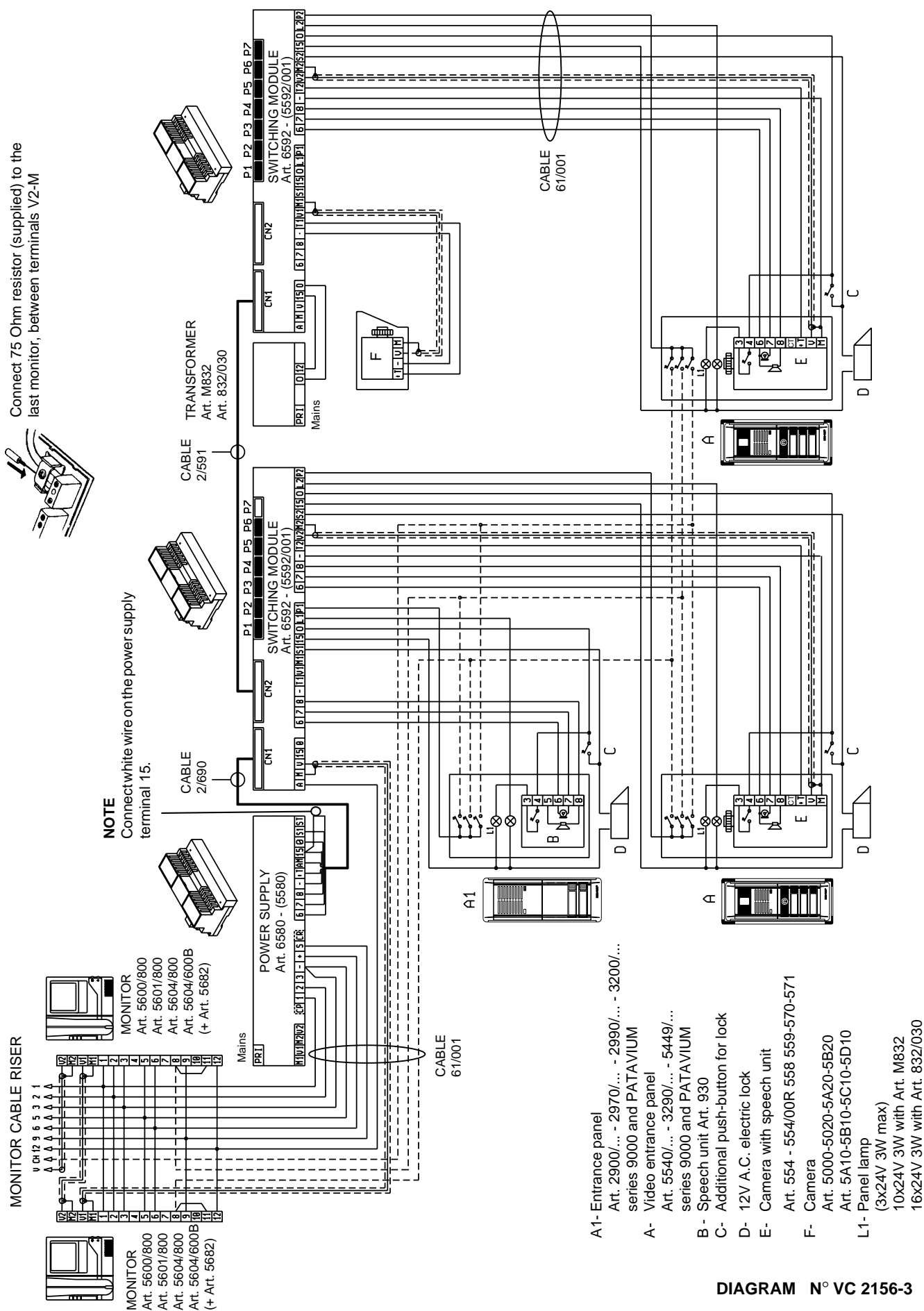



DIAGRAM N° VC 2156-3

OPERATING PRINCIPLE

Installation allows video-audio operation between door station and monitors (or interphones) in apartments.

Switchboard operation determines the following operation: during internal operation (key IE released and part I switched on), switchboard allows private conversations between it and the interphones.

To communicate from interphones to switchboard: raise handset and press push-button with  symbol.

To answer from switchboard, operator must press the key corresponding to the light on.

Switchboard is provided with a 50Hz acoustic signal indicating busy line. An electronic device also switches all calls from entrance panel to door-keeper's bell. During external operation (key E-I pressed down and part E switched on), switchboard allows conversation without privacy between interphones and entrance panel. Switchboard operator can communicate only with the entrance panel. Calls from entrance panel are sent directly to interphones. The same push-button used to call switchboard operates door lock release by a special relay mounted on switchboard.

In switchboards with more than 80 lines a multiplier key allows doubling of line number, i.e. every key enables insertion of two different users.

To communicate from switchboard to an interphone:

- lift handset
- choose white or red lamp, corresponding to desired interphone, using multiplier key.
- press line selector key, the lamp with the same colour as the multiplier key lamp chosen, comes on.

To connect a different line, press multiplier key again. All other functions are the same.

To replace a lamp extract it using tweezers (supplied), after removing top part of key.

LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram Ref. VP2038)

Diagram

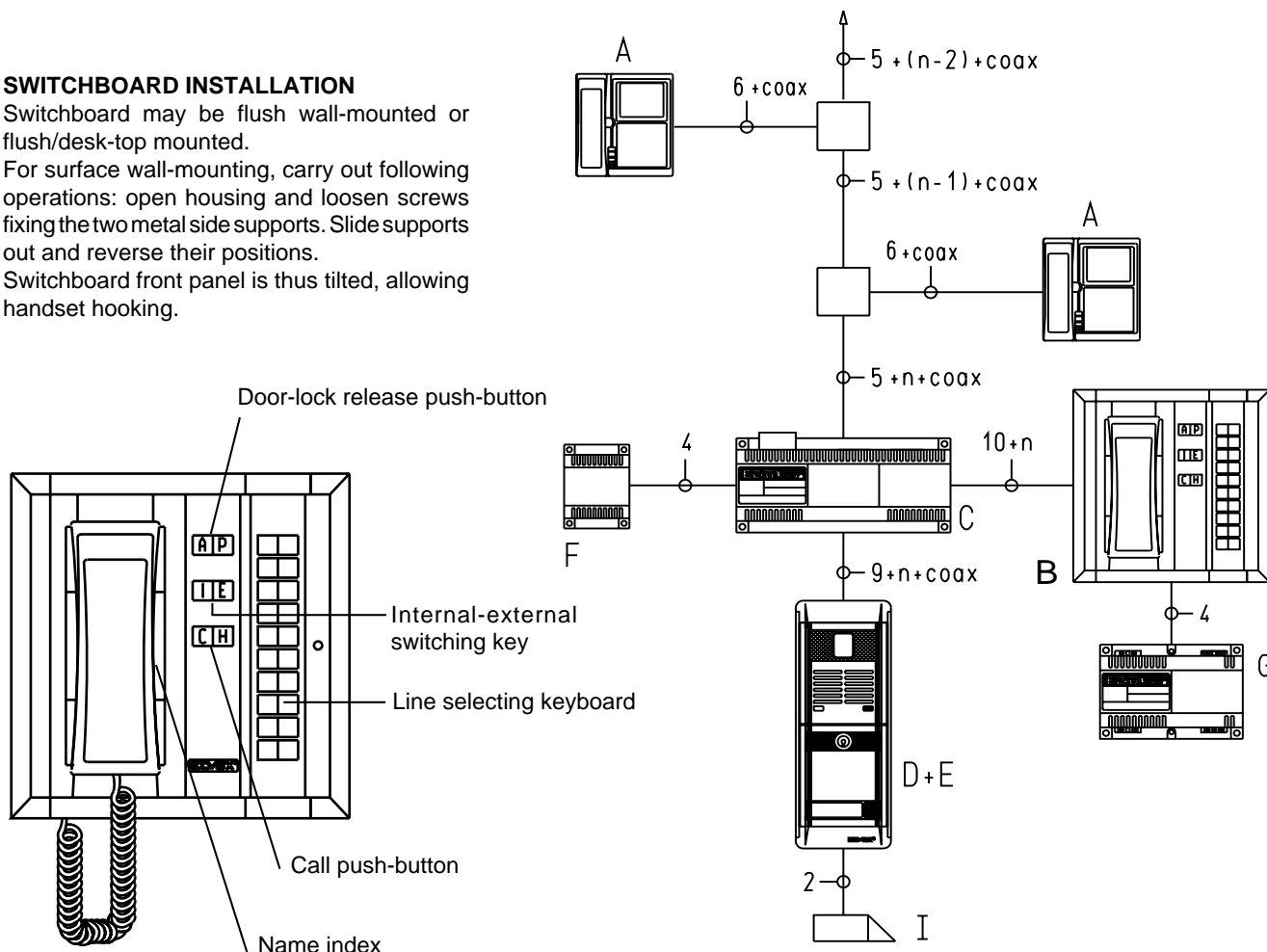
Ref.	Art.	Name	Quantity
A	5404/800	Monitor	1÷n
B	152/...	Switchboard	1
C	6580 - (5580)	Power supply	1
D	5540-5449-3290 series 9000 and series PATAVIUM	Video entrance panel	1
E	554-554/00R-558-559-570-571	Camera	1
F	170/001	Relay	1
G	836/030	Power supply	1
I	-	Electric lock 12V A.C.	1
n	-	Number of entrance panel calls	

SWITCHBOARD INSTALLATION

Switchboard may be flush wall-mounted or flush/desk-top mounted.

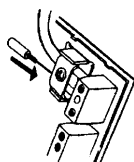
For surface wall-mounting, carry out following operations: open housing and loosen screws fixing the two metal side supports. Slide supports out and reverse their positions.

Switchboard front panel is thus tilted, allowing handset hooking.



WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM WITH SWITCHBOARD ART. 152

MONITOR CABLE RISER



MONITOR
Art. 5404/800

MONITOR
Art. 5404/800

Mains

POWER SUPPLY
Art. 6580 - (5580)

Rrelay
ART. 170/001

POWER SUPPLY
ART. 836/030 30VA

Mains

SWITCHBOARD
ART. 152/...

PHONE
Art. 900-902

DISTRIBUTOR
ART. 5556/004 - 6554



CABLE
61/001

- A- Video entrance panel
Art. 5540/... - 3290/... - 5449/...
series 9000 and PATAVIUM
- B - Camera with speech unit
Art. 554 - 554/00R 558 559-570-571
- C- Additional push-button for lock
- D- 12V A.C. electric lock
- E- Door-keeper's bell
- F- Camera
Art. 5000-5020-5A20-5B20
- L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030

N.B.
On Arts. 900-902 cut bridge between terminals 3 and 5.

DIAGRAM N° VP2038

OPERATING PRINCIPLE

Use power supply Art. 6584, which allows connection of various apartment blocks with a main entrance panel. Every single block may be equipped with an entrance panel with or without camera and monitors in each apartment. Main door station may have a camera entrance panel with names of all users in all buildings.

Art. 6594 in every apartment block, selects audio-video-door-lock connection of calling entrance panel (main and secondary).

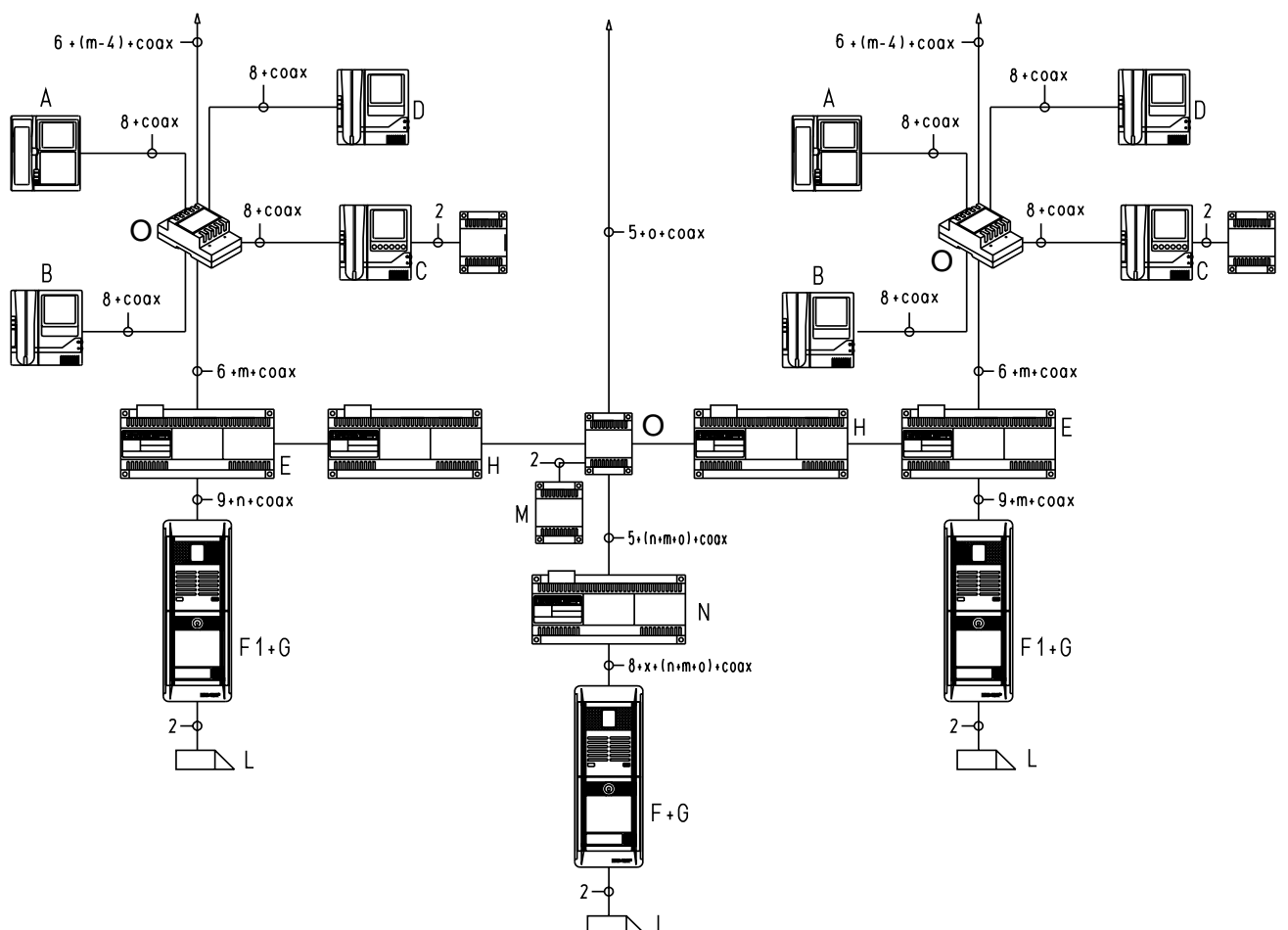
Any building is thus perfectly independent and enables simultaneous communication of monitors, in every apartment with its own entrance panel.

LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram ref. VC1930-VC2309-VC2310)

Diagram

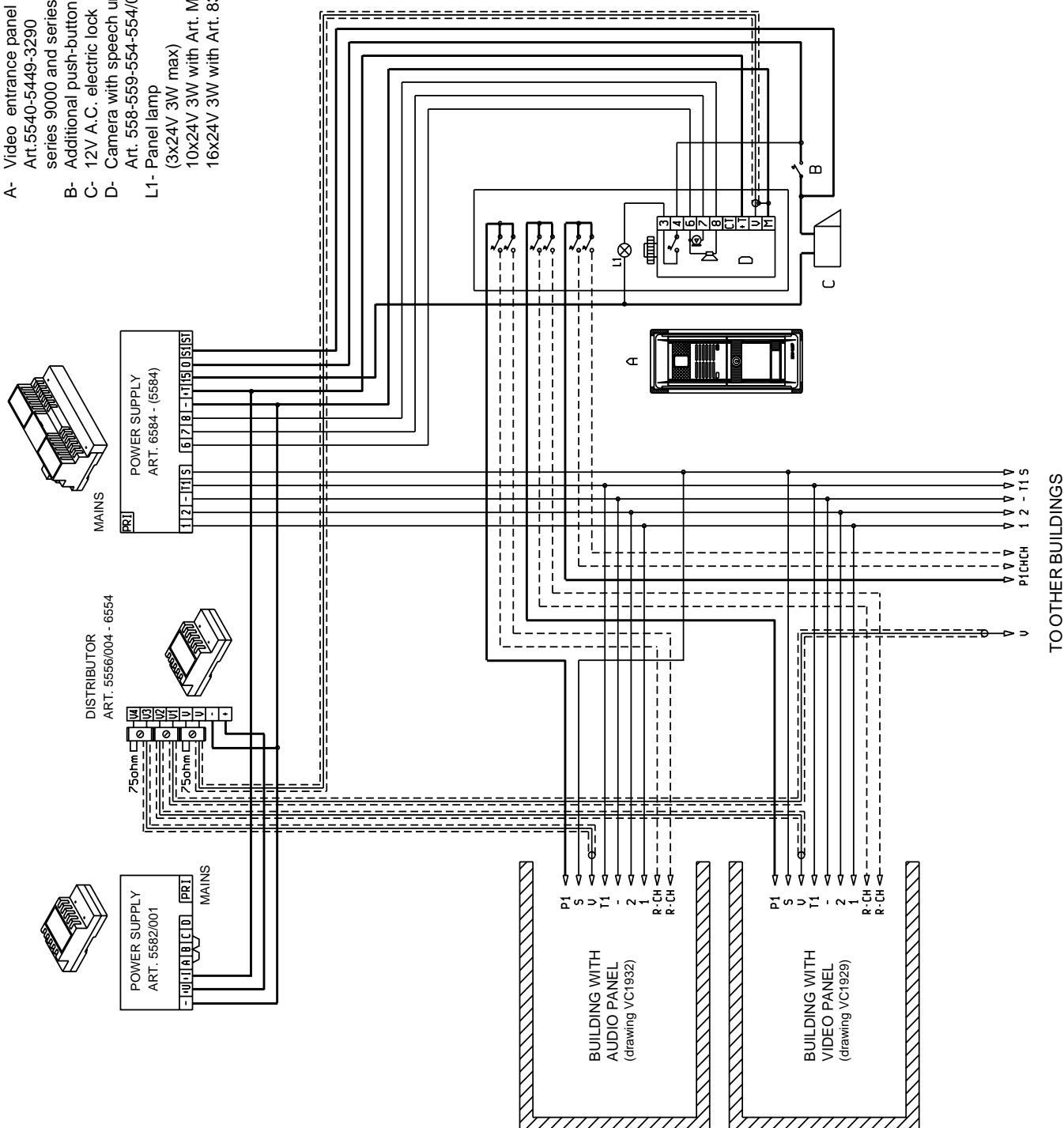
Ref.	Art.	Name	Quantity
A	5404/800	Monitor	1÷n
B	5600/800 + 5609	Monitor + Back box	1÷n
C	5604/816B	Memovision monitor	1÷n
D	5601/800-5604/800	Monitor	1÷n
E	6580	Power supply	1÷n
F	5540-5449-3290, series 9000 and series PATAVIUM	Main entrance panel	1
F1	5540-5449-3290, series 9000 and series PATAVIUM	Secondary entrance panel	2÷n
G	554-554/00R-558-559-570-571	Camera	3÷n
H	6594	Switching module	1
I	5682	Power supply	2÷n
L	-	Electric lock 12V A.C.	1÷n
M	5582/001	Power supply	1
N	6584	Power supply	1
O	5556/004 - 6554	Video distributor	1÷n
m	-	Number of users in 1st building	1÷n
n	-	Number of users in 2nd building	1÷n
o	-	Number of users in 3rd building	1÷n
x	-	Number of buildings	1÷n

N.B. A complete diagram is obtained by putting basic diagram ve1930 - vc1932 and vc1929 together.



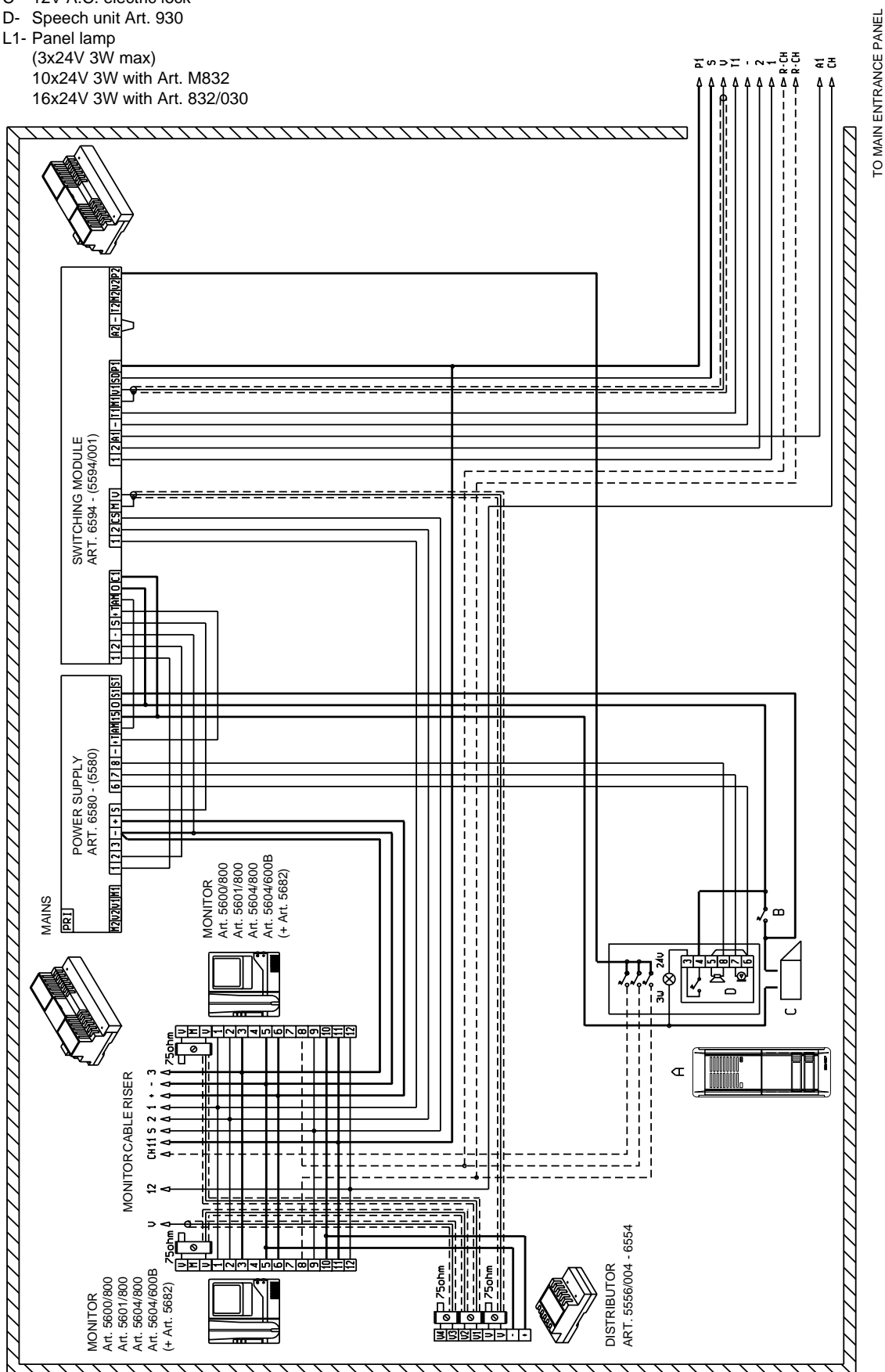
WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM IN RESIDENTIAL COMPLEX: CONNECTION OF MAIN ENTRANCE PANEL

- A- Video entrance panel
Art.5540-5449-3290
series 9000 and series PATAVIUM
- B- Additional push-button for lock
- C- 12V A.C. electric lock
- D- Camera with speech unit
Art. 558-559-554-554/00R-570-571
- L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030



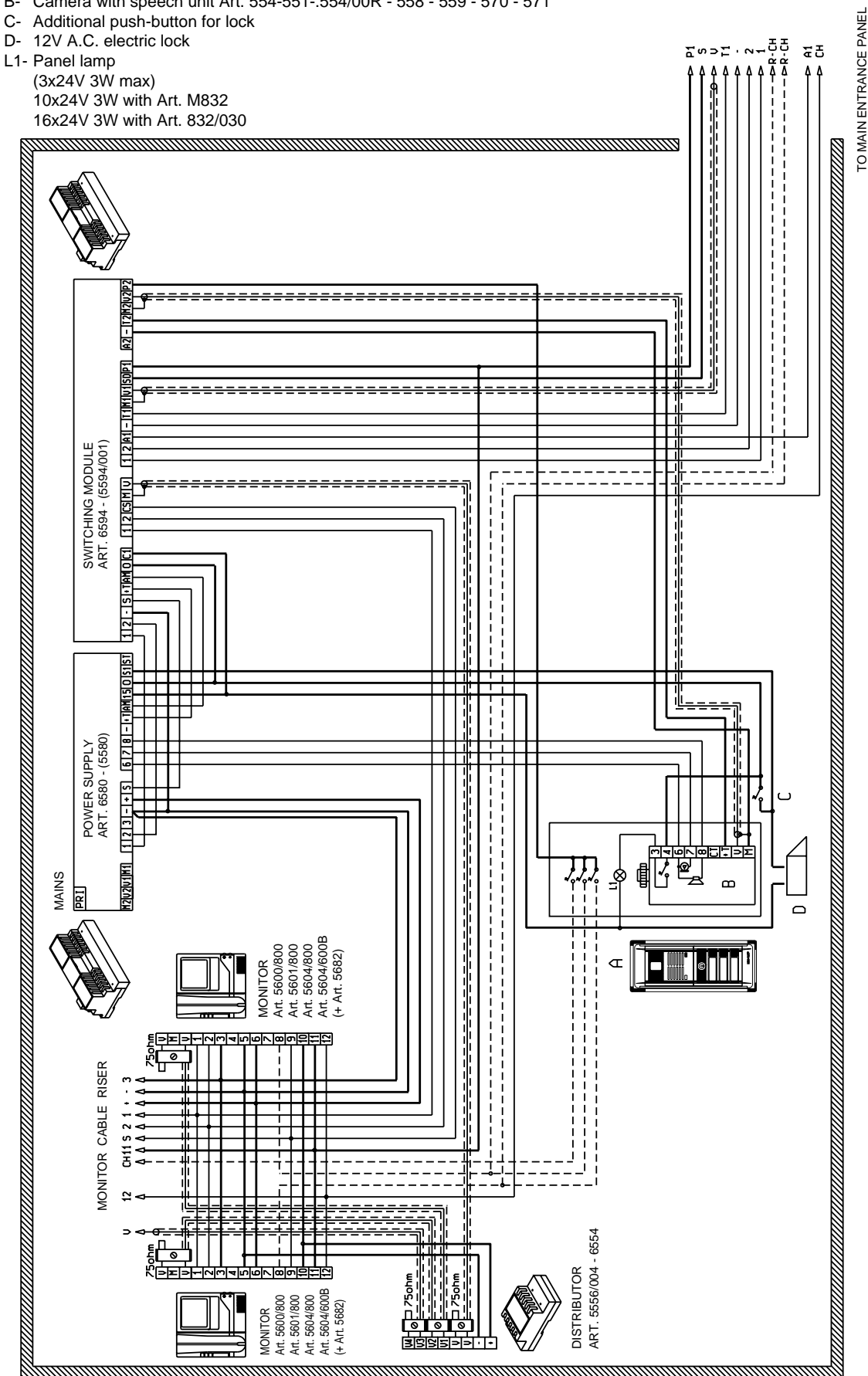
**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM IN RESIDENTIAL COMPLEX:
BUILDING WITH AUDIO ENTRANCE PANEL**

- A- Audio entrance panel series
2900-2970-2990-3200-9000 and PATAVIUM
- B- Additional push-button for lock
- C- 12V A.C. electric lock
- D- Speech unit Art. 930
- L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030



**WIRING DIAGRAM FOR DOOR ENTRY SYSTEM IN RESIDENTIAL COMPLEX:
BUILDING WITH VIDEO ENTRANCE PANEL**

- A- Video entrance panel series 5540-5510-5531-5449-3290-9000 and PATAVIUM
- B- Camera with speech unit Art. 554-551-.554/00R - 558 - 559 - 570 - 571
- C- Additional push-button for lock
- D- 12V A.C. electric lock
- L1- Panel lamp
(3x24V 3W max)
10x24V 3W with Art. M832
16x24V 3W with Art. 832/030



N.B.
The "AI-CH" conductors are to be considered only if the lodge switchboard is connected to a main entrance panel.

N.B.
Short-circuiting the switching module Art. 6594 - (5594/001) terminals S with CS main and secondary door-locks may be opened at the same time.

DIAGRAM N° vc1929

OPERATING PRINCIPLE

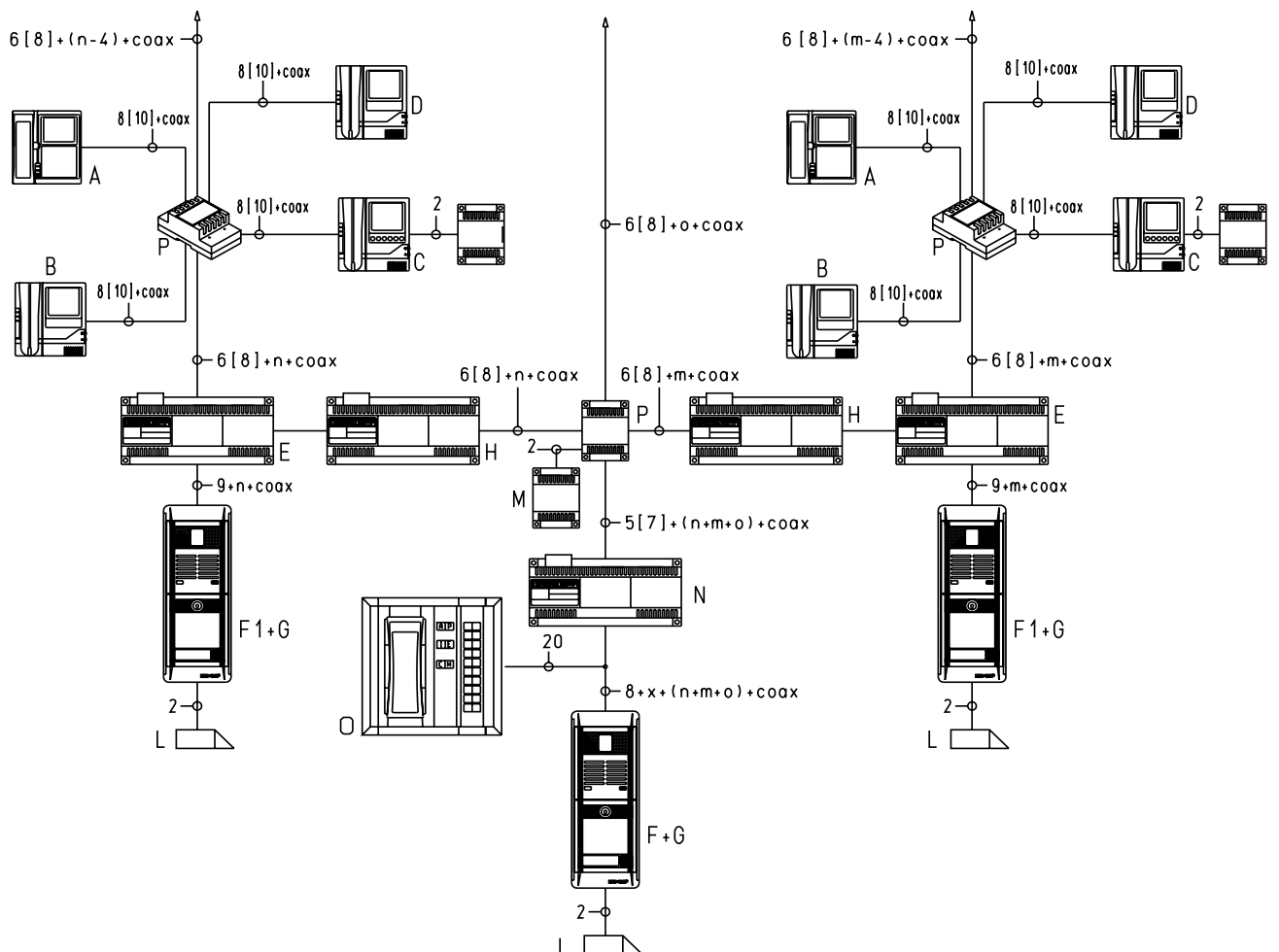
Use power supply Art. 6584, which allows connection of various apartment blocks with a main entrance panel. Every single block may be equipped with an entrance panel with or without camera and monitors in each apartment. Main door station may have a camera entrance panel with names of all users in all buildings. Art. 6594 in every apartment block, selects audio-video-door-lock connection of calling entrance panel (main and secondary). Every building is thus perfectly independent and enables simultaneous communication of monitors, in every apartment with its own entrance panel.

A switchboard may be connected to the main entrance panel with INTERNAL-EXTERNAL switching.

LIST OF ARTICLES REQUIRED FOR INSTALLATION (Diagram ref. VC1933-1)


Diagram

Ref.	Art.	Name	Quantity
A	5404/800	Monitor	1÷n
B	5600/800 + 5609	Monitor + Back box	1÷n
C	5604/816B	Memovision monitor	1÷n
D	5601/800-5604/800	Monitor	1÷n
E	6580	Power supply	1÷n
F	5540-5449-3290, series 9000 and series PATAVIUM	Main entrance panel	1
F1	5540-5449-3290, series 9000 and series PATAVIUM	Secondary entrance panel	2÷n
G	554-554/00R-558-559-570-571	Camera	3÷n
H	6594	Switching module	1
I	5682	Power supply	2÷n
L	-	Electric lock 12V A.C.	1÷n
M	5582/001	Power supply	1
N	6584	Power supply	1
O	152/...A25	Switchboard	1
P	5556/004 - 6554	Video distributor	1÷n
m	-	Number of users in 1st building	1÷n
n	-	Number of users in 2nd building	1÷n
o	-	Number of users in 3rd building	1÷n
x	-	Number of buildings	1÷n




OPERATING PRINCIPLE

SWITCHBOARD ON EXTERNAL MODE (push-batton I-E switched to E).

On external mode there is an audio (without privacy) and video connection with main entrance panel. The switchboard is thus excluded from monitor connection and can communicate with door station if push-button P-E is pressed. Calls from entrance panel are conveyed to respective monitors, which may operate door-lock with push-button  symbol.

SWITCHBOARD ON INTERNAL MODE (push button I-E switched to I).

On internal mode, conversation (without privacy) is possible between monitors and switchboard excluding main entrance panel. To communicate from switchboard to monitors, press call pushbutton of desired user. To carry out calls from monitors to switchboard, press push-button with  symbol (on monitors series 5404-5600-5601-5604).

To answer calls, switchboard operator must lift handset. During internal operation, all calls from main entrance panel are conveyed to switchboard.

To answer, switchboard operator, sets push-button E-I to position E and keeps push-button P-E pressed for the whole duration of conversation.

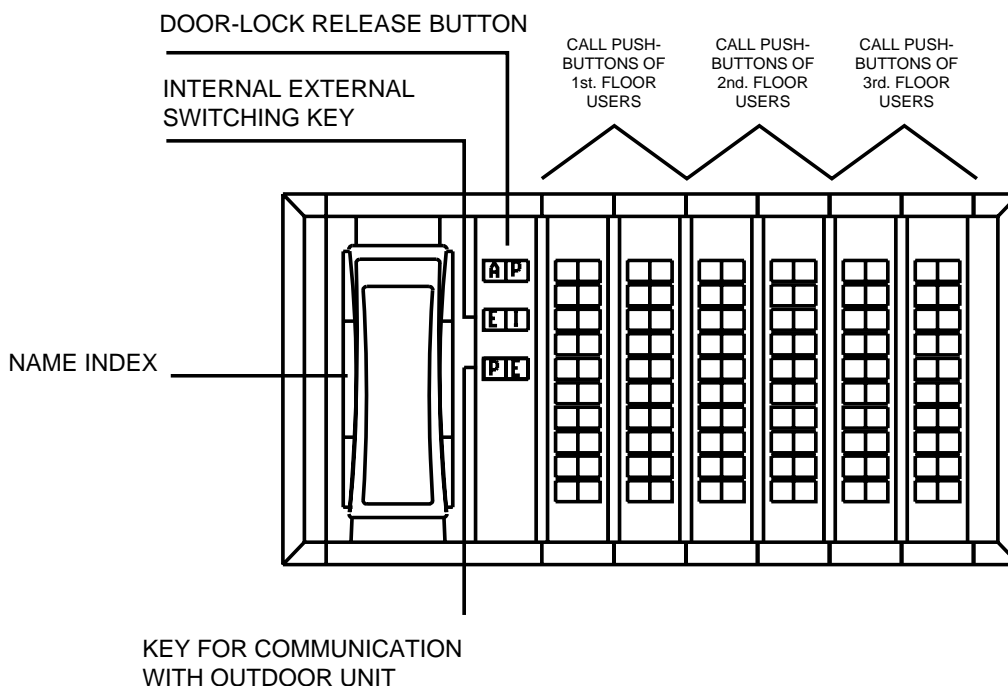
Secondary entrance panels are always in operation, even if switchboard is in position I.

N.B. Switchboard Art. 152/...A25 must be ordered, specifying users' number of each block.

SWITCHBOARD INSTALLATION

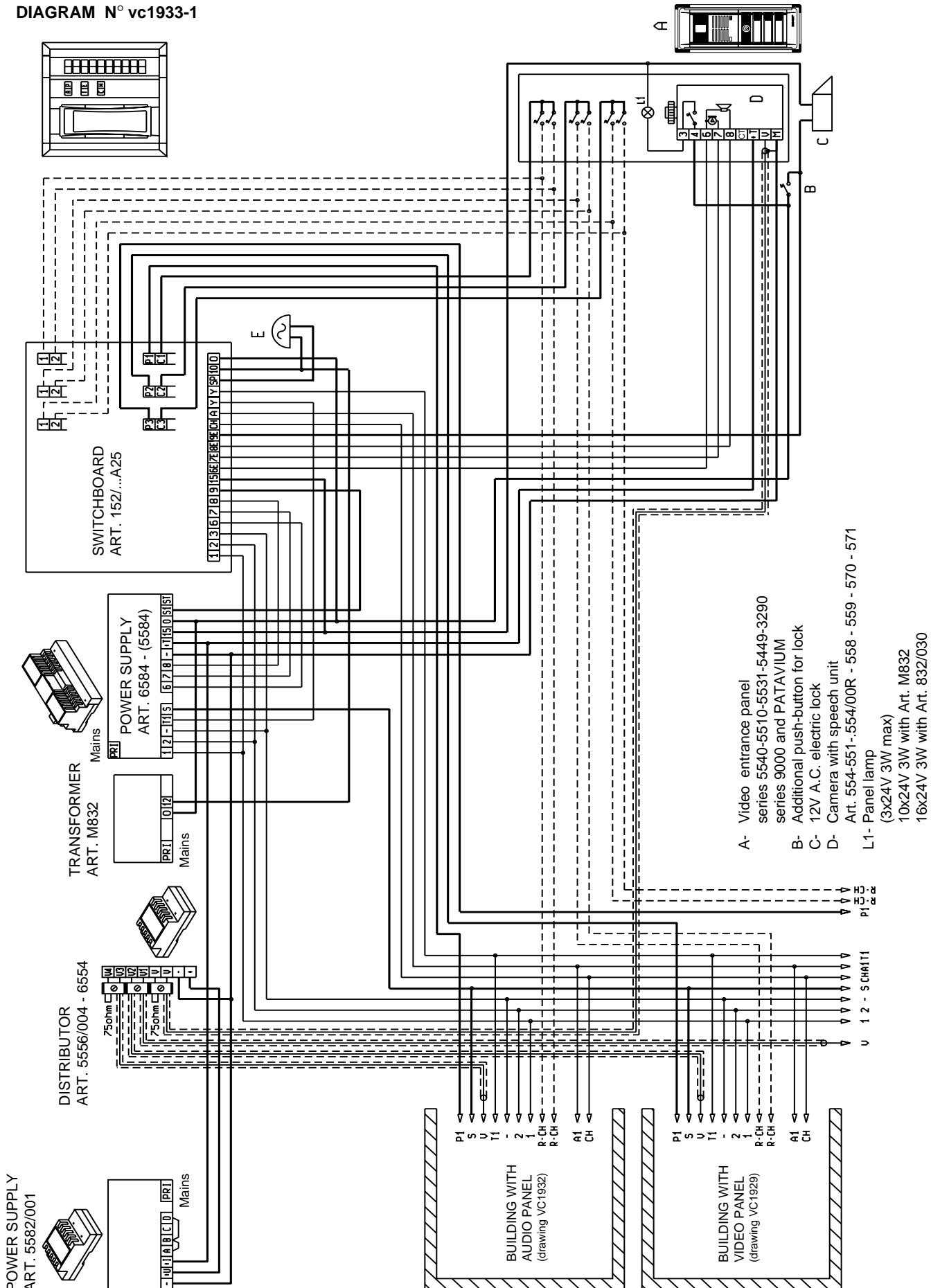
Switchboard may be flush wall-mounted or flush/desk-top mounted. For surface wall-mounting, carry out the following operations: open housing and loosen screws fixing the two metal side supports. Slide supports out and reverse their position.

Switchboard front panel is thus tilted, allowing handset hooking.




**WIRING DIAGRAM FOR VIDEO DOOR ENTRY SYSTEM IN RESIDENTIAL COMPLEX WITH
SWITCHBOARD: CONNECTION OF MAIN ENTRANCE PANEL**

DIAGRAM N° vc1933-1



OPERATION

Relay Art. 170/550 is a device which enables two operations to be carried out with only one additional push-button on the monitor. The push-button used in monitors Art. 5404/800 - 5600/800 - 5601/800 - 5604/800 is marked with  symbol.

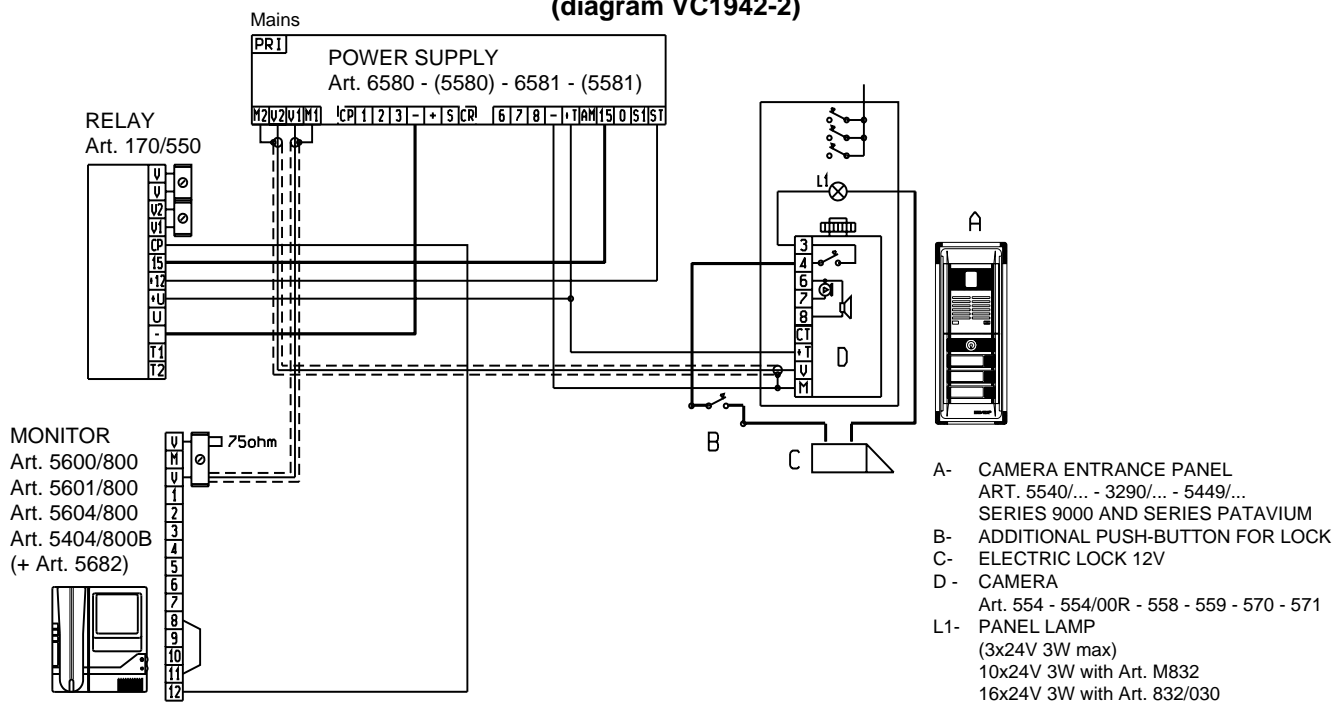
If this push-button is pressed, the system comes on without the buzzer ringing (drawing vc1942-2).

If it is kept pressed down, the image of additional camera appears. When the push-button is released the image of the camera entrance panel appears (vc1942). For night viewing, the area covered by the secondary camera must be illuminated with an additional lamp.

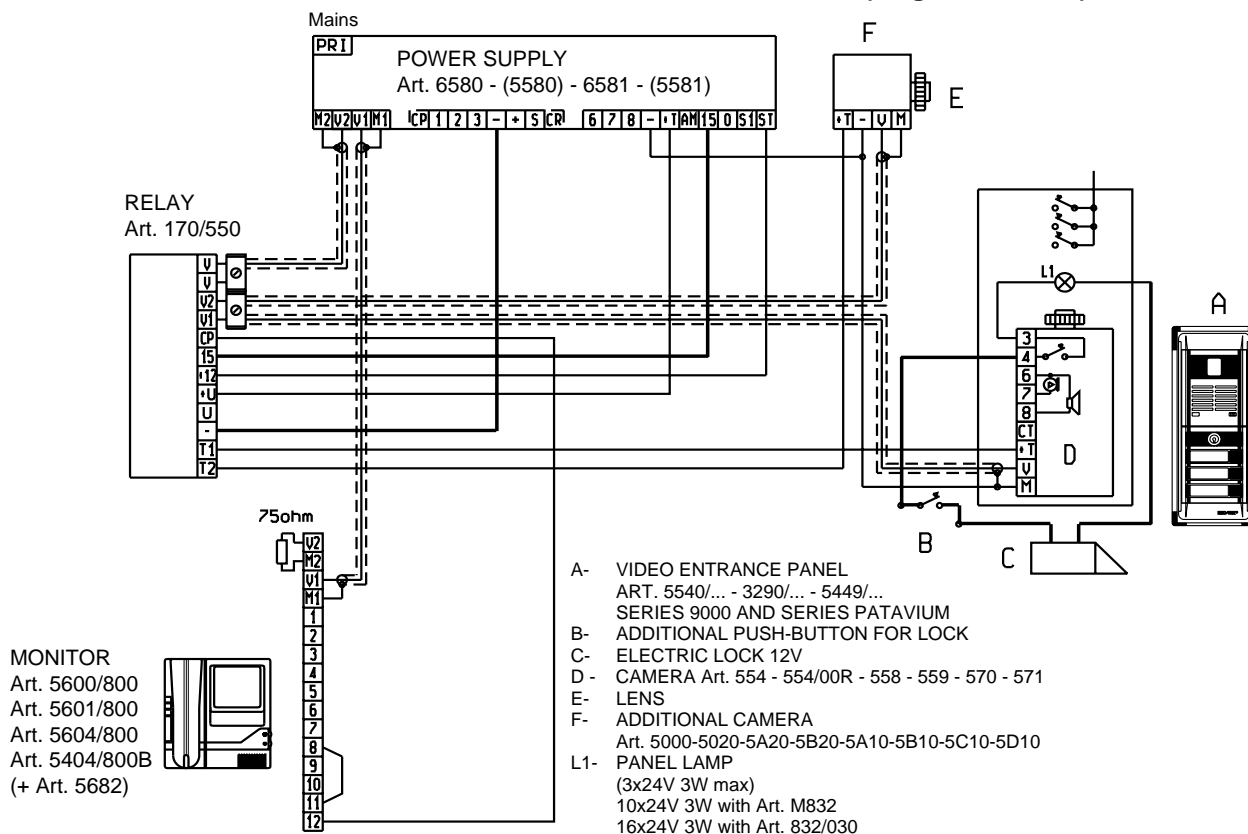
This can be done by using relay Art. 170/001, following version 13. Infrared lamps may be used.

For the other connections follow standard wiring diagrams of power supplies Art. 6580 - 6581.

WIRING DIAGRAM OF RELAY ART. 170/550 WITH INSTALLATION AUTO-SWITCHING (diagram VC1942-2)



WIRING DIAGRAM OF RELAY ART. 170/550 WITH INSTALLATION AUTO-SWITCHING AND SWITCHING OF 1ST AND 2ND CAMERA (diagram VC1942)



WIRING DIAGRAM OF VIDEO AMPLIFIER ART. 5559

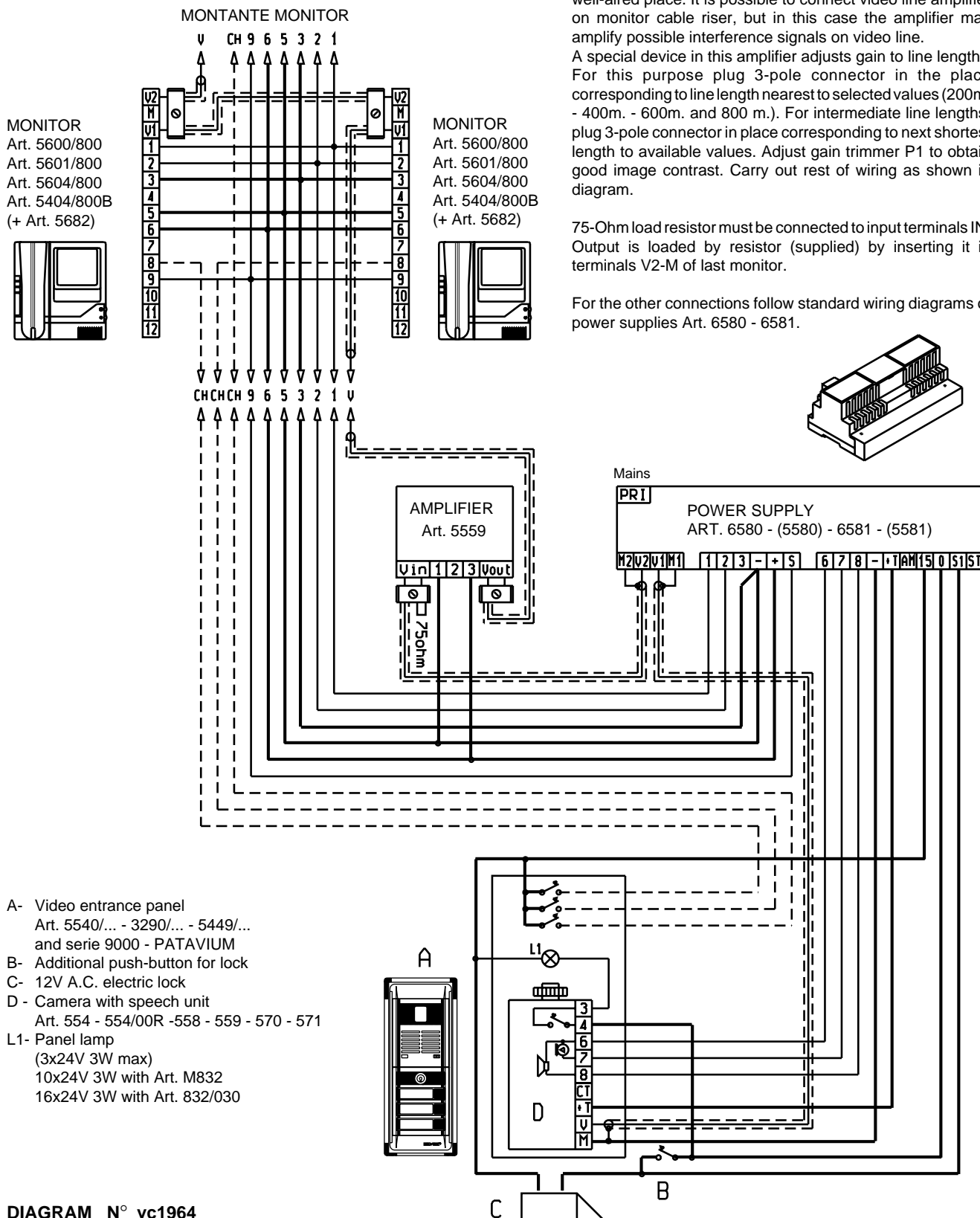
Video door entry or CCTV systems with wiring exceeding 200m. require use of video line amplifier Art. 5559 because of coax-cable attenuation. Using high quality coax-cable, 200m. distance can be exceeded.

As video line amplifier operates on 75-Ohm input-output impedance, use RG59 cable or quality cable with this impedance. Fix amplifier close to power supply in a dry and well-aired place. It is possible to connect video line amplifier on monitor cable riser, but in this case the amplifier may amplify possible interference signals on video line.

A special device in this amplifier adjusts gain to line length. For this purpose plug 3-pole connector in the place corresponding to line length nearest to selected values (200m. - 400m. - 600m. and 800 m.). For intermediate line lengths, plug 3-pole connector in place corresponding to next shortest length to available values. Adjust gain trimmer P1 to obtain good image contrast. Carry out rest of wiring as shown in diagram.

75-Ohm load resistor must be connected to input terminals IN. Output is loaded by resistor (supplied) by inserting it in terminals V2-M of last monitor.

For the other connections follow standard wiring diagrams of power supplies Art. 6580 - 6581.

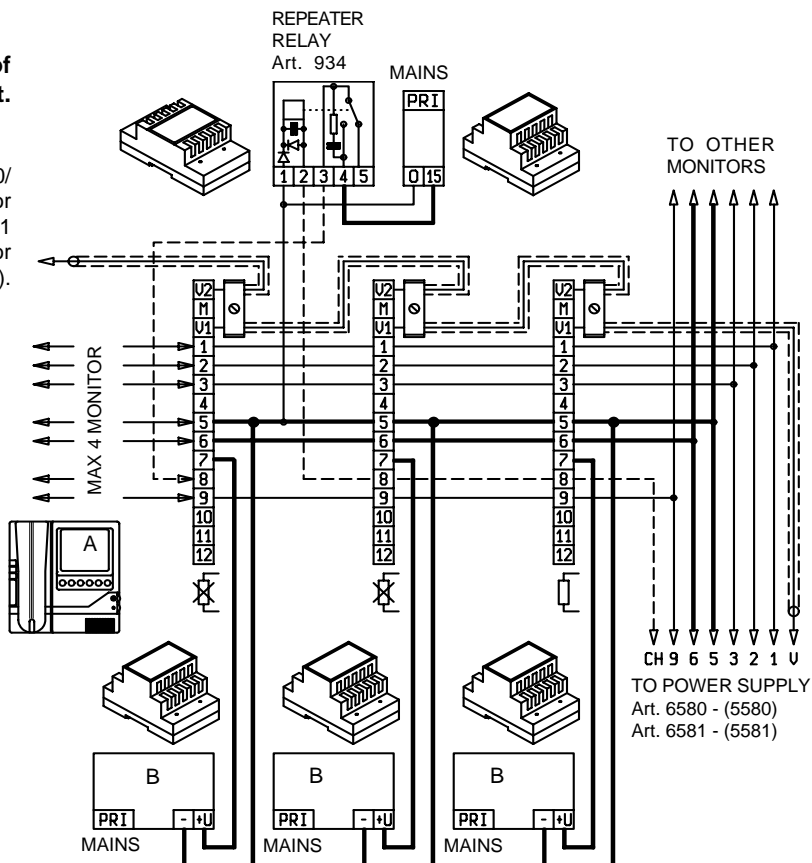
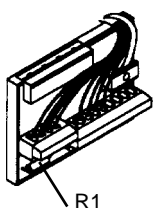

DIAGRAM N° vc1964

VERSION 1

Wiring diagram with simultaneous operation of several monitors with video recording of Art. 5604/816B.

In monitors (max. 4) connected to repeater relay Art. 170/001, terminals no. 8 concerning calls coming from outdoor unit must be wired together. Remember to leave R1 resistor (placed on hooking plate PCB) in the first monitor and remove those in the remaining monitors (see drawing).

- A- MONITOR
Art. 5604/816B
- B- POWER SUPPLY
ART. 5682



VERSION 2

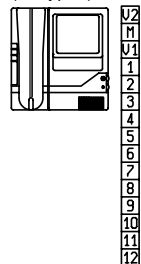
Connection of cameras Art. 554/00R, Art. 558 and Art 571 with "VIDEOMOVING" system.

Cameras with tilt Art. 554/00R, Art. 558 and Art. 571 allowing adjustment of vertical coverage angle by using push-button with bulb symbol

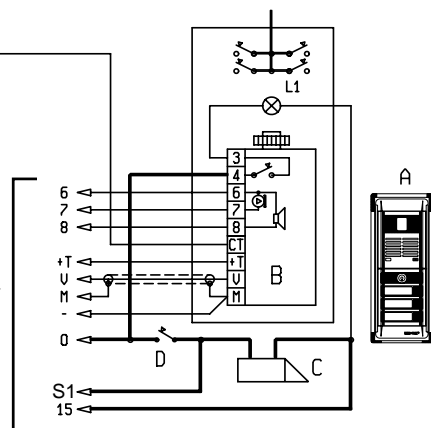
This facility allows people of different height to be filmed with provision of altering the recommended installation height of the panel.

- A- Camera entrance panel series 5540/C - 3290... 9000 and PATAVIUM.
- B- Camera with speech unit Art. 554/00R - 558- 571
- C- 12V A.C. electric lock
- D- Additional push-button for lock
- L1- Panel lamp (3x24V 3W max)

MONITOR
(All types)



TO POWER SUPPLY
ART. 6580 - (5580)
ART. 6581 - (5581)



VERSION 3

Wiring diagram of one interphone on a video door entry system:

- A - Single connection
- B - Connection in parallel to a video door entry system

MONITOR CABLE RISER

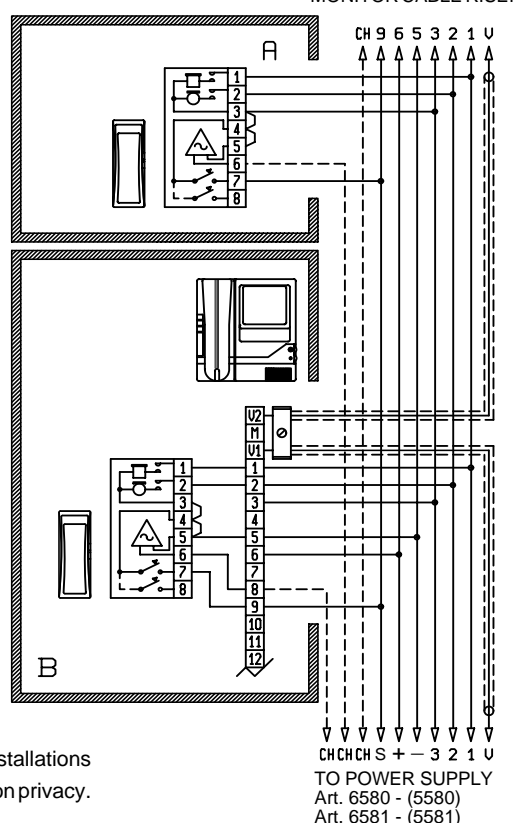
PHONE
Art. 870
Art. 900
Art. 902

MONITOR
(All types)

PHONE
Art. 870
Art. 900
Art. 902

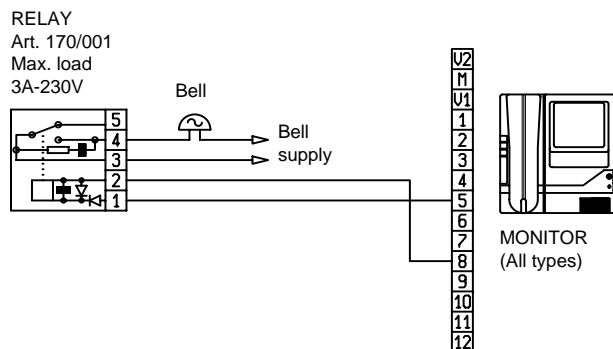
*

To be used in installations
with conversation privacy.

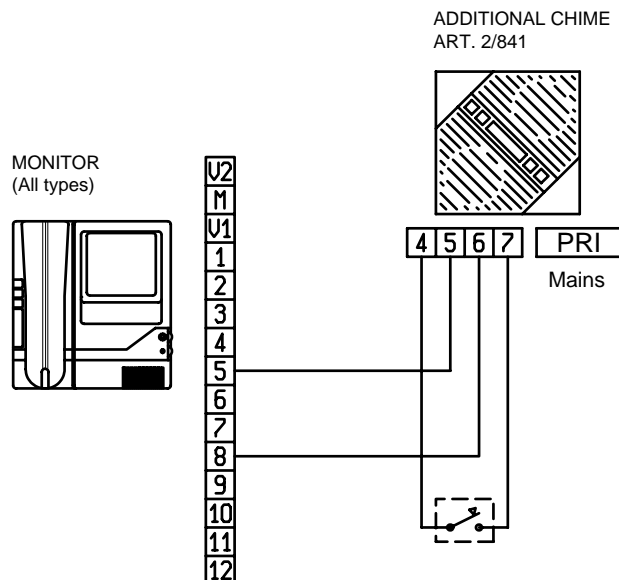
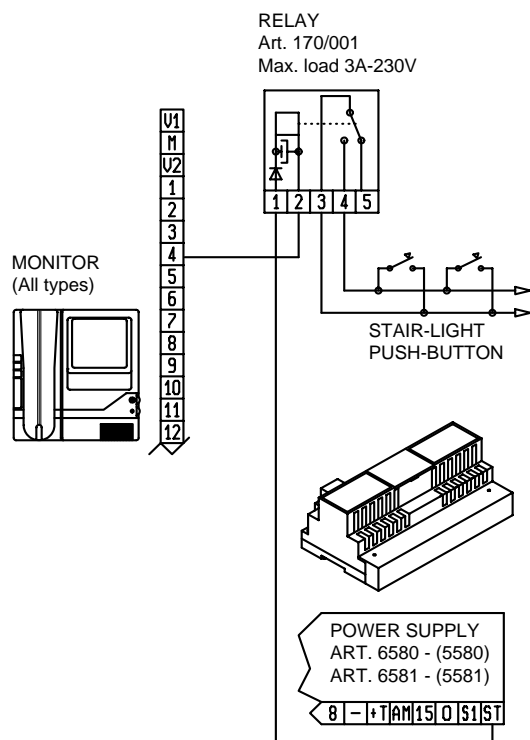


VERSION 4
Connection of additional bell

12V AC additional bells may be directly connected to terminals 5 and 8 of monitors. Call voltage should not fall below 10V A.C., In this case or if high absorption chimes are installed, connect a relay Art. 170/001 as shown in the diagram.


VERSION 5
Additional electronic chime connection.

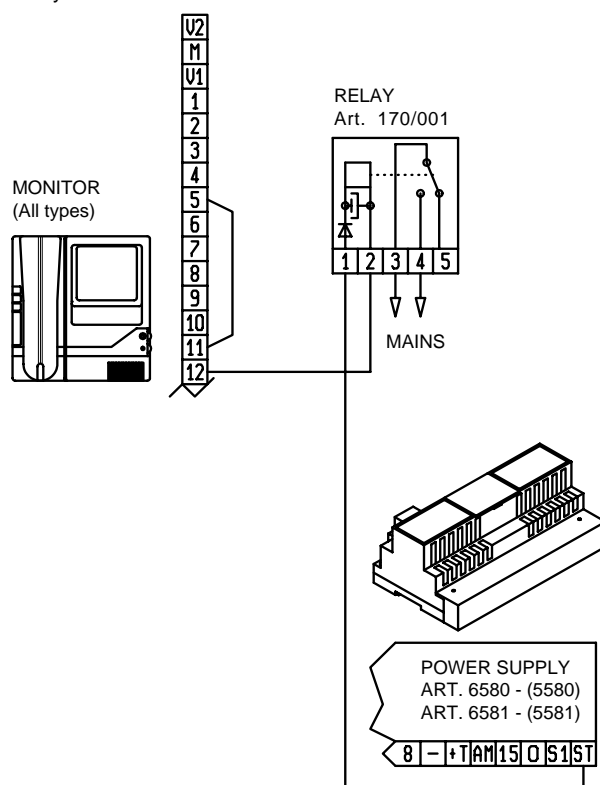
3-tone additional electronic chimes may be connected. Use only chimes, with built-in power supply Art. 860/220.


VERSION 6
Connection of stair-lighting push-button by using repeater relay Art. 170/001.

N.B.

To switch on stair-light press push-button with bulb symbol . The maximum capacity of the monitor button contacts is 24V 0.5A AC/DC.


VERSION 7
Connection of push-button for auxiliary functions, by using third push-button on monitors.

N.B. To activate auxiliary functions press push-button with symbol on monitors.

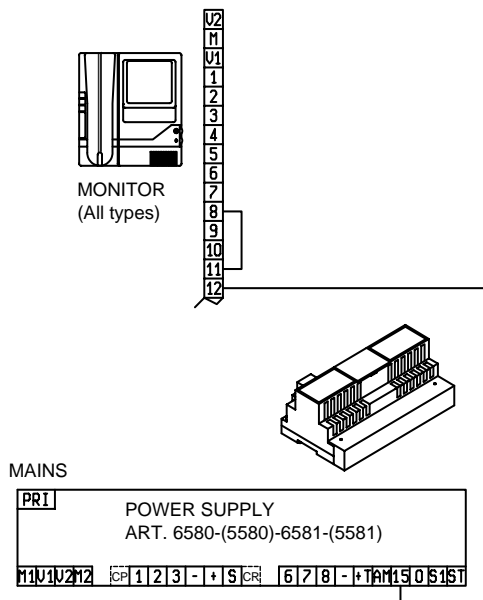


VERSION 8

Connection of push-button for monitor activation.

It is possible to activate video installation from monitor by using push-button with  symbol; see drawing for connection.

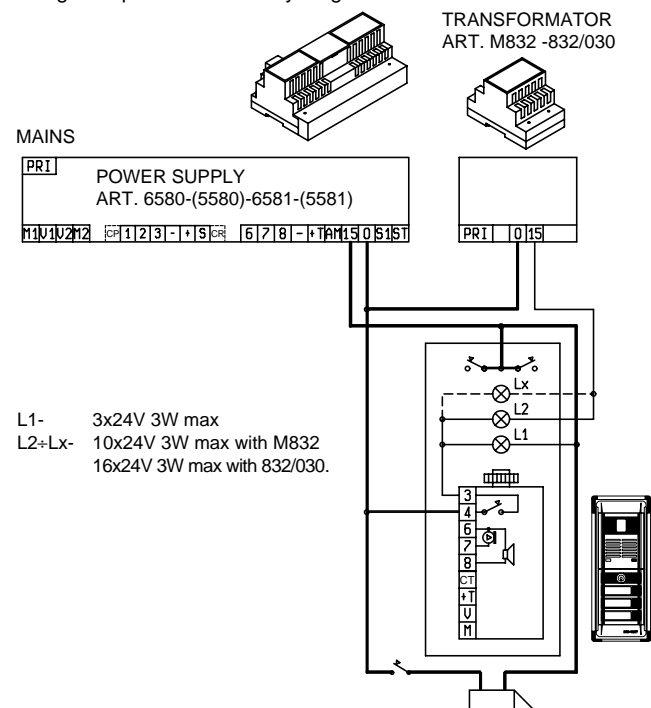
With this system also monitor chime rings. To avoid this, use relay Art. 170/550.



VERSION 9

Connection of transformer Art. M832-832/030 to be fitted on panels with several bulbs for name-tag lighting.

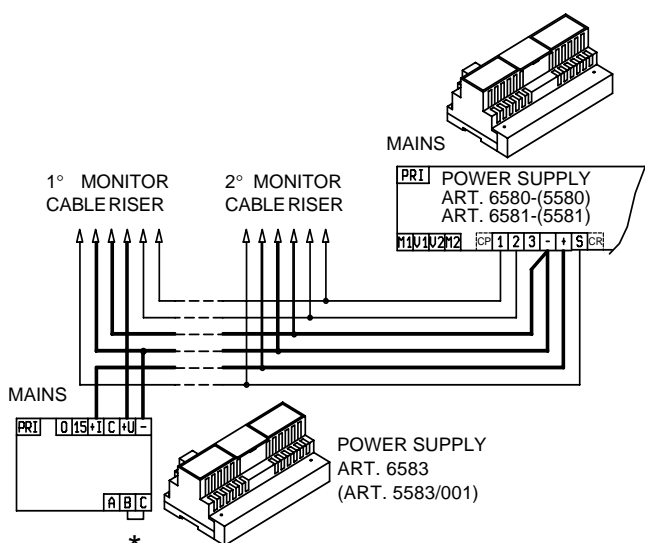
This transformer must be used when there are more than three bulbs for name-tag lighting. Use the same kind of wiring, even if there is a strong hum present caused by long and thin cable runs.



VERSION 10

Connection of power supply Art. 6583 on installations with considerable voltage drop on power line "+-".

Stand-by line power supply Art. 6583 may be connected as shown in the drawing in case of long supply lines where power voltage on the line wiring to the monitors (+-) is less than 15V D.C. between terminals 5-6. The unit can supply 18V D.C. 2A with continuous operation.



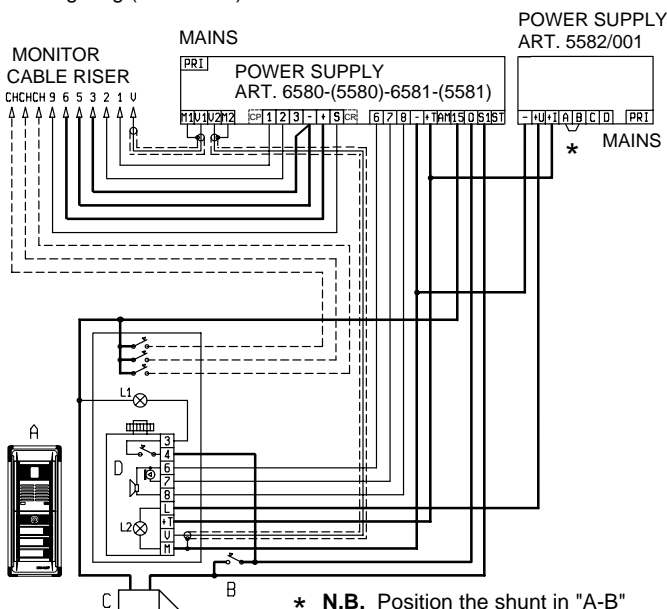
* N.B. Position the shunt in "B-C"

VERSION 11

Connection of colour cameras Art. 554/COL - 559/COL - 570/COL+Art. 930.

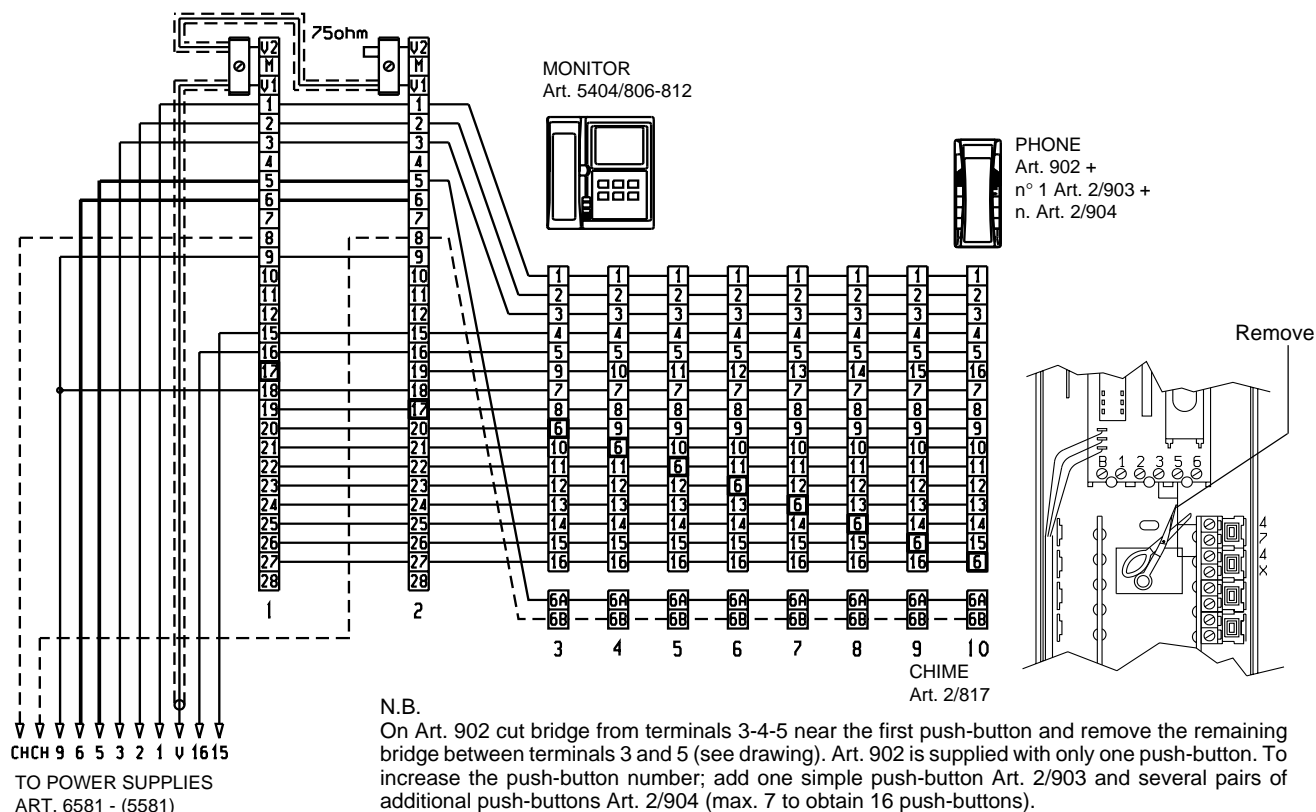
Monitors Art. 5404/COL are connected in the same way as monitors Art. 5404/800.

	Camera entrance panel	Camera
A- Video entrance panel		
B- Additional push-button for lock		
C- 12V A.C. electric lock	9000	559/COL Art.570/COL +Art.930
D- Cameras with speech unit		
L1- Panel lamp (3x24V 3W max)	5540/C - 3290	554/COL
10x24V 3W with Art. M832		
16x24V 3W with Art. 832/030		
L2- Bulb for camera coverage lighting (2x24V 3W)	PATAVIUM	559/COL



VERSION 12

Wiring diagram of video door entry system for dual residence with two monitors and ten interphones, all intercommunicating among them.

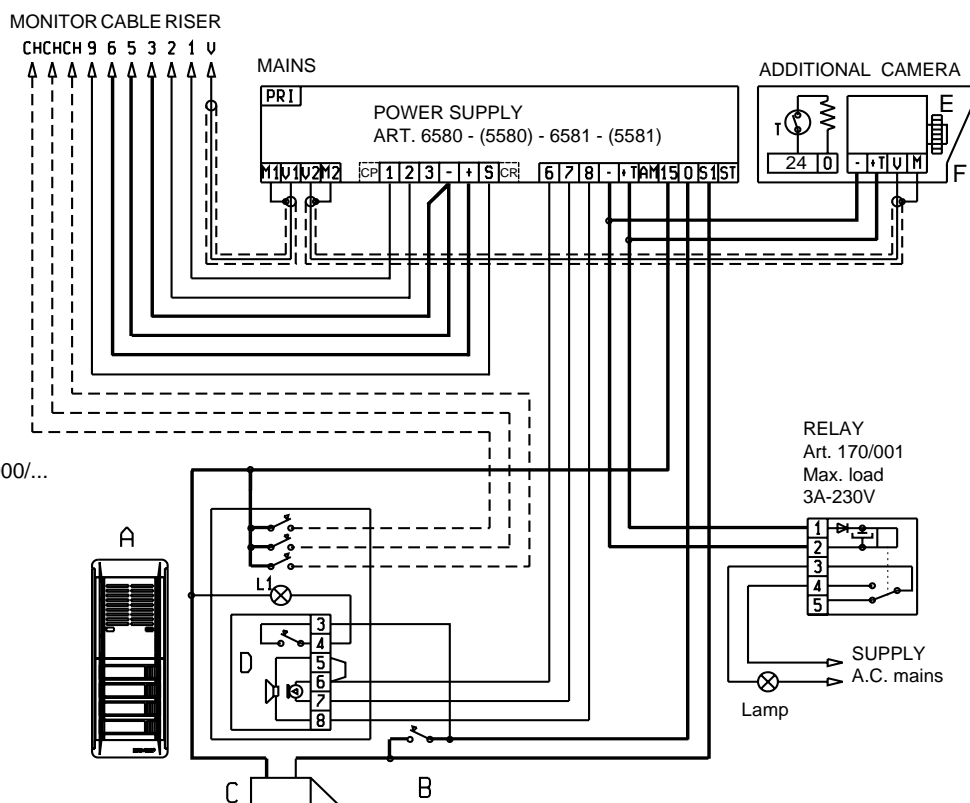

VERSION 13

Connection of camera separate from entrance panel with speech unit and additional lamps for camera coverage lighting.

A panel with speech unit only and a separate camera Art. 5000-5020-5A20-5B20-5A10-5B10-5C10-5D10 may be connected instead of a video entrance panel. Lamp must be activated as shown in diagram.

N.B.
Luminous push-button connected to terminals 3 and 4 of speech unit Art. 930, may be used to switch on panel bulbs briefly as shown in the diagram. A timer may be used for longer activation or for stair-lighting (Art. 170T).
0,5A-24V A.C. maximum load.

- A- Audio entrance panel series 2900/... 2990/... 3200/... 9000 and PATAVIUM
- B- Additional push-button for lock
- C- 12V A.C. electric lock
- D- Speech unit Art. 930
- E- Lens Art. 2/...-22/...-22/S...
- F- Rainproof cover
- L1- Panel lamp



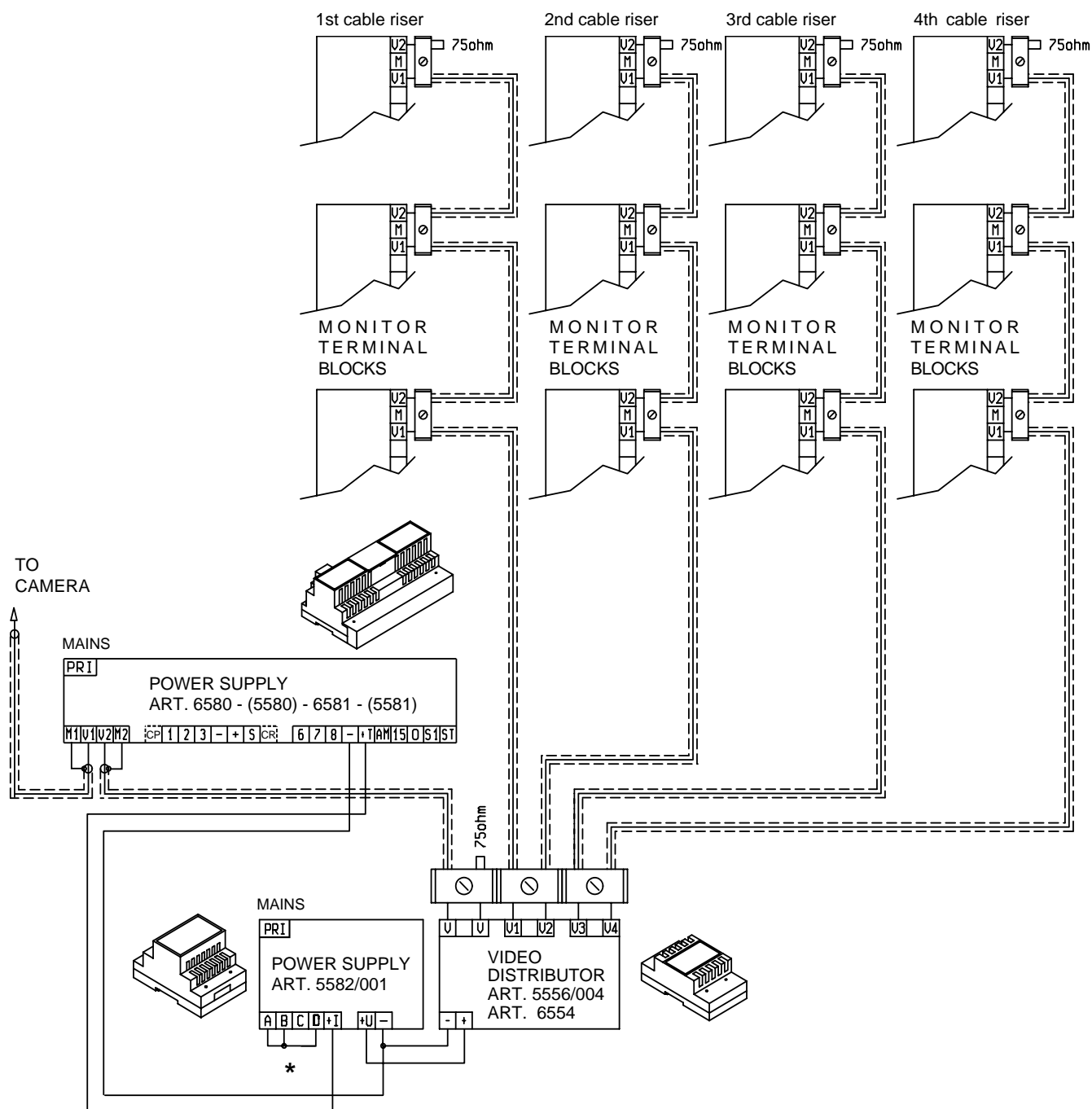
VERSION 14

Wiring diagram of video distributor Art. 5556/004 - 6554 for several cable risers.

Use RG59 75-Ohm cable for video connection, or similar, of good quality, with 75 Ohm impedance.

All video outputs V1-V2-V3-V4 must be loaded by 75-Ohm resistors supplied. They must therefore be mounted on unused output terminals and on terminal V2-M of monitor. The last video signal distributor must be loaded by 75-Ohm resistor connected to unused terminal V.

N.B. Trimmer P1 in video signal distributor can increase video signal gain in every output at the same time. Standard manufacturing calibration: 1 gain.



* **N.B.** Short circuit terminals A-B-D in power supply Art. 5582/001..