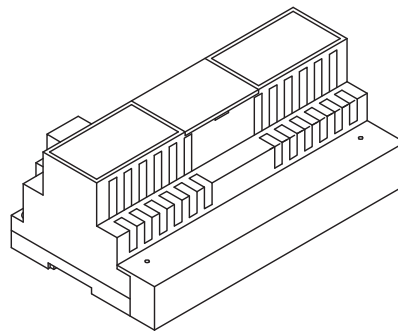




Art. 3511

TELEPHONE SWITCHBOARD

INSTALLATION AND OPERATION MANUAL



Product is according to EC Directive 2004/108/CE, 2006/95/CE and following norms.



1. DESCRIPTION

The system type 3511 is a 1/1 type switchboard, i.e. it has an interface for a PSTN line, an interface for a BCA device, and an interface for a 5-wire interphone. The switchboard is mains-powered at 230Vac -10/ +6 %, 50 Hz. The ringtone voltage is 50 Hz. The power supply is built into the system.
The container is a 12-module housing.

The system is mounted exclusively on an electrical panel, to be carried out by personnel in possession of the specific authorisation in accordance with the law.

For connection to the telephone, use a cable with a diameter of 0.6 mm and a maximum length of 200m.

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**Alarms activations
Heating installations
Lighting, etc. (remote control).**

Fig. 1

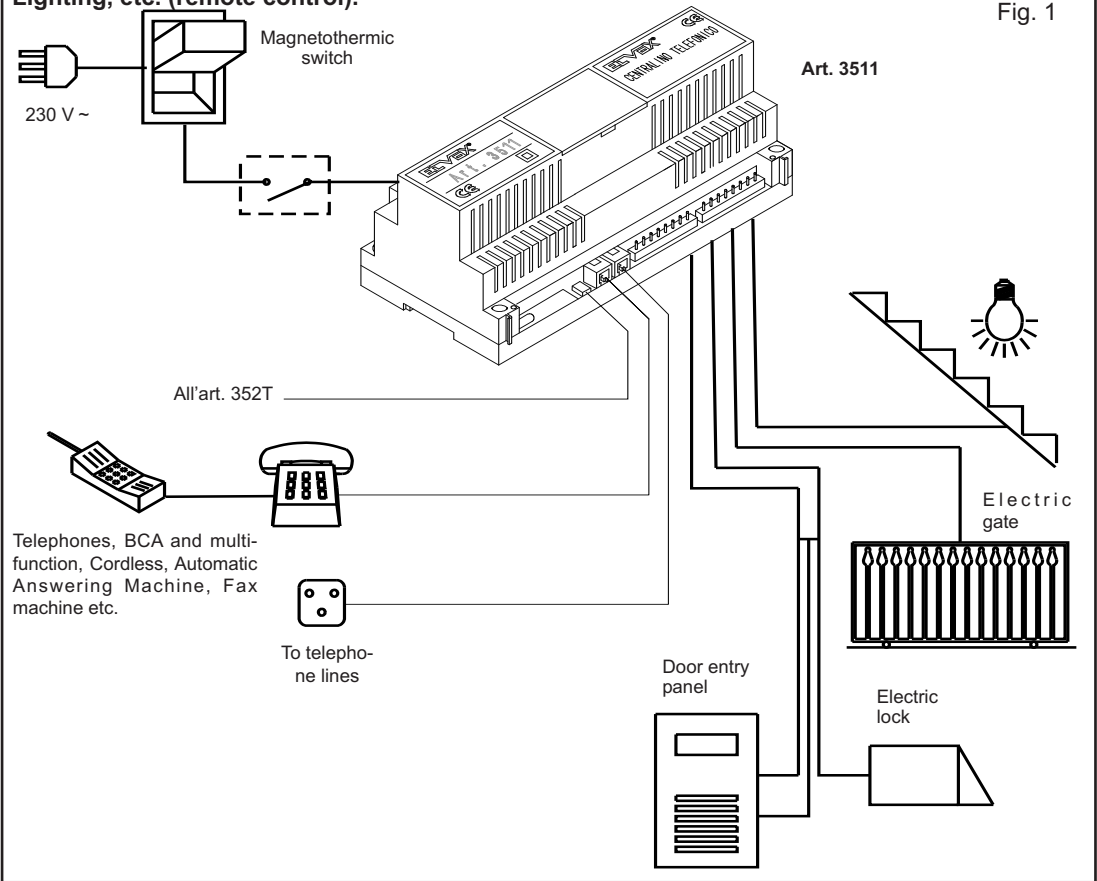
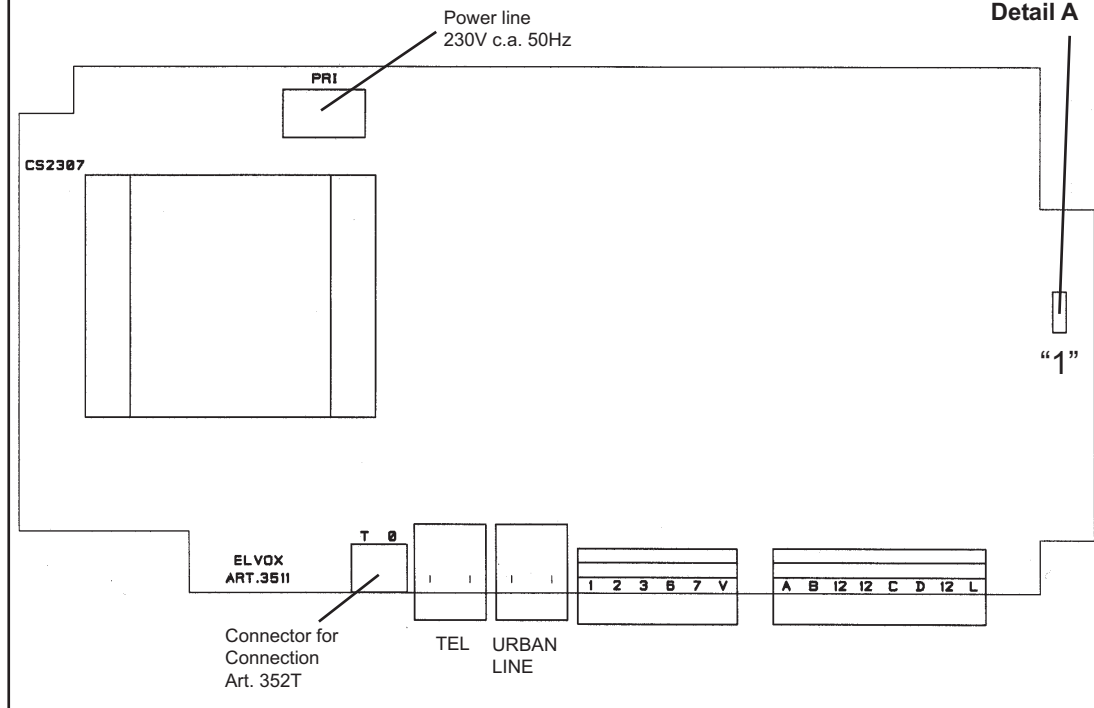



















Fig. 2

Detail A



1.1 SYMBOL CODE

	Telephone activation
	Telephone in rest position
	Telephone ringing
	Telephone ringing at independent frequency
	Presence of urban line free tone
	Telephone engaged or encapsulated
	Telephone connected to urban line
	Telephone connected to interphone
	Telephone raised - continuous switchboard tone
	Long two-tone ring (e.g. confirmation)
	Remote user in call status
	Warning tone
	Flash or R key pressed
	Number to dial
	Interphone call
	Instructions for dialling numbers for calls on an urban line or sending DTMF commands on an urban line
	Waiting tone
	3 minuti Maximum time signal

2. FUNCTIONS

The switchboard has the following services:

- Conversation between telephone and external line. Conversation between telephone and interphone. The two types of conversation are alternative
- Both conversations can be made on answering an external call or on initiative of the user
- The system can be programmed with priority assigned to external calls (default) or to activate when the internal handset is raised
- Functions for transferring the call from the interphone to the external line to a number programmed in non-volatile memory (max. 20 digits), with signal of function in progress
- Opening of door, gate, activation of stair light both during an interphone conversation, a conversation on an external line and in rest status. This is performed either by signals emitted by the dedicated keys on the device type 3597, or by DTMF code followed by FLASH. The correspondence between codes and the function performed is shown in Table 1. The door open command is already equipped with a relay with normally open contact, able to shut off a load powered to maximum 24 V dc, at a maximum current of 1A. The other controls are open drain only with power supply voltage available on terminals. Use of these requires installation of relay type 170/101 as per the variations enclosed.
- Additional auxiliary control, monostable by default but programmable as bistable
- Bistable control
- The actuators can also be remote-controlled, with a password-protected procedure
- Activation of the remote control of the actuators and/or interphone divert can also be performed by means of a wire control (Type 352T) which also enables display of service status by means of leds
- The Caller ID from the external line is clearly displayed on the telephone
- The internal interface accepts BCA standard devices, such as type 3597, with a maximum of three devices in parallel
- Only MF and not DC dialling is accepted by the device
- The configurations are set by software, by means of function codes

3. SYSTEM FUNCTION CODES

The codes used to control the system functions are:

3.1. LINE ENGAGE

In the case of external priority (default), the external line is engaged by simply raising the telephone.



In the case of internal priority, if the line is not already engaged, dial 0.



If the line is on standby, and the internal tone is heard, dial 0 or press **FLASH** (also indicated by **R**).



If the telephone rings to notify of line on standby, simply activate the telephone.



3.2. LINE RELEASE

To release the line simply replace the telephone.



If the system is programmed to operate in external priority mode, and an internal function is required, after activating the telephone, select **FLASH** as the first digit and the line is then released.



The user can perform an internal function as described in paragraph 4.1.

3.3. EXTERNAL LINE STANDBY

When FLASH is pressed while an incoming external line is engaged or in the case of an outgoing call after dialling at least one number, the line is set to standby and the receiver hears the tone as described in Table 6.



N.B. the FLASH generated by the telephone is also emitted on the line. If the conference service is enabled, the public switch-board sets to standby awaiting the new number to be called. This means that if



is pressed quickly for a few seconds, the external receiver will not be heard, and only the request to dial the number. Vice versa if the user needs to answer the call waiting signal, press:



3.4. INTERPHONE

3.4.1. Engage

The engage code for conversations on the initiative of the telephone is 6.



In the case of external priority, the free tone must first be heard.



3.4.2. Answer

To answer an interphone call, simply activate the telephone following the call.



3.4.3. Control

The codes to control the actuators for door open, stair light and gate open are the following:

FUNCTION	CODE	DEFAULT ACTIVATION DURATION (s)	TERMINAL
Lock release	1R	1	7
Gate open	2R	1	B
Stair light	3R	1	A
Auxiliary 4 (if monostable)	4R	1	C

Table 1 - Monostable actuator control codes

The dedicated interphone keys are active at all times, with the exception of the when the telephone is encapsulated. The DTMF - R codes are active exclusively during the conversation with the interphone or with the continuous standby tone for internal dialling.

3.5. WARNINGS

During the conversation on an external line, if an interphone call is made, a warning is given by an intercepting tone, as described in Table 6. The user can choose whether to terminate the external line conversation



or set it temporarily on standby and answer the interphone call.



The conversation on the external line can be resumed at the end of the conversation with the interphone.



Therefore the conversations cannot be alternated unless the call is terminated with the interphone and resumed later.

N.B. If a modem or fax is used, these warning tones should be deactivated, even if only temporarily, by programming PP=13 in table 5 (see chapter 6).

In the case of an incoming external call during an interphone conversation, refer to the above procedure; a warning is given but the interphone conversation must be interrupted to answer the external call.



3.6. BISTABLE ACTUATORS

3.6.1. Auxiliary actuator 4 (TERMINAL C)

Auxiliary actuator 4 can be programmed to operate in bistable mode. The actuator is activated by means of the code 4 followed by R. Code 5 followed by R deactivates it.

In the event of mains power failure, the actuator is set correctly when power is restored.

3.6.2. Remote controlled actuator (TERMINAL D)

The actuator is activated by means of the code * followed by R. Code # followed by R deactivates it. In the event of mains power failure, the actuator is set correctly when power is restored.

FUNCTION	DTMF CODE FOLLOWED BY R	TERMINAL
Auxiliary 4 ON	4	C
Auxiliary 4 OFF	5	C
RRemote control relay ON	*	D
Remote control relay OFF	#	D

Table 2 - Bistable actuator control codes

The DTMF - R codes are active exclusively during the conversation with the interphone or with the continuous standby tone for internal dialling.

4. TIMERS

Two timers are envisaged in the system, described below:

4.1. DIALLING STANDBY

When the user raises the handset (in the case of internal priority), or makes a similar move to obtain the continuous tone to execute a command or configuration, there is a 10-second interval in which to start the operation. If no operation is performed within this timeout the user is encapsulated (the tone is heard, as described in Table 6) and the only possible actions are to replace the handset or press FLASH to return to the continuous tone.



If the procedure requires more than one digit, the timeout is renewed after each number.

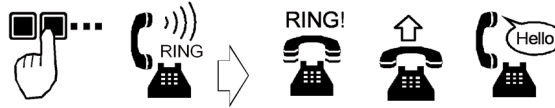
4.2. STANDBY FOR EXTERNAL LINE

The maximum standby time for an external line with the handset replaced is set at 3 minutes (180 seconds). During this phase, the device rings at the frequency specified in Table 7. The warning tone starts as soon as the handset is replaced. The line is released automatically after this time interval.



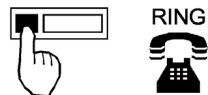
4.3. EXTERNAL CALL

When the system recognises an external call, it switches the device from the internal line (where it is normally left) to the external line to receive the call signal from the line and a possible Caller ID. If the handset is raised within 6 seconds from the last ring, the telephone is connected to the external line.

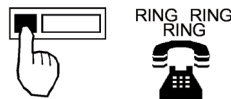


4.4. INTERPHONE

When the system recognises an interphone call, the unit rings at the frequency of the person pressing the call pushbutton.



The system can also be programmed to generate a ring frequency independently from the caller actions, as described in Table 7.



In both cases, if the handset is raised within 10 seconds of the last call, the telephone is connected to the interphone.

Both in the case of an answered call or engagement of the telephone, the maximum conversation time with the interphone is set at 3 minutes (180 seconds) after which the telephone is encapsulated.



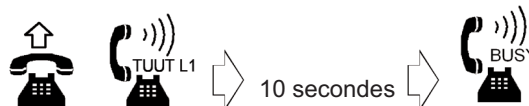
4.5. EXTERNAL LINE ENGAGE

4.5.1. Presence of urban line

When the telephone is to be connected to an external line, a check is made to ensure the presence of adequate current on the line-telephone circuit. If this current is not detected, the telephone is encapsulated. The internal tone can be obtained by pressing **FLASH**.

4.5.2. External dialling standby

Once the line is engaged for an external call, the user has 10 seconds in which to start dialling, after which, if no dialling is made, the line drops and the telephone is *encapsulated*.



4.6. INTERPHONE DIVERT

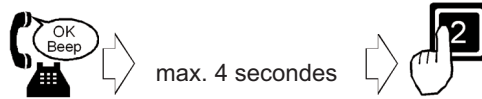
Once the relative number to be called is programmed and the function enabled (see paragraph 6 - table 5), the interphone call with the telephone replaced activates the command for the external lamp, (terminal 12 - L) engage the line, wait 2.5s before dialling the required receiver. The device does not ring in any of these phases. At the end of dialling the audio channel is connected between the line and interphone. In the following drawing, the telephone indicates the user being called.



One minute after the end of dialling, the remote user called is notified, by the emission of a two-tone signal for 1 second, that the switchboard is on standby for a DTMF digit according to the following table:

CODE	FUNCTION
0	Continues conversation for another 30 seconds
1	Temporarily activates the lock release
2	Temporarily activates the gate open
3	Temporarily activates the stair light
4	Temporarily activates auxiliary 4, if monostable
4	Activates auxiliary 4, if bistable
5	Deactivates auxiliary 4, if bistable
*	Activates the remote-controlled relay
#	Deactivates the remote-controlled relay
6, 7, 8, 9 and 5 if auxiliary 4 is not bistable	NONE

Table 3 - Remote control codes



During emission of the tone and standby for the number, the interphone audio is disconnected. If no number arrives in time, the conversation is shut off after the external lamp is switched off.

N.B. The external lamp that indicates diversion of the interphone call must be connected between terminals 12 and L. The output voltage is 12V d.c.

5. REMOTE CONTROL

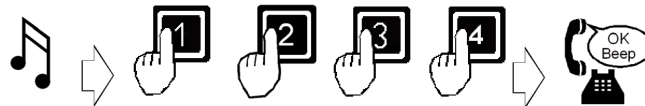
The system can be programmed so that the status of all actuators can be modified by remote control or via DTMF codes. For monostable actuators, only temporary activation is possible, equal to the pre-set duration. For bistable actuators, they can be set to the energised or de-energised status.

On the system is configured as described in chapter 6, in the event of an incoming call, the system responds after a long interval (default 25 seconds, equal to around 5 rings) emitting a series of tones as specified in the settings PP = 11 in Table 5. In the following drawing, the device indicated is the remote version used by the person controlling the switchboard.



A timer of 10 seconds (default) is activated, which is reset each DTMF digit received. When the timer interval elapses, an “encapsulation” tone is emitted and the line is released.

After the answer, the password must be entered (default 1234). If the password is correct, a single long two-tone sound is emitted.



If incorrect, after the last digit entered, the system sends an “encapsulation” tone and shuts off the line.



N.B. The password can be changed by programming PP=10 (see chapter 6). The valid codes to be entered by the user are provided in the table below:

CODE	FUNCTION
0	Continues conversation for another 30 seconds
1	Temporarily activates the lock release
2	Temporarily activates the gate open
3	Temporarily activates the stair light
4	Temporarily activates auxiliary 4, if monostable
4	Activates auxiliary 4, if bistable
5	Deactivates auxiliary 4, if bistable
*	Activates the remote-controlled relay
#	Deactivates the remote-controlled relay
6, 7, 8, 9 and 5 if auxiliary 4 is not bistable	NONE

Table 3 - Remote control codes

Each successful operation is confirmed by the same long two-tone sound used to confirm acceptance of the password. For example, to open the gate press



6. PROGRAMMING

System programming is very simple and does not envisage the entry of a password for programming. All programming uses DTMF codes, without the need for the FLASH key.

User settings are in the following form:

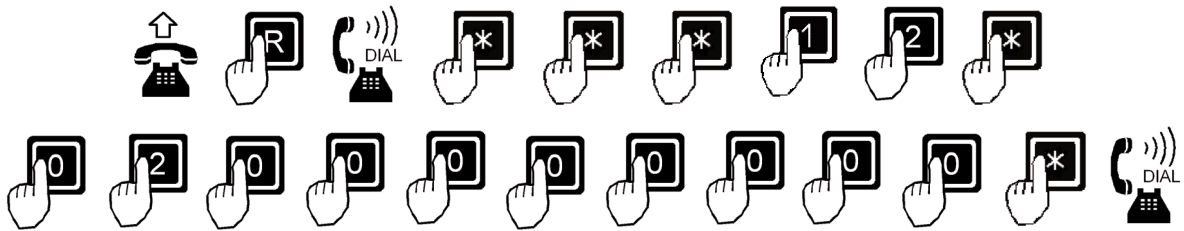
*****PP*D...D***

where PP indicates programming according to Table 5, and D...D are one or more numbers that constitute the programming value. The * delimit the settings.

PP	MEANING	D...D	DEFAULT
00	Interphone call	0 = follows pushbutton, 1 = regenerated	Interphone call that follows external activation frequency
01	Priority	0 = external, 1 = internal	External priority
02	Encapsulate in line due to dialling failure	0 = encapsulate, 1 = do not encapsulate	Encapsulate due to external dialling failure
03	Interphone call divert	0 = not active, 1 = active Note: programming PP = 12 must also be made	Interphone divert deactivated
04	Remote control	0 = not active, 1 = active	Remote control not active
05	Auxiliary 4 type actuator	0 = monostable, 1 = bistable	Monostable auxiliary 4 actuator
06	Actuator 1 activation duration (lock release)	1 unit = 100ms	010, 1s
07	Actuator 2 activation duration (stair light)	1 unit = 100ms	010, 1s
08	Actuator 3 activation duration (gate open)	1 unit = 100ms	010, 1s
09	Actuator 4 activation duration	1 unit = 100ms	010, 1s
10	Remote control password	Only numbers 0..9, no * or #. Repeat twice.	1234
11	Type of warning in response to call in case of remote control active	0 = long beep 1 = beep beep 2 = musical scale 3 mutes	0
12	Number to call for interphone divert in urban line. Maximum 20 digits	Use character # for one pause, default 1s. The characters * and # cannot be entered.	blank
13	No warning tones from interphone	0= tone presence 1= no tones	Tone presence

Table 5 – Settings

For example, to program the number associated with diverting the interphone call, enter (for example) 02 0000 0000 (entering also the FLASH key in the case of external priority):



Note: the functions of settings PP 03 and 04 can be replaced by a wire command which can also be placed at a distance from the switchboard by means of just two wires. It is fitted with two switches and two leds alongside the switches to enable the functions of interphone divert and remote control activation.

The type code of this accessory is 352T.

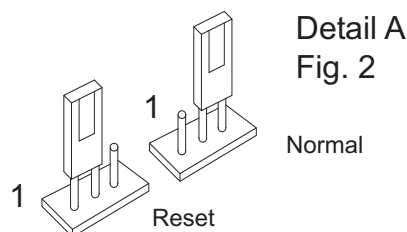
If the wire control is already inserted, the switches have priority over the settings 03 and 04. If it is not inserted, these settings are re-enabled.

7. DEFAULT SETTINGS

All settings can be reset in two ways.

7.1. HARDWARE RESET

This requires insertion of a jumper, connecting the two pins of the microprocessor by means of a resistance.



The system is then turned on and the first time that the handset is raised, all settings stated in Table 5 are returned to the default values. The reset is confirmed by the tone emitted on the handset.



7.2. SOFTWARE RESET

This involves entry of a special code in the system.

The result is identical to the hardware reset procedure. The advantage is that no internal access to the system is required, whereas in very particular cases, this option may not be operative. The code for this reset is (press the **FLASH** key in the case of external priority):



where 1234 is the password used in the remote control procedure. If the user has changed the password, take this into account.

For all types of reset, all statuses of the auxiliary 4 relays and remote control are reset in eeprom, and in particular auxiliary 4 is configured as monostable and therefore immediately set to rest conditions.

The remote control relay is not set to rest status. If the active status is to be maintained, reactivate it manually, otherwise it will be deactivated on the subsequent start-up. The reset is confirmed by the tone emitted on the handset.



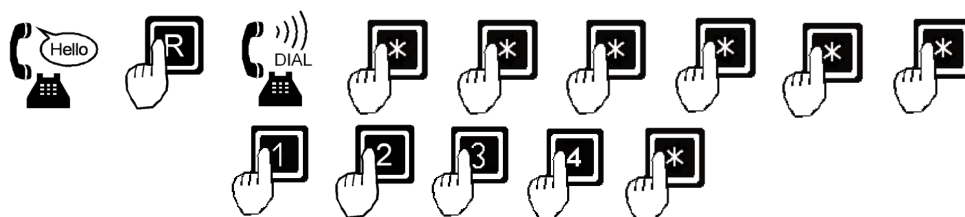
To perform other operations, the handset must be replaced and then raised again, or press the **FLASH** key to restore the line free tone.

8. TELE-SERVICES

The set-up enables the service centre to read and update all switchboard settings.

8.1. ACTIVATION

The service is activated on express request of the user by means of the code



where 1234 is the password used in the remote control procedure. If the user has changed the password, take this into account. At this point the system user will hear the confirmation tone.



To enable the transfer, the handset must be replaced within a maximum interval of 60s. Otherwise the internal unit will be encapsulated.

This interval is the same duration as when there is no activity and the system returns to the internal line.

It is not possible to enter the system unless the owner provides authorisation by this procedure.

9. APPENDIX

9.1. TONES

For signals to the telephone, a two tone signal is used by the overlapping of two sinusoids at the frequency of 350 ± 10 Hz and 425 ± 10 Hz.

The frequency of the tones is as follows:

STONE	FREQUENCY (ON/OFF/...)	PERIOD
Request for dialling	Continuous	N/A
Dissuasion (encapsulation)	0.1s / 0.1s	0.2s
Warning	0.1s / 4.9s	5s
Confirmation of settings hardware reset	0.1s / 0.1s / 0.1s / 0.1s / 0.1s / 1.5s	2s
To line on standby	0.1s / 0.1s / 0.1s / 0.1s / 0.1s / 0.1s / 0.1s / 3.3s	4s
Confirmation of password and actuator activation in remote control function	1s	N/A

Table 6 – Tones

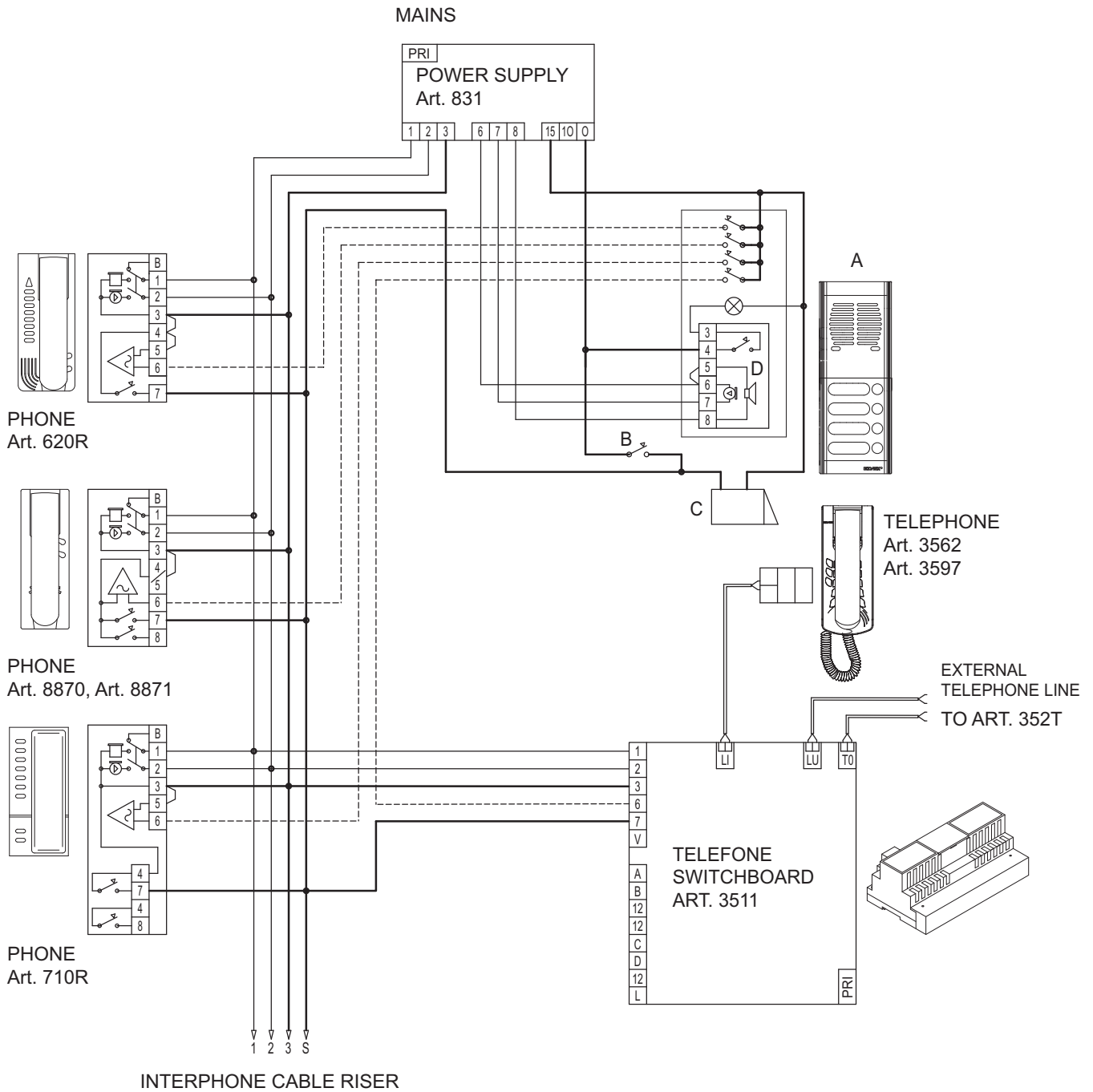
9.2. RINGTONE

The call voltage generated by the switchboard is at 50 Hz. When the telephone is switched directly to the line, the latter sets the voltage. The frequency of the tones is as follows:

RINGTONE	FREQUENCY (ON/OFF/...)	PERIOD
External call (frequency set by external line)	1s / 4s	5s
Interphone ringtone	Set by caller	N/A
Regenerated interphone ringtone	0.4s / 0.4s / 0.4s / 1.8s	3s
Warning of line on standby	0.4s / 0.4s / 0.4s / 0.4s / 0.4s / 3s	5s

Table 7 – Ringtones

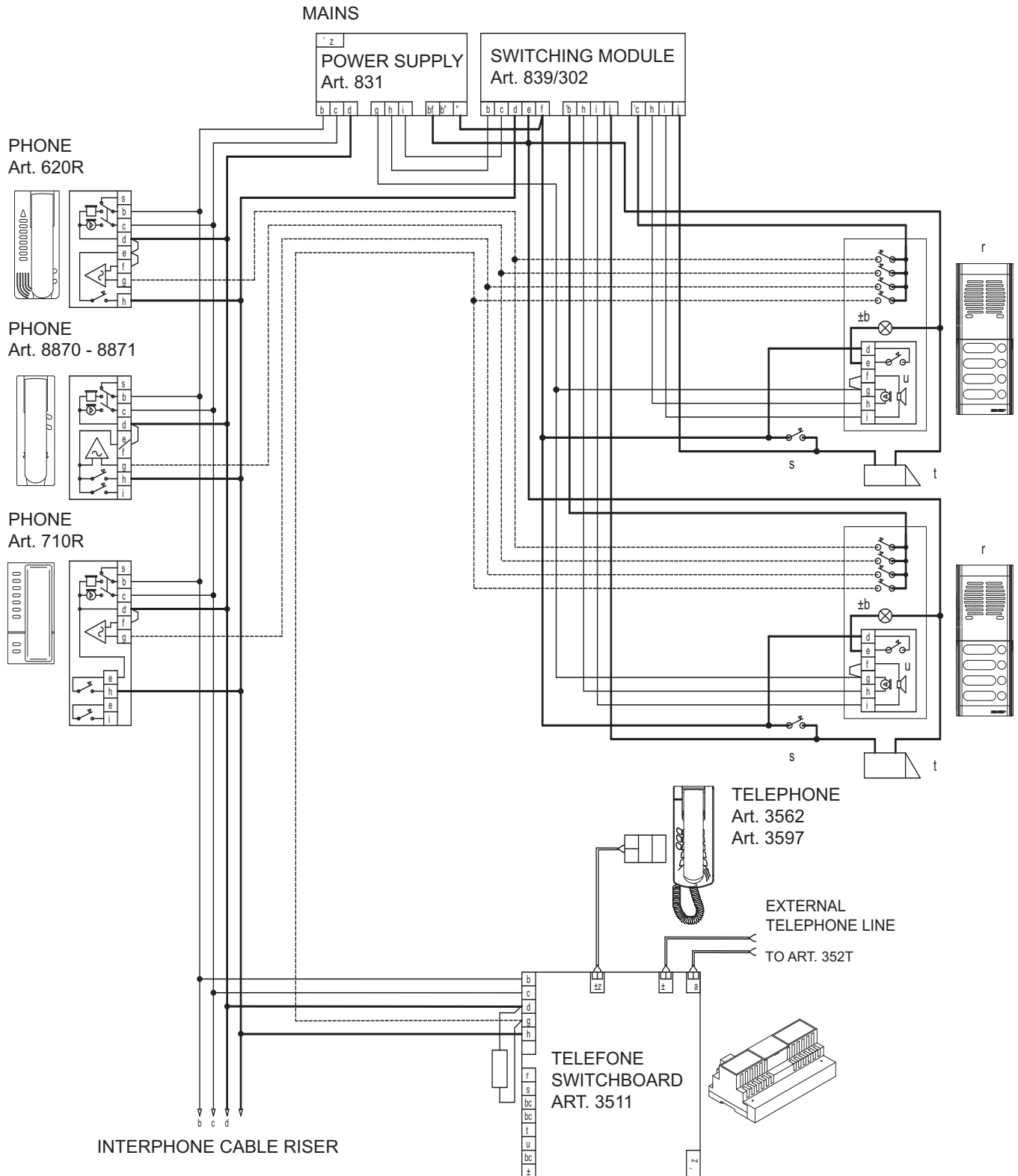
SINGLE AND MULTIPLE RESIDENCE AUDIO DOOR ENTRY SYSTEM WITH A.C. SYSTEM



- A - Door entry panel series 8000, 8100 3300, 1200 and PATAVIUM
- B - Door lock additional pushbutton
- C - 12V ~ electric door lock
- D - Speech unit Art. 0930 - 930A
- L1- Led module for entrance panel.
(10 modules LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4424

DOOR ENTRY SYSTEM FOR SINGLE OR MULTI-RESIDENCE INSTALLATIONS WITH A.C. SYSTEM AND TWO SPEECH UNIT

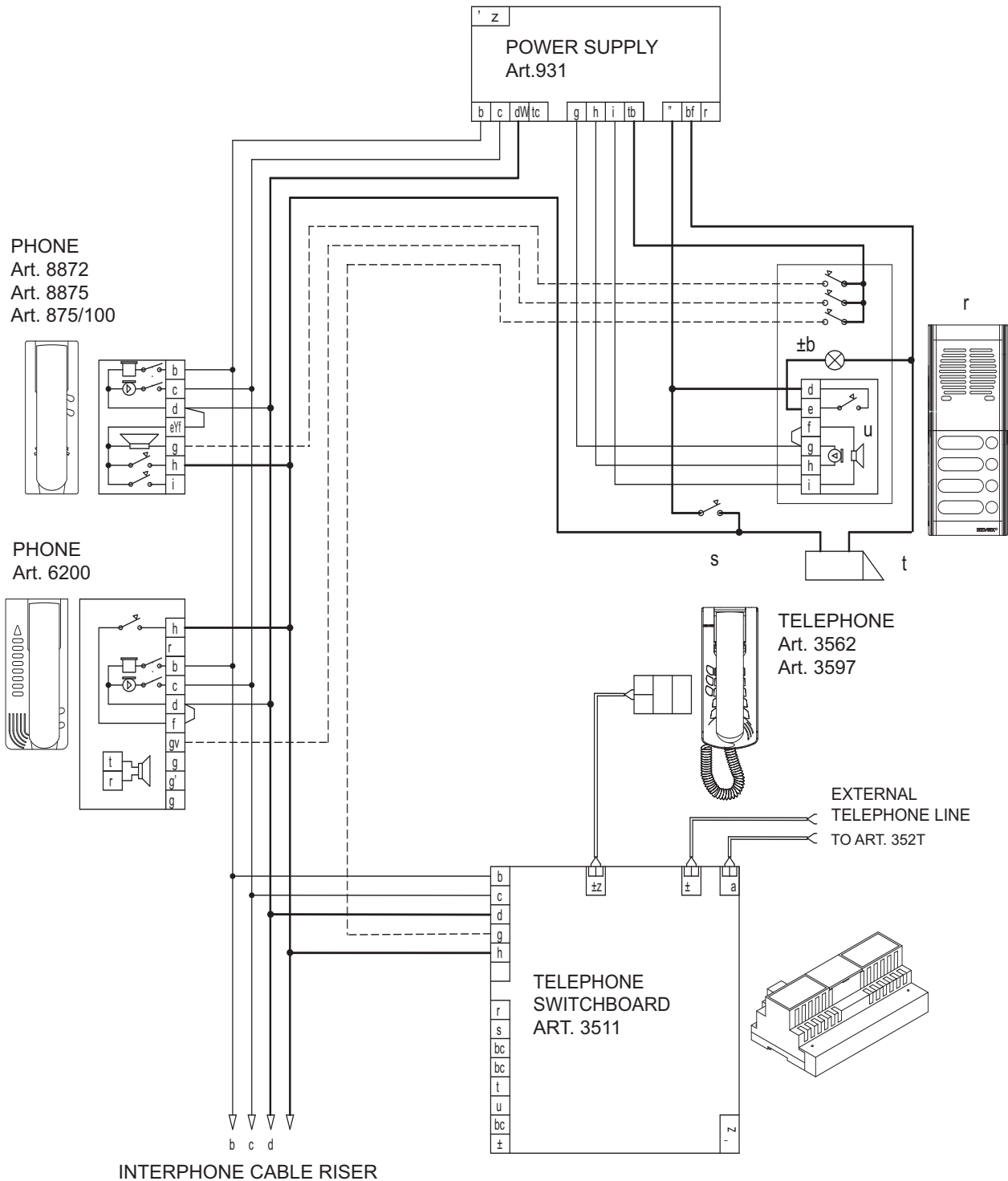


- A - Door entry panel series 8000, 8100
3300, 1200 and PATAVIUM
- B - Door lock additional pushbutton
- C - 12V ~ electric door lock
- D - Speech unit Art. 0930 - 930A
- R - Resistor 56 Ohm 2W
- L1- Led module for entrance panel.
(10 modules LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4427

SINGLE AND MULTIPLE RESIDENCE AUDIO DOOR ENTRY SYSTEM WITH SOUND SYSTEM

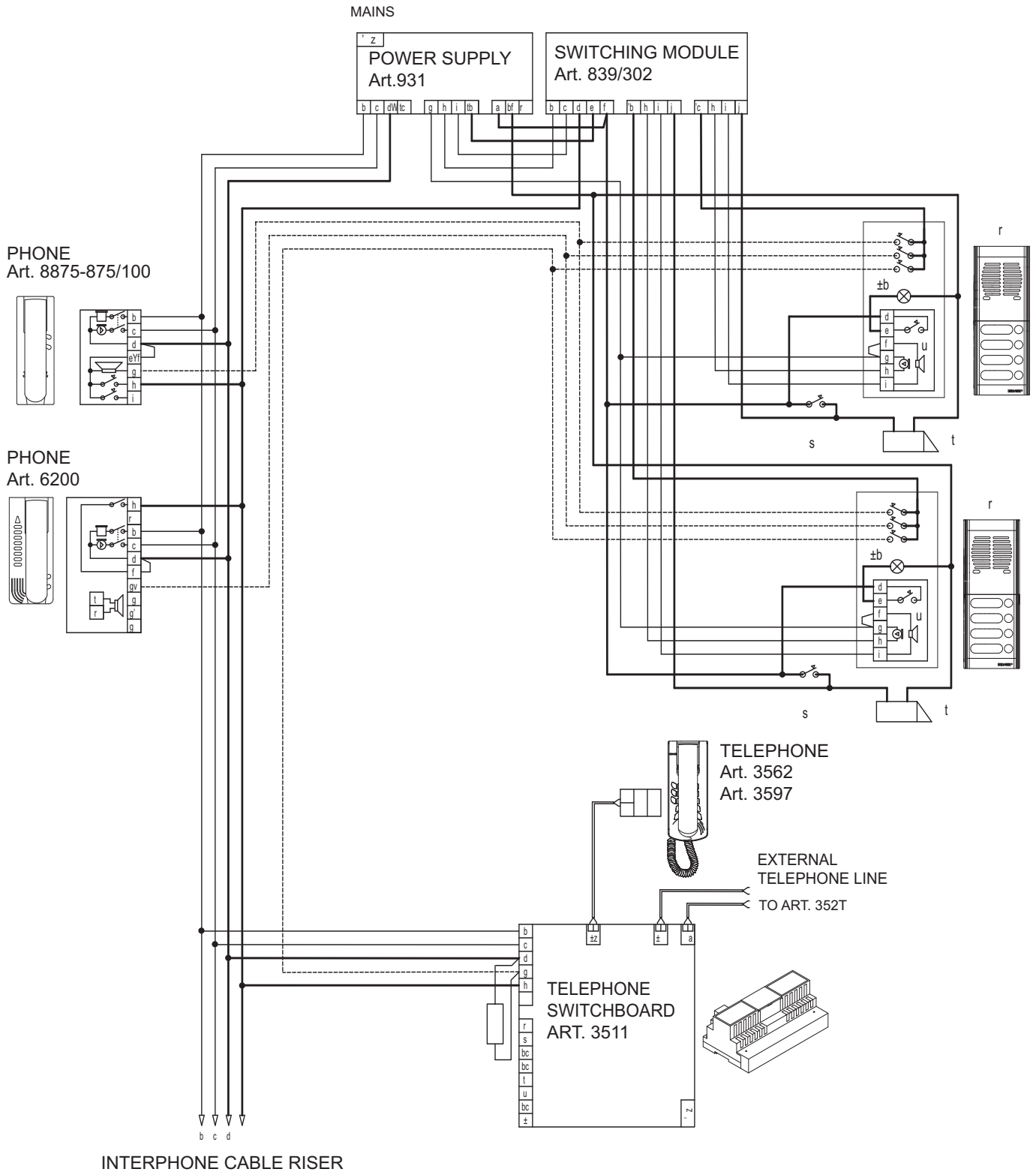
MAINS



- A - Door entry panel series 8000, 8100
3300, 1200 and PATAVIUM
- B - Door lock additional pushbutton
- C - 12V ~ electric door lock
- D - Speech unit Art. 0930 - 930A
- L1- Led module for entrance panel.
(10 modules LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4428

DOOR ENTRY SYSTEM FOR SINGLE OR MULTI-RESIDENCE INSTALLATIONS WITH SOUND SYSTEM AND TWO SPEECH UNIT



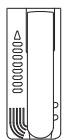
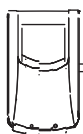
- A - Door entry panel series 8000, 8100 3300, 1200 and PATAVIUM
- B - Door lock additional pushbutton
- C - 12V ~ electric door lock
- D - Speech unit Art. 0930 - 930A
- R - Resistor 56 Ohm 2W
- L1- Led module for entrance panel.
(10 modules LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4429

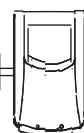
VIDEO DOOR ENTRY SYSTEM FOR SINGLE OR MULTI-RESIDENCE INSTALLATIONS WITH SOUND SYSTEM CALL

MONITOR CABLE RISER

MONITOR
Art. 6000 +
Art. 6200 +
Art. 6145



MONITOR
Art. 6000 +
Art. 6200 +
Art. 6145



TELEPHONE
Art. 3562
Art. 3597

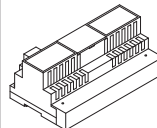


EXTERNAL
TELEPHONE LINE
TO ART. 352T

MONITOR
Art. 6300
Art. 6301
Art. 6320
Art. 6321
Art. 6303
Art. 6500
Art. 6501



TELEPHONE
SWITCHBOARD
ART. 3511



MAINS

N.B.
If a humming sound is detected on the phonic line, set slide switch "A-B" under the cover to position "A".

POWER SUPPLY
Art. 6680



- A - Video entrance panel series 8000, 8100, 3300, 1200 and PATAVIUM
- B - 12V~ electric door lock
- C - Camera with speech unit
Art. 0554-0554/00R-0558-0559
- D - Door lock additional push-button
- L1- Led module for entrance panel.
(10 modules LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

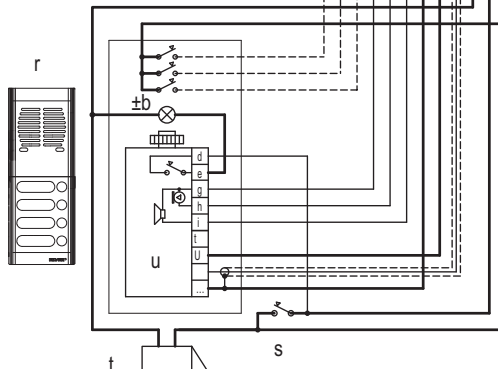
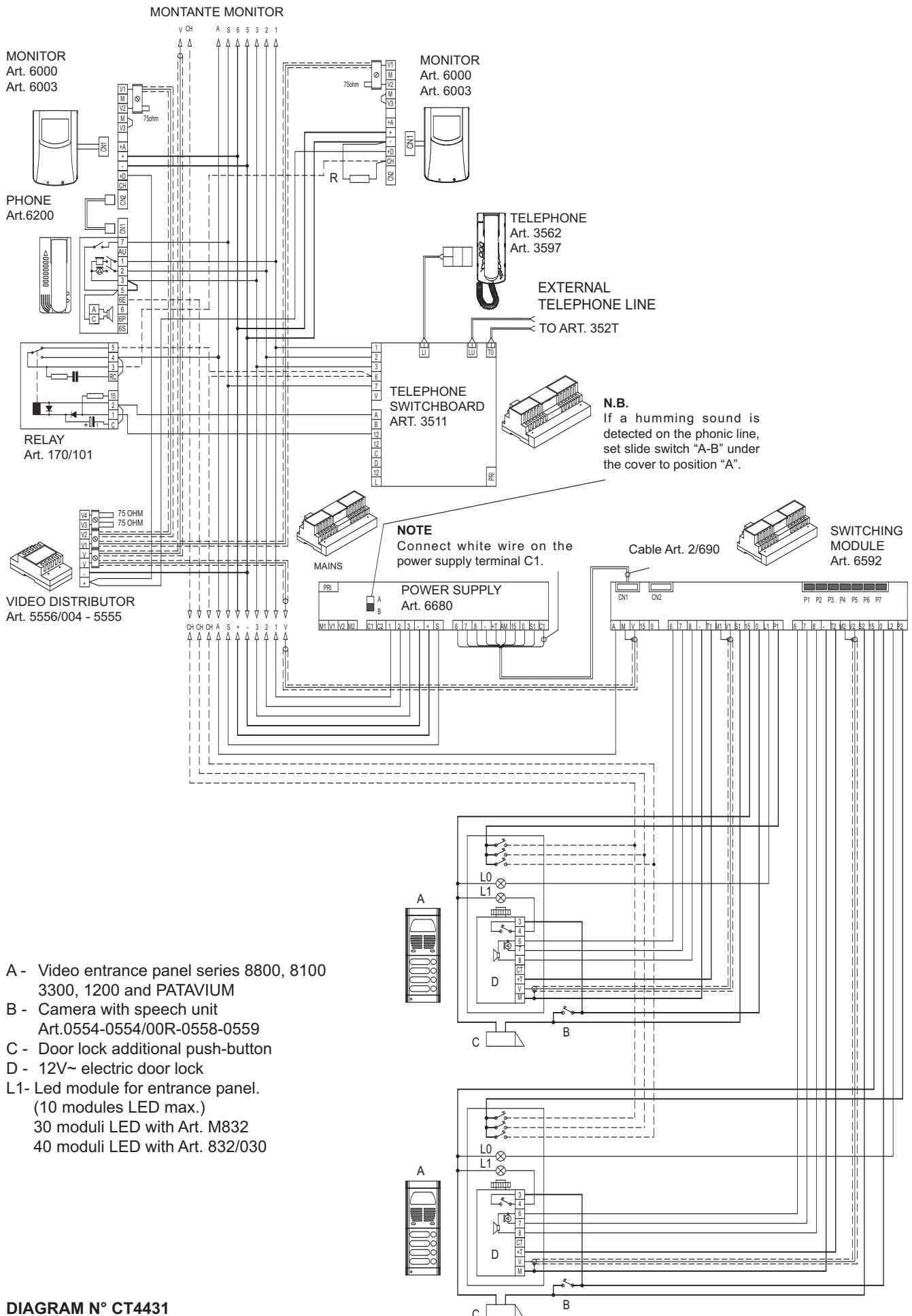


DIAGRAM N° CT4430

VIDEO DOOR ENTRY SYSTEM FOR SINGLE OR MULTI-RESIDENCE INSTALLATIONS WITH SOUND SYSTEM CALL AND WITH TWO VIDEO ENTRANCE PANEL




- A - Video entrance panel series 8800, 8100 3300, 1200 and PATAVIUM
- B - Camera with speech unit Art.0554-0554/00R-0558-0559
- C - Door lock additional push-button
- D - 12V~ electric door lock
- L1- Led module for entrance panel. (10 moduli LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4431

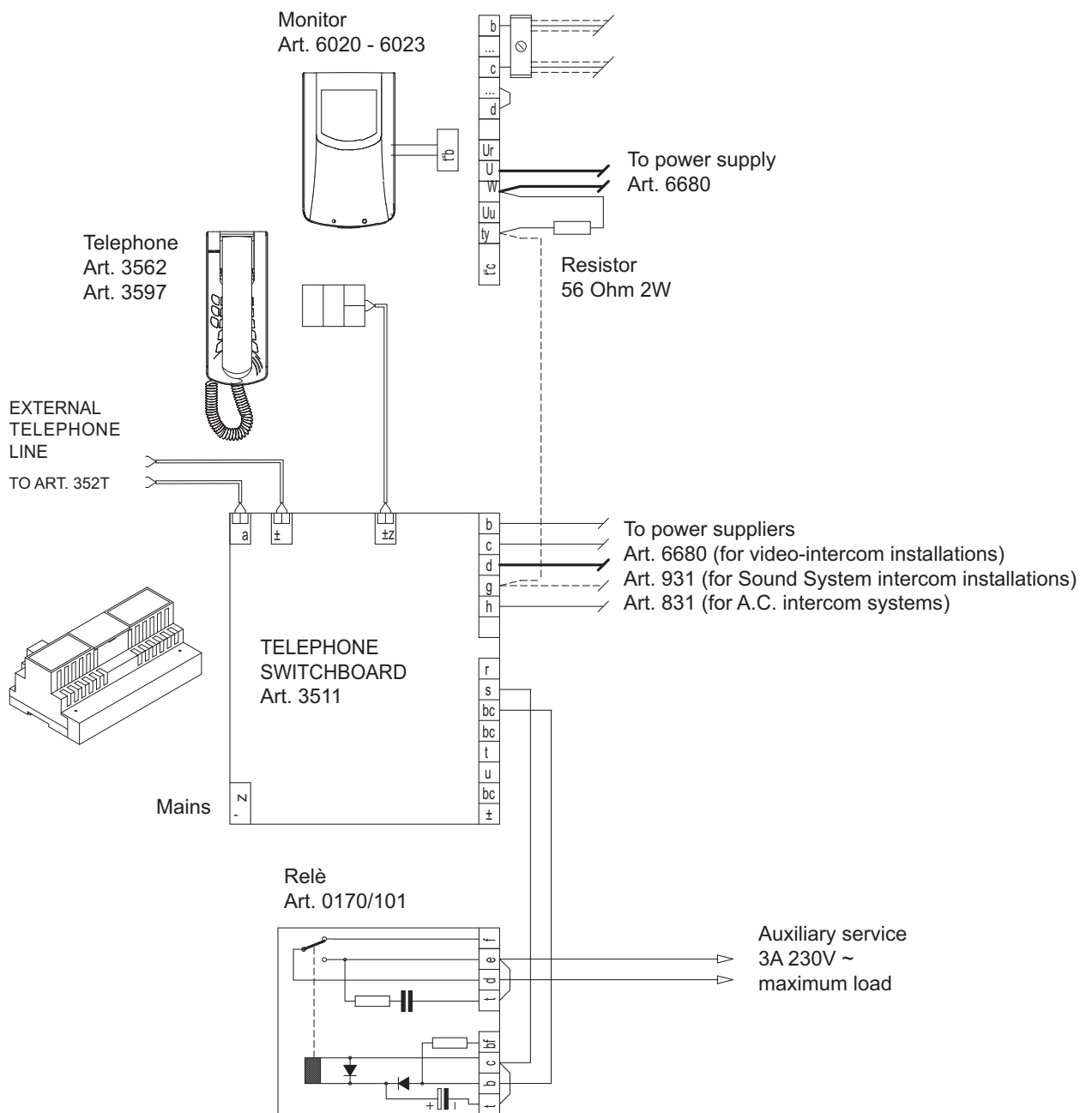
VERSION 1A

Connection of first additional service for activation of generic auxiliary services

To activate the auxiliary function from the multifunction telephone Art. 3562 insert relay Art. 0170/101 as shown in diagram.


For the activation press “” push-button or alternatively push-buttons “2R” on the telephone set. The use of this function is an alternative to that shown in version 1B.

N.B. On a video installation connect (on bracket Art. 7146) the resistor (provided with the telephone switchboards) between terminal “-” and “CH”. On an audio only intercom installation ignore the monitor connection shown in diagram.

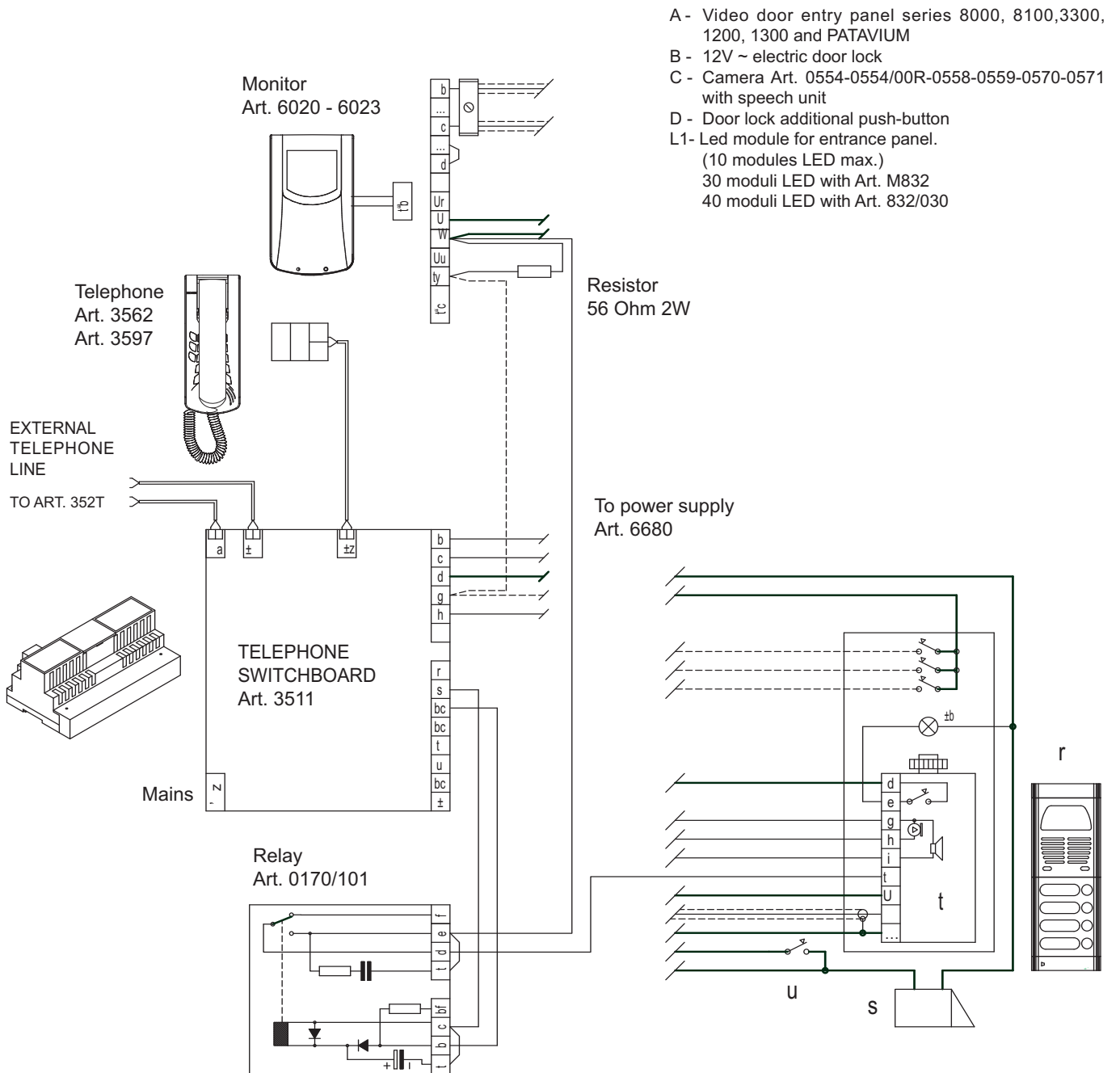


VERSION 1B

Connection of 1st. additional service for the "VIDEOMOVING" function activation on video-door entry systems.

To activate the "VIDEOMOVING" function from the multifunction telephone Art. 3562 connect a relay Art. 0170/101 as shown in diagram. For the activation press  push-button or alternatively "2R" push-buttons on the telephone set .

ATTENTION: Set the first auxiliary function activation time at the minimum dwell (1 second - see switchboard programming).
N.B. Connect (on bracket Art. 7146) the resistor (provided with the telephone switchboards) between terminal "-" and "CH".



VERSION 2A

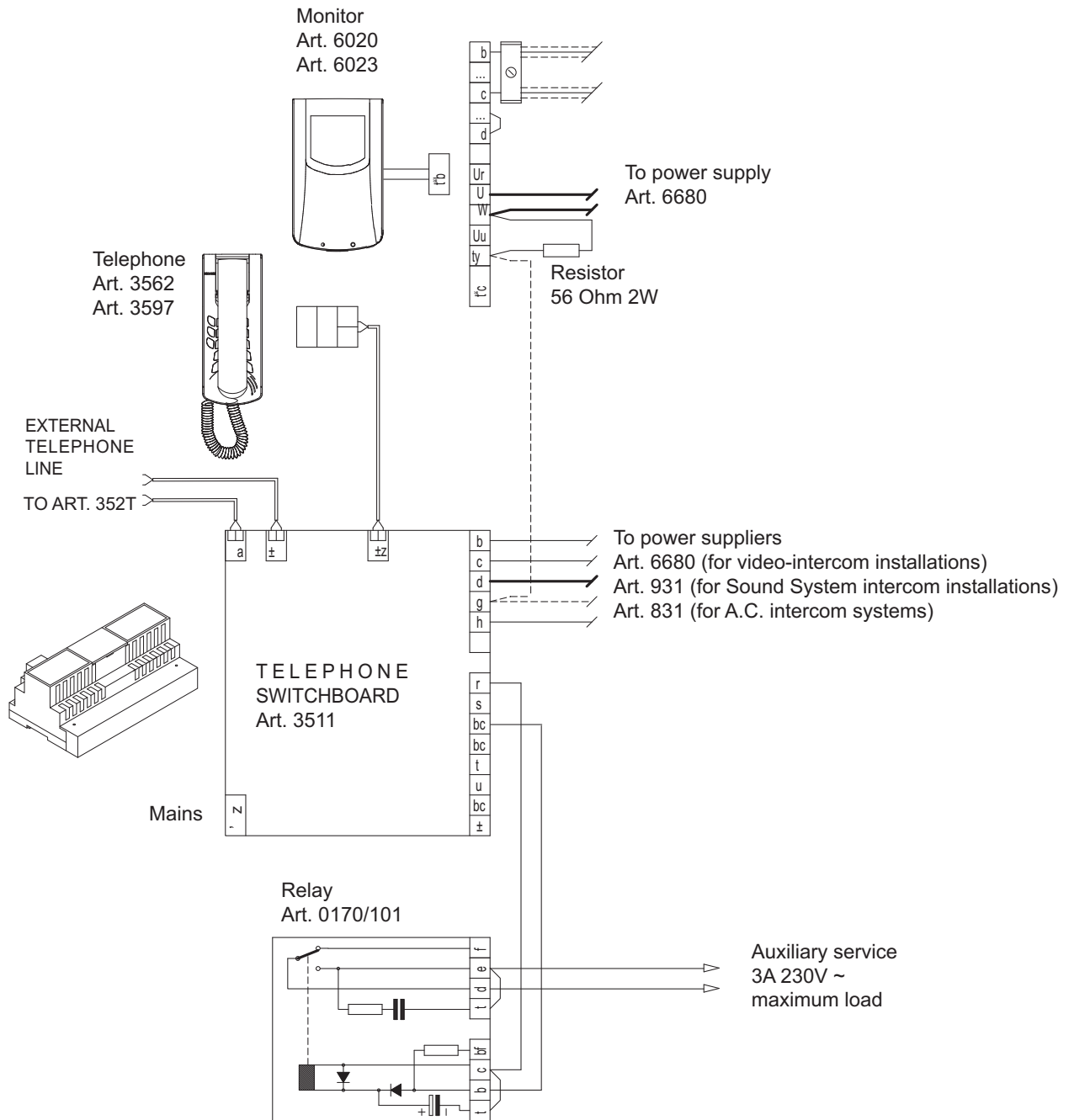
Connection of 2st. additional service for additional services activation.

To activate the installation from the multifunction telephone Art. 3562 connect relays Art. 0170/101 as shown in diagram.

To activate the function press push-button or alternatively push-buttons "3R" on the telephone set.
The use of this function is an alternative to that shown in version 2B.

N.B. On a video installation connect (on bracket Art. 7146) the resistor (provided with the telephone switchboards) between terminal "-" and "CH".

On a audio intercom installation ignore the monitor connection shown in the diagram.

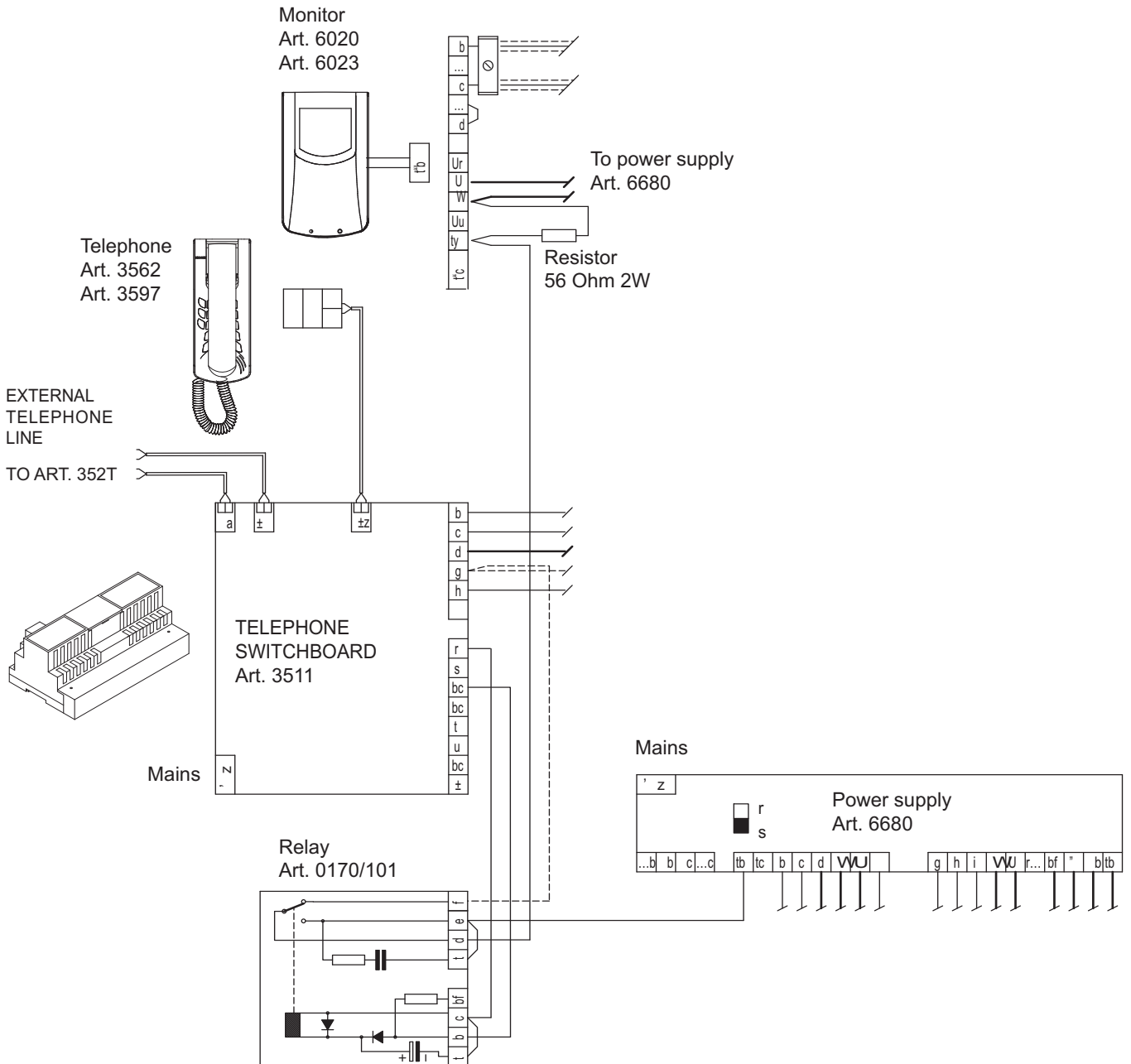


VERSION 2B

Connection of 2st. additional service for the automatic monitor switching on on video-intercom systems.

To activate the installation from the multifunction telephone Art. 3562 connect relays Art. 0170/101 as shown in diagram. For the auto-switching on press push-button or alternatively push-button "3R" on the telephone set.

N.B. Connect (on bracket Art. 7146) the resistor (provided with the telephone switchboards) between terminal "-" and "CH".

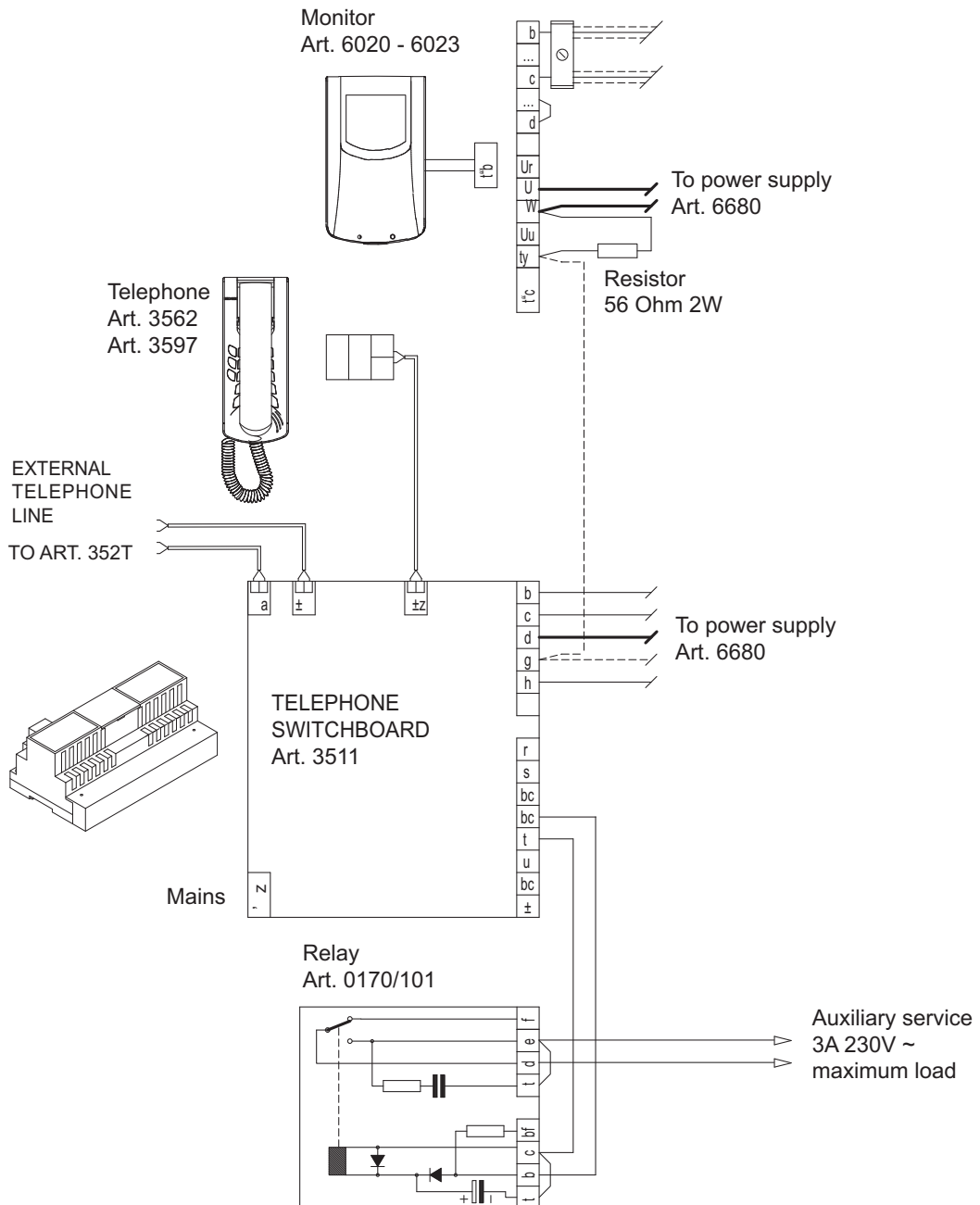


VERSION 3A

Connection for the activation of generic auxiliary services.

To activate this auxiliary function it is necessary to connect a relay type 0170/101 according to the wiring diagram, which is activated by pressing in sequence the "4R" push-buttons.

NOTE: This auxiliary function may be activated also as a bistable command (see pag. 8-9 - programming).



VERSION 3B

Auxiliary services activation with ON/OFF type control.

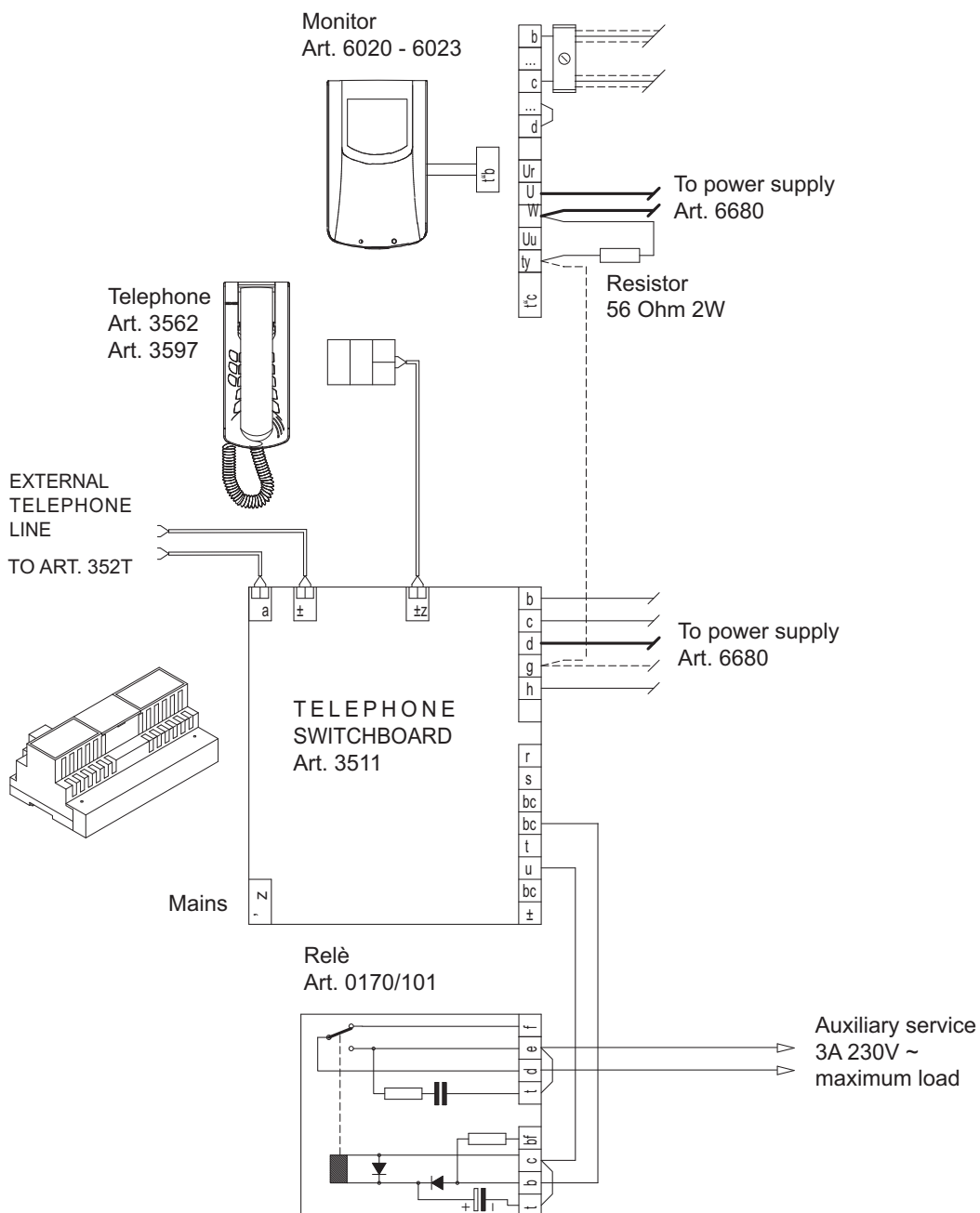
To activate this auxiliary function connect relays Art. 0170/101 as shown in diagram.

Operation:

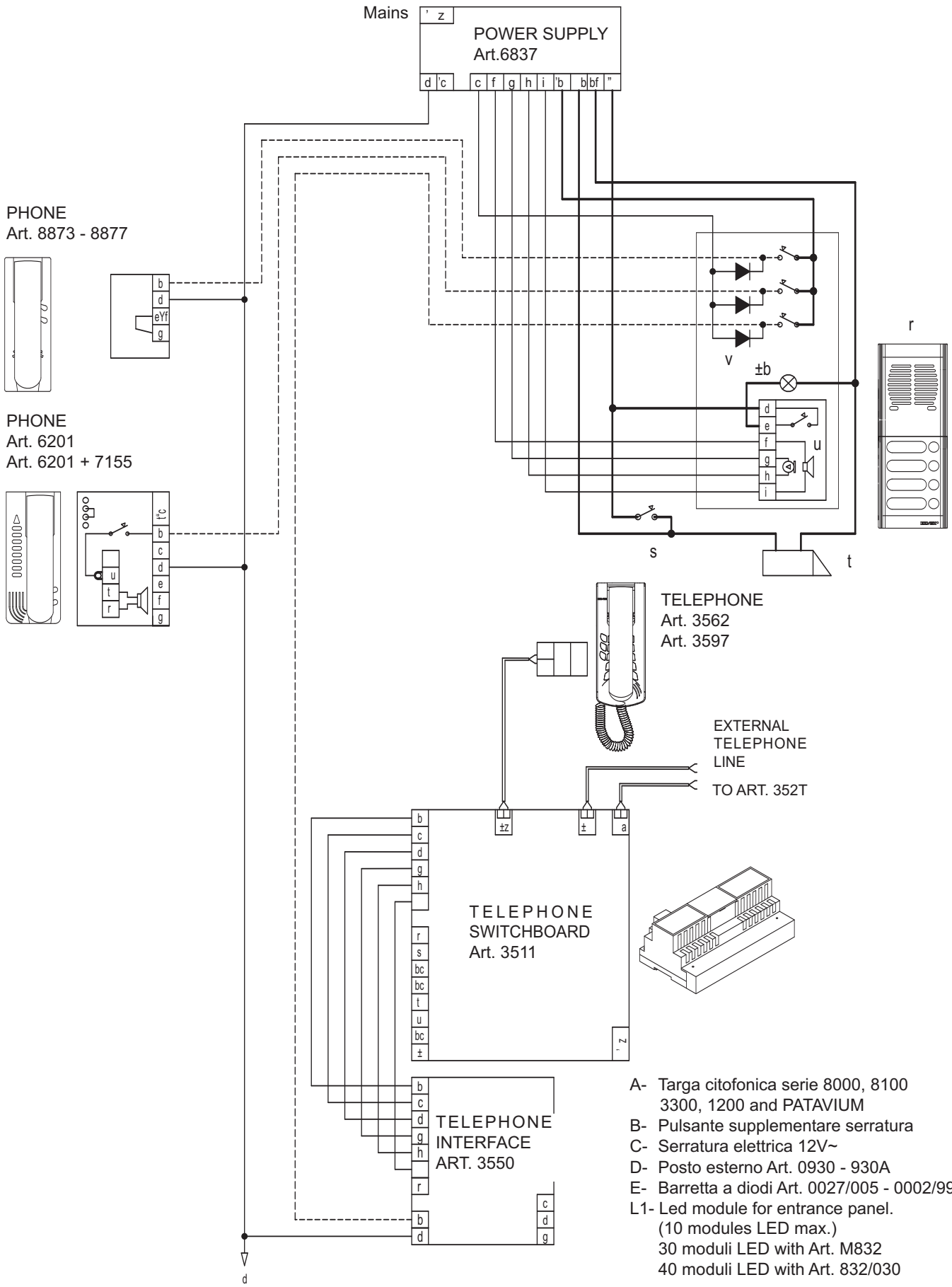
Pressing push-buttons "971R" in sequence energizes which remains energized without time limits: by pressing push-buttons "970R" in sequence the relay resume its position (step to step function).

N.B. On a video installation connect (on bracket Art. 7146) the resistor (provided with the telephone switchboards) between terminal "-" and "CH".

On a audio intercom installation ignore the monitor connection shown in the diagram.



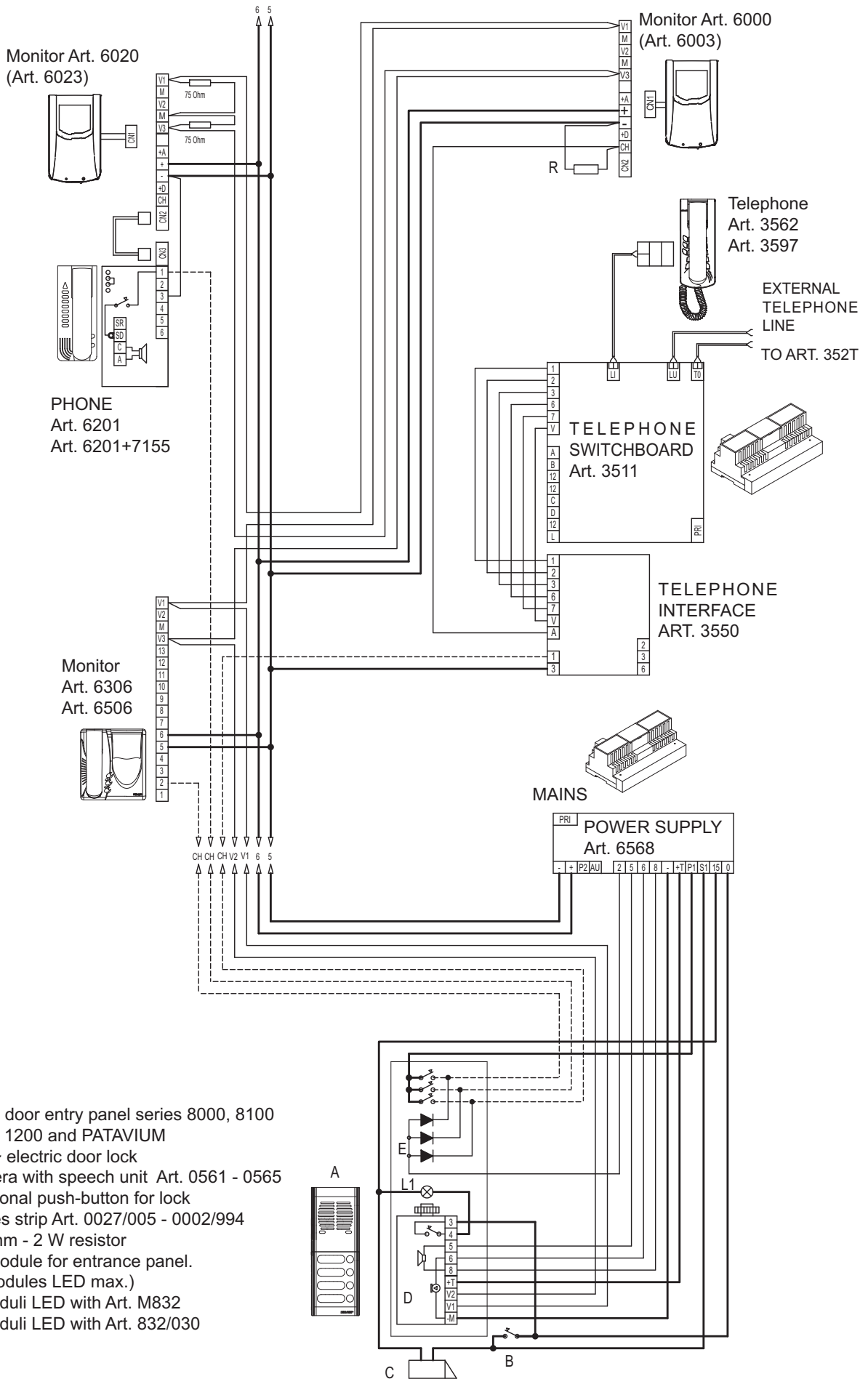
2-WIRE INTERPHONE SYSTEM FOR SINGLE-MULTIRESIDENCE SOUND SYSTEM INSTALLATIONS



- A- Targa citofonica serie 8000, 8100 3300, 1200 and PATAVIUM
- B- Pulsante supplementare serratura
- C- Serratura elettrica 12V~
- D- Posto esterno Art. 0930 - 930A
- E- Barretta a diodi Art. 0027/005 - 0002/994
- L1- Led module for entrance panel.
(10 modules LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4432

SINGLE - MULTIRESIDENCE VIDEO DOOR ENTRY SYSTEM WITHOUT COAXIAL CABLE




- A - Video door entry panel series 8000, 8100 3300, 1200 and PATAVIUM
- B - 12V ~ electric door lock
- C - Camera with speech unit Art. 0561 - 0565
- D - Additional push-button for lock
- E - Diodes strip Art. 0027/005 - 0002/994
- R - 56 Ohm - 2 W resistor
- L1- Led module for entrance panel. (10 moduli LED max.)
30 moduli LED with Art. M832
40 moduli LED with Art. 832/030

DIAGRAM N° CT4433

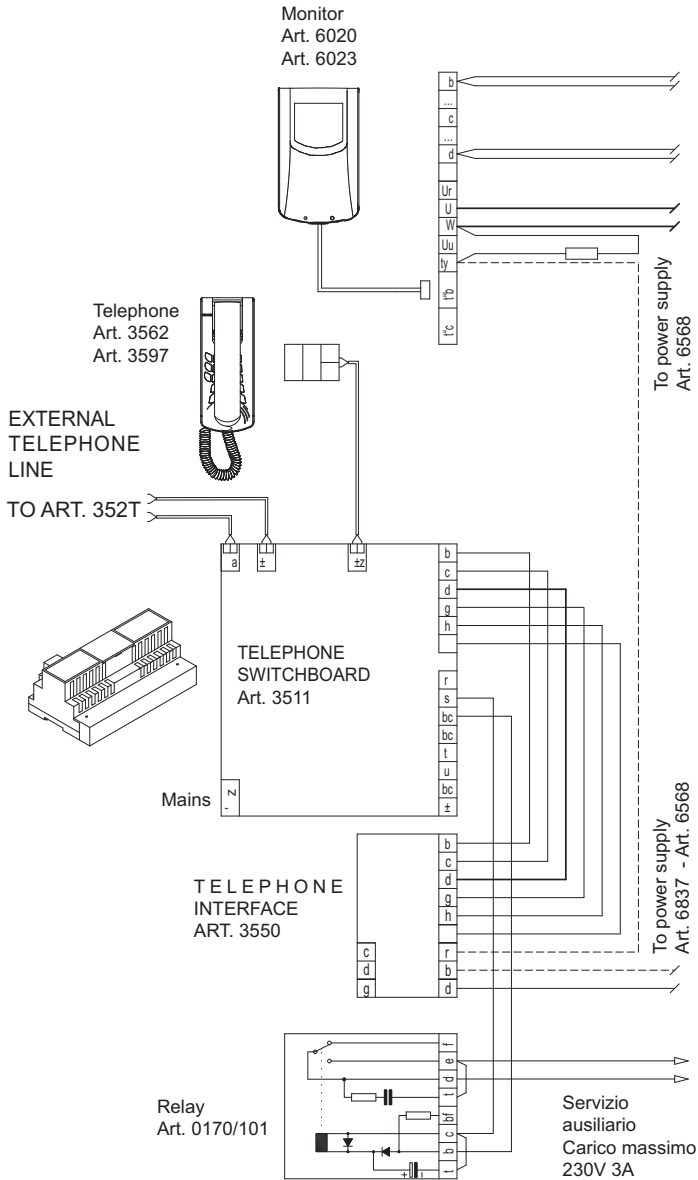
VERSION 4

Connection of 1st. additional service on 2-wire installations or on installations without coaxial cable for auxiliary services activation.

Connect a relay Art. 0170/101 according to diagram to activate the auxiliary function from the multifunction telephone

Art. 3562. Press  push-button or as an alternative push-button "2R" on the telephone set to activate the function.


N.B. On a video installation connect (on bracket Art. 7146) the resistor (provided) between terminal "-" and "CH". On an audio installation ignore the monitor connection shown in the diagram.



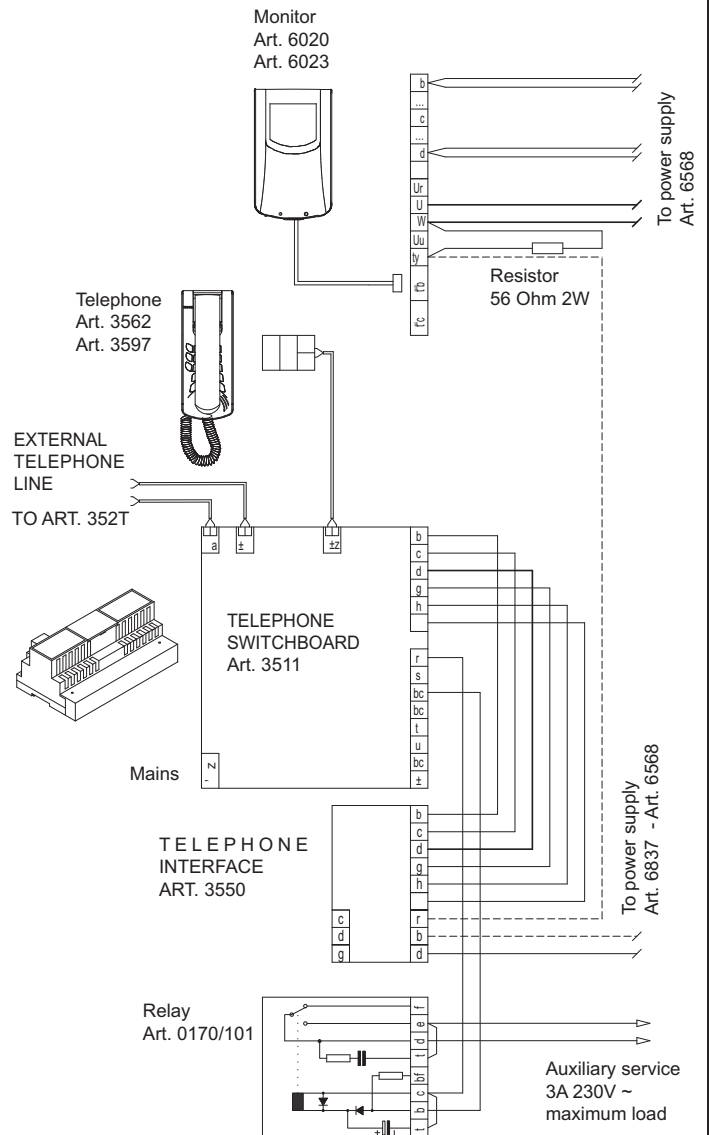
VERSION 5

Connection of second additional service for 2-wire installations or on installations without coaxial cable for auxiliary services activation.

To activate the installation from the multifunction telephone Art. 3562 connect a relay Art. 0170/101 as shown in diagram.

To activate the function press  push-button or as an alternative push-buttons "3R" on the telephone set. This function is used as an alternative to that shown in version 5B.

N.B. On a video installation connect the resistor (provided with the telephone switchboards) between the switchboards terminals "-" and "CH". On an audio interphone installation ignore the monitor connection shown in the diagram.



VERSION 6

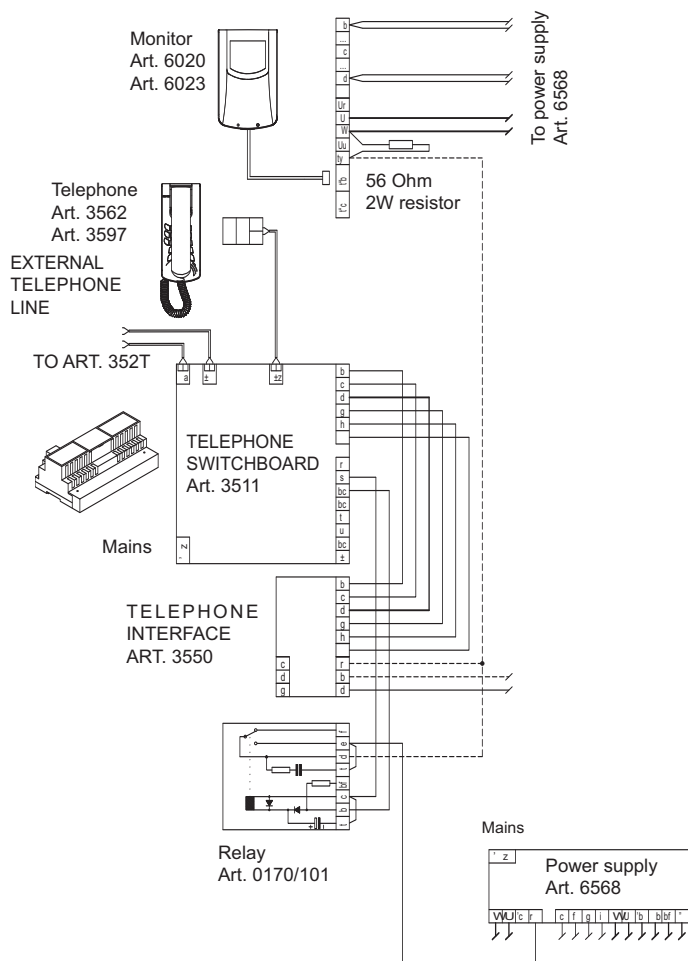
Second additional service connection.

To be used on installation without coaxial cable for the monitor auto-switching on.

To activate the installation from the multifunction telephone Art. 3562 connect a relay Art. 0170/101 as shown in diagram.

To activate the function press push-button or as an alternative push-buttons "3R" on the telephone set.

N.B. Connect the resistor (provided with the telephone switchboards) between the switchboards terminals "-" and "CH".



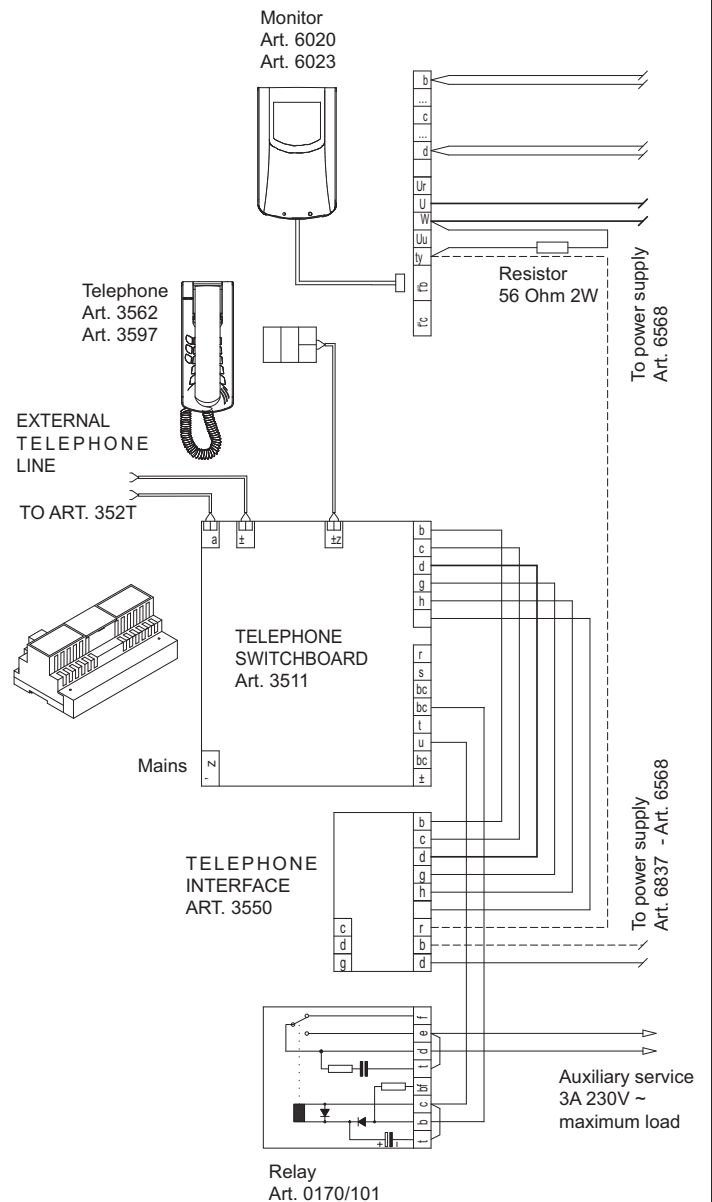
VERSION 6

Auxiliary services activation. To be used with ON-OFF switch on 2-wire installations or on installations without coaxial cable.

To activate this auxiliary function connect relay Art. 0170/101 as shown in diagram.

Operation:

Pressing "971R" push-buttons in sequence the relays energizes and remains energized without time limits: by pressing, instead, "970R" push-buttons in sequence the relay resumes its rest position (step to step). On a video intercom installation connect (on bracket Art. 7146) the resistor (provided with the telephone switchboards) between terminal "CH" and "-".





ELVOX

SAFETY INSTRUCTIONS FOR INSTALLERS

- Carefully read the instructions on this leaflet: they give important information on the safety, use and maintenance of the installation.
- After removing the packing, check the integrity of the set. Packing components (plastic bags, expanded polystyrene etc.) are dangerous for children. Installation must be carried out according to national safety regulations.
- It is convenient to fit close to the supply voltage source a proper bipolar type switch with 3 mm separation (minimum) between contacts.
- Before connecting the set, ensure that the data on the label correspond to those of the mains.
- This apparatus must only be used for the purpose for which it was expressly designed, e.g. for audio or 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 the event of faults and/or malfunctions, disconnect from the power supply immediately by means of the switch and do not tamper with the apparatus.
- For repairs apply only to the technical assistance centre authorized by the manufacturer.
- Safety may be compromised if these instructions are disregarded.
- Do not obstruct opening of ventilation or heat exit slots and do not expose the set to dripping or sprinkling of water. No objects filled with liquids, such as vases, should be placed on the apparatus.
- Installers must ensure that manuals with the above instructions are left on connected units after installation, for users' information.
- All items must only be used for the purposes designed.
- **WARNING:** to prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- This leaflet must always be enclosed with the equipment.



Directive 2002/96/EC (WEEE)

The crossed-out wheeled bin symbol marked on the product indicates that at the end of its useful life, the product must be handled separately from household refuse and must therefore be assigned to a differentiated collection centre for electrical and electronic equipment or returned to the dealer upon purchase of a new, equivalent item of equipment.

The user is responsible for assigning the equipment, at the end of its life, to the appropriate collection facilities.

Suitable differentiated collection, for the purpose of subsequent recycling of decommissioned equipment and environmentally compatible treatment and disposal, helps prevent potential negative effects on health and the environment and promotes the recycling of the materials of which the product is made. For further details regarding the collection systems available, contact your local waste disposal service or the shop from which the equipment was purchased.

Risks connected to substances considered as dangerous (WEEE).

According to the WEEE Directive, substances since long usually used on electric and electronic appliances are considered dangerous for people and the environment. The adequate differentiated collection for the subsequent dispatch of the appliance for the recycling, treatment and dismantling (compatible with the environment) help to avoid possible negative effects on the environment and health and promote the recycling of material with which the product is compound.

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