



SYSTEM DESCRIPTION

The 142 switchboard for hotel or porter use can send and receive calls from any user, switch calls from interphones to the interphone for night service and bring the night service interphone into communication with the speech unit.

OPERATION FOR SWITCHBOARD type 142A, 142B,, 142I

During "Daytime" operation (GN key set to G) private conversation is possible between the switchboard and the interphones. To communicate from the switchboard to the interphones, lift the interphone of the switchboard, activate the line selector key and press the CH button.

To make a call from the interphones to the switchboard, simply lift the interphone of the interphone; the switchboard will signal the call by lighting up the LED for the interphone and activating the internal electronic ringtone. When you lift the switchboard interphone, the ringtone is switched off. To enter into communication with the interphone, simply activate the relevant line selector key and speak. At the end of the conversation, deactivate the line selector key and replace the interphones. For "Night" operation (GN key set to N), the switchboard interphone has to be hung up and all the line selector keys must be deactivated. In this operating state, all calls from the interphones are diverted to the night interphone, which is able to communicate with the interphones without conversation privacy. On receipt of a call from the entrance panel, the night interphone can communicate

with the speech unit by holding the push-button  down. To open the door lock from the night interphone, simply press the push-button .

Switchboards with 80, 100 and 120 lines are equipped with a multiplier key "x" which enables you to double the number of lines, thus making it possible to insert two users separately for each key. To communicate with an interphone from the switchboard during Daytime operation:

- lift the interphone;
- on the multiplier key select the LED (yellow "x" or red "=" according to the interphone that you want to call);
- press the line selector key: the corresponding LED thus illuminates with the same colour as that of the multiplier key.

During Night service, a call sent from the entrance panel activates only the ringtone of the night service interphone type 149A. If you need to activate calls from the entrance panel both during the day and at night, use a call repeater type 2/841 or the ringtone type 860A, connected as shown in the variations of the standard diagram.

During "Daytime" operation, the night interphone operates as a normal interphone, on which the line selector key is "CN".

If one or more line selector keys remain activated and the interphones of the switchboard and the night interphone are in the rest state, the internal electronic ringtone of the switchboard will activate (with the GN key set to G). With the GN key set to N, the night interphone ringtone will sound intermittently, until the pressed keys are deactivated.

CONNECTION INSTRUCTIONS (diagram cc3049-2)

Three types of switchboard connection are possible:

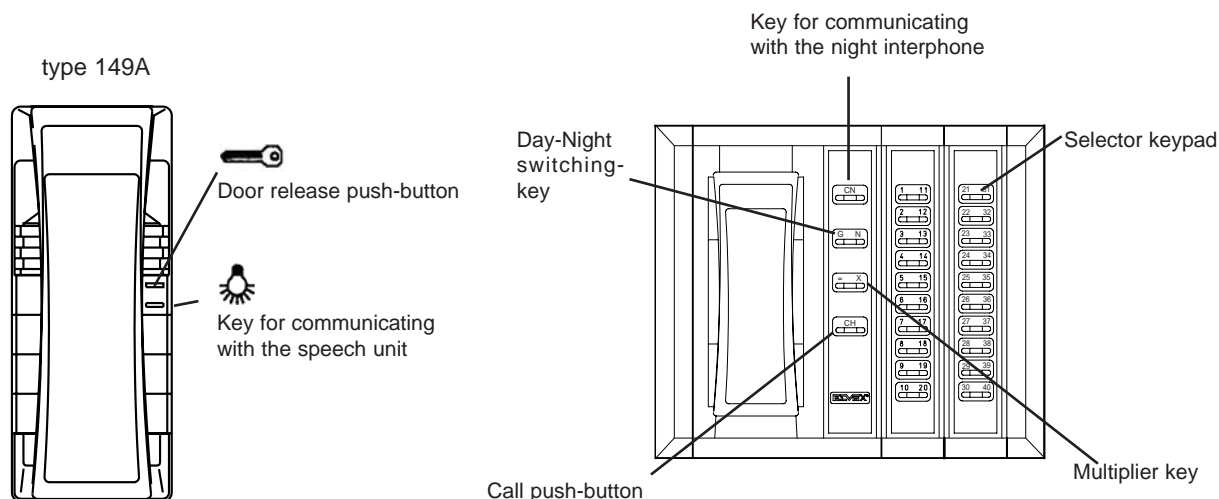
- 1) Connection of the interphones only.
Connection line: one common wire and one wire for each interphone. None of the other connections must be made.
- 2) Connection of the interphones and the night interphone.
Connection line: make the connections shown in the diagram except for those shown with broken lines.
- 3) Connection of the interphones, the night interphone and the speech unit.

Connection line: make all the connections shown in the diagram.

Important: the diodes supplied with the switchboard are used only in the case of connection with an AC call system.

INSTALLING THE SWITCHBOARD

The switchboard can be flush desk-mounted, desk-top mounted or flush wall-mounted. For surface wall-mounted, follow the instructions below: open the housing and unscrew the screws fixing the two metal side supports. Pull them out of their seat and invert their position. In this way the front panel of the switchboard slopes like a reading-desk, allowing the interphone to rest naturally.



PORTER SWITCHBOARD type 162A 162B ... 162I WITH INTERPHONE FOR NIGHT SERVICE, ENTRANCE PANEL AND TELEPHONE LINE



SYSTEM DESCRIPTION

The 162 series switchboard for hotel or porter use can send and receive calls from any user, switch calls from the interphones to the night service interphone, communicate from the night service interphone to the speech unit, connect an interphone to a telephone line and bring 2 interphones into communication with each other.



OPERATION FOR SWITCHBOARD TYPE 162A, 162B, ..., 162I

During "Daytime" operation (GN key set to G) private conversation is possible between the switchboard and the interphones.

To communicate from the switchboard to the interphones, lift the interphone of the switchboard, activate the line selector key and press the CH button. To make calls from the interphones to the switchboard, simply lift the interphone of the interphone; the switchboard will signal the call by lighting up the relevant LED on the interphone and activating the internal electronic ringtone. When the interphone is lifted, the ringtone switches off. To enter into communication with the interphone, simply activate the relevant line selector key and speak.

At the end of the conversation, deactivate the line selector key and replace the interphones.

For "Night" operation (GN key set to N), the switchboard interphone has to be hung up and all the line selector keys must be deactivated. In this operating state, all calls from the interphones are diverted to the night interphone, which is able to communicate with the interphones without conversation privacy. On receipt of a call from the entrance panel, the night interphone can communicate with the speech unit by holding the

push-button  down. To open the door lock from the night interphone, simply press the push-button .

During Night Service, a call sent from the entrance panel activates only the ringtone of the night service interphone type 149A. (diagram cc3944), or the Sound System call repeater type 2/841 (diagram cc3940). For Sound System without call repeater, only the 149A sounds in night service.

If you need to activate calls from the entrance panel both during the day and at night, use a call repeater type 2/841 or ringtone type 860A, connected as shown in the variations of the standard diagram. During "Daytime" operation, the night interphone operates as a normal interphone, on which the line selector key is "CN".

The switchboard is equipped with the "==" key to bring two interphones into communication with each other or one interphone into communication with the telephone line connected between the terminals LL. These services are activated only during daytime operation (GN key set to G).

- To bring two interphones into communication with each other, call the two interphones and then simply leave the two line selector keys corresponding to the 2 interphones ON, press the "==" key and replace the switchboard interphone. In this way, the switchboard is excluded from the conversation but can reply to calls from other interphones. The end of the conversation is indicated by the lighting up of the two line selector keys and intermittent activation of the internal ringtone of the switchboard. It is important in this phase that the switchboard interphone is in the rest position. Then deactivate the two selector keys and the "==" key.
- If, during the intercommunicating conversation between the two interphones, the switchboard receives a call from a third interphone, the switchboard operator can answer the call simply by lifting the interphone without activating the line key. If the intercommunicating conversation between the two interphones ends before the conversation between the switchboard and the third interphone, the latter will be interrupted without any alert signal. To restore communication, deactivate the "==" key, deactivate the line selector keys of the two interphones and activate the selector key for the third interphone.
- To use the switchboard with a telephone line it is necessary to use type 149/162. This device is a telephone switching module with which it is possible to switch the telephone line between switchboard and telephone. By means of switching module 149/162 and the intercommunicating function, the switchboard operator can bring the interphones into communication with the telephone line and vice versa. The switching module has two positions: telephone line switched to telephone (red key pressed), telephone line switched to switchboard (black key pressed).
- Calls originating from the telephone line can be received on the telephone connected to 149/162 (with the red key pressed). To bring an interphone into communication with the telephone line, activate the line selector key of the interphone you want, press the "CH" key, wait for the reply, press the "==" key, replace the switchboard interphone and press the black key on switching module 149/162. In this way, the switchboard is excluded from the conversation but can reply to calls from other interphones. The end of the conversation is indicated by the lighting up of the line selector key for the interphone and intermittent activation of the internal ringtone of the switchboard; it is important in this phase that the switchboard interphone is in the rest position. Deactivate the line key and the "==" key, and press the red key on type 149/162.
- If, during conversation between an interphone and the telephone line, the switchboard receives a call from another interphone, operation is the same as for an intercommunicating conversation between two interphones.

N.B. Note that the "==" key must not be pressed down and the LEDs must be OFF, so that the switchboard can communicate with the interphones with conversation privacy. If one or more line selector keys remains ON and the interphones of the switchboard and the night interphone are in the rest position, the internal electronic ringtone of the switchboard will sound (with GN key set to G). With the GN key set to N, the ringtone of the night interphone will sound intermittently, until the pressed keys are released.

CONNECTION INSTRUCTIONS (diagram cc3049-2)

Three types of switchboard connection are possible:

- 1) Connection of the interphones only.
Connection line: one common wire and one wire for each interphone. None of the other connections must be made.
- 2) Connection of the interphones and the night interphone
Connection line: make the connections shown in the diagram except for those shown with broken lines.
- 3) Connection of the interphones, the night interphone and the speech unit.
Connection line: make all the connections shown in the diagram.

INSTALLING THE SWITCHBOARD

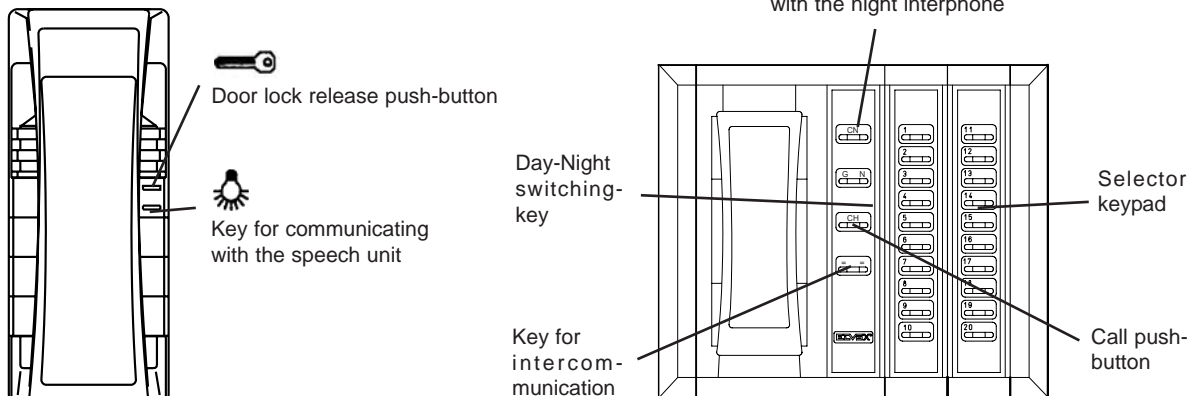
The switchboard can be flush desk-mounted, desk-top mounted or flush wall-mounted. For surface wall-mounted, follow the instructions below: open the housing and unscrew the screws fixing the two metal side supports. Pull them out of their seat and invert their position. In this way, the front panel of the switchboard slopes like a reading-desk, allowing the interphone to rest naturally.

Important: the diodes supplied with the switchboard are used only in the case of connection with an AC call system.

INSTALLING THE TELEPHONE SWITCHING MODULE

In order to be able to connect the switchboard to the urban telephone line, it is necessary to use type 149/162 supplied separately from the switchboard. For connection procedures, refer to the diagrams.

type 149A



**SYSTEM WITH 142 AND 162 SERIES PORTER SWITCHBOARD WITH INTERPHONE
FOR NIGHT SERVICE, ENTRANCE PANEL AND TELEPHONE LINE**

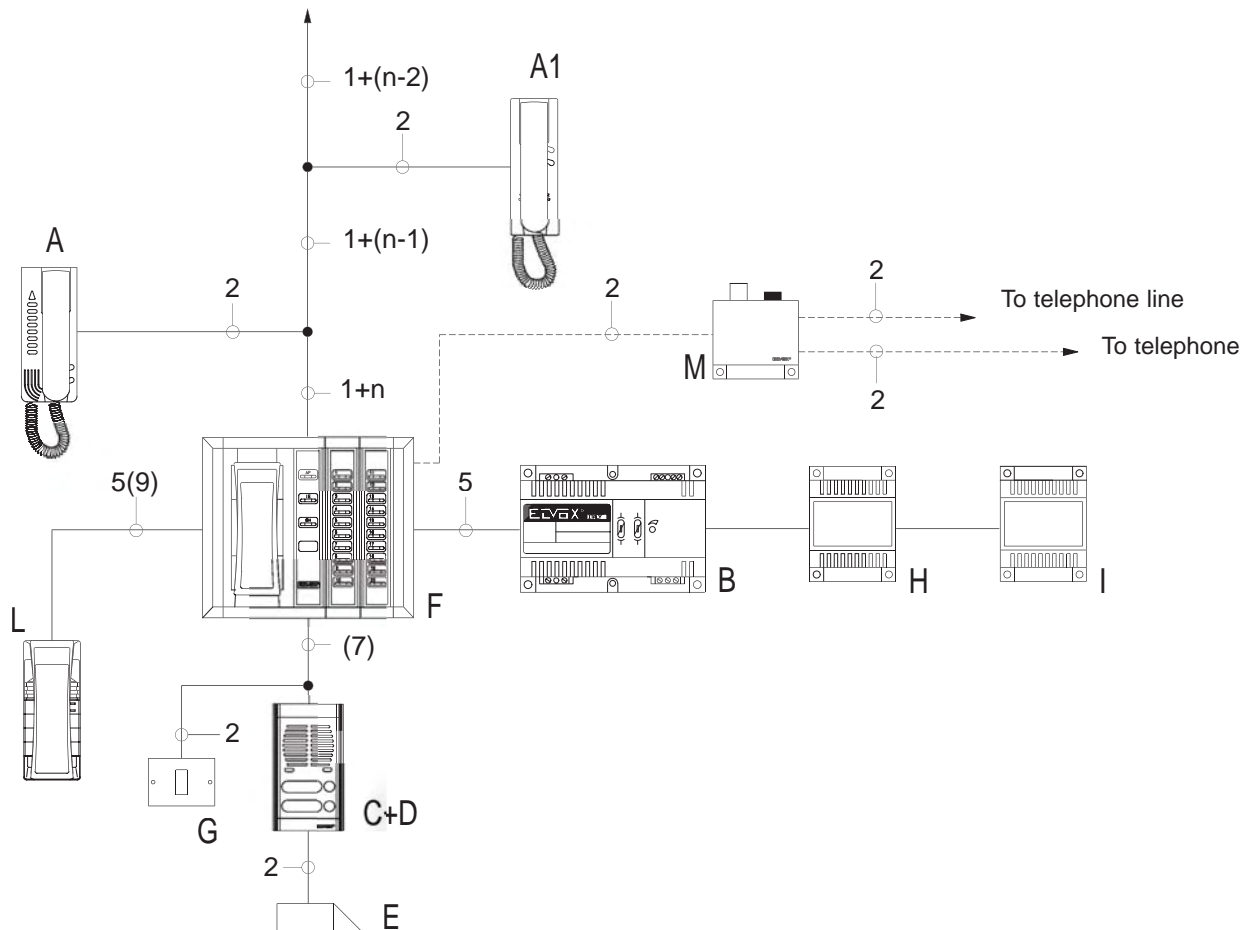


LIST OF SYSTEM COMPONENTS (Diagram ref. CC3940-2)

Diagram

ref.	type	Denomination	Quantity
A	6201	Interphone	n
A1	8877	Interphone	n
B	836	power supply	1
C	GALILEO SECURITY GALILEO or PATAVIUM series	Entrance panel	1
D	930 or 930A	speech unit	1
E	-	Electric lock 12V AC	1
F	142A - 142B ... 142I or (162A - 162B ... 162I)	Porter switchboard	1
G	-	Additional door lock push-button	1
H	2/831	Call generator	1
I	832/030	Power supply transformer	1
L	149A	Night service interphone	1
M	149/162 (Only with 162 series switchboards)	Telephone switching module	1
n	-	Number of users	n

Connection diagram N. cc3940-2 can be used both for 142 series and 162 series switchboards.
The latter are connected differently only if the external telephone line is used. For use, see the instructions on the previous pages.



In the event of a short circuit, the protection devices (PTC) switch off the mains voltage. Once the short circuit has been eliminated, wait for a few minutes to allow the protection device to cool down so that the unit can return to normal operation.

N. B. The system can be completed by adding other services. To do this, consult the variations on the standard connection relating to the various components of the system, on pages 80 to 86.

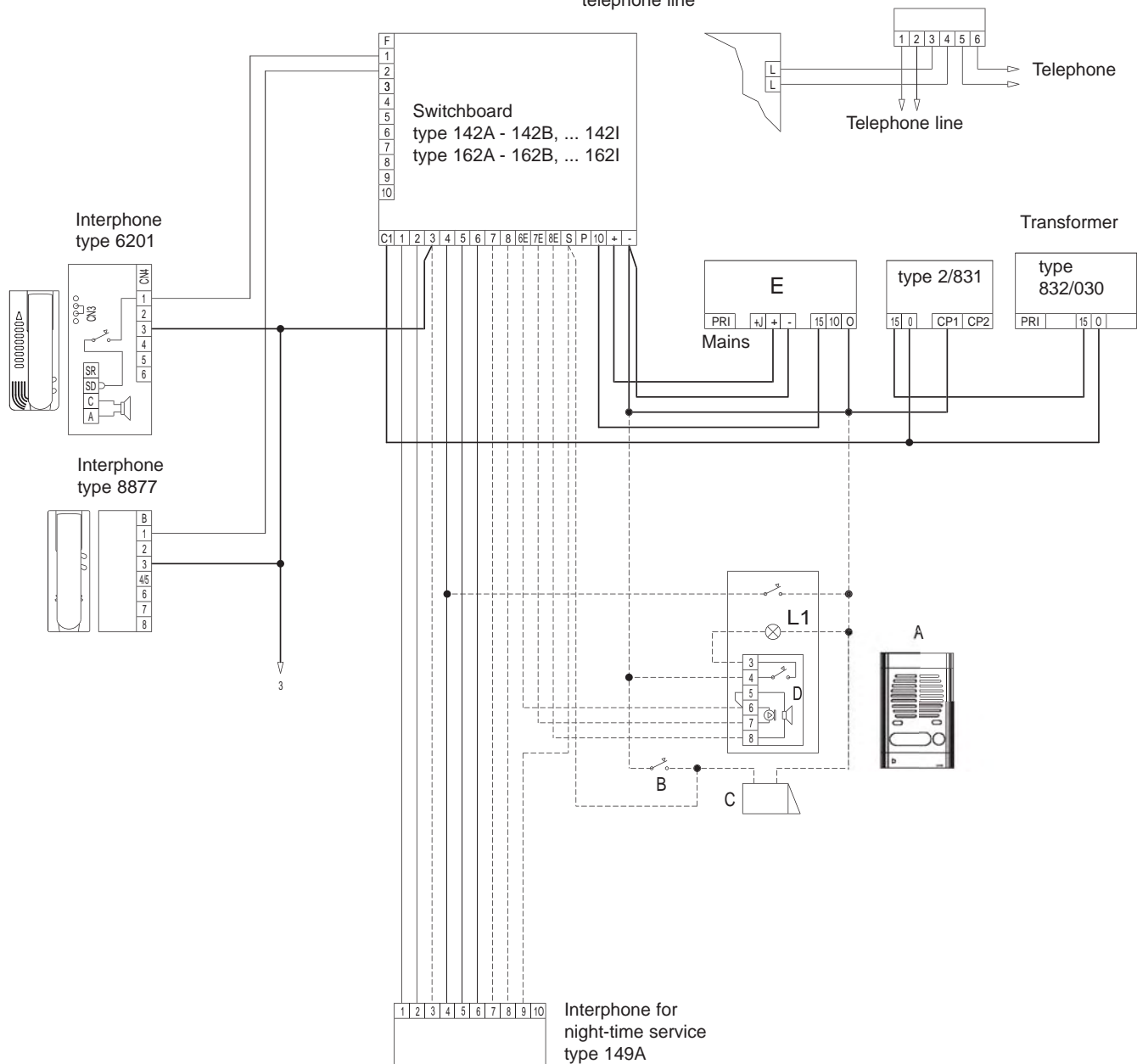
BLOCK DIAGRAM N° sb1262

SYSTEM WITH 142 AND 162 SERIES PORTER SWITCHBOARD WITH INTERPHONE FOR NIGHT SERVICE, ENTRANCE PANEL AND TELEPHONE LINE



Version with switchboard type 162A - 162B, ... 162I for activation of the telephone line

Telephone switching module type 149/162



Section of conductors

Conductors	Ø up to 50m	Ø up to 100m	Ø up to 200m
Common and lock	0,5 mm ²	0,75 mm ²	1,5 mm ²
Others	0,25 mm ²	0,5 mm ²	1 mm ²

- A- Entrance panel with speech unit
- B- Additional door lock button
- C- 12V~ electric lock
- D- Speech unit type 930 - 930A
- E- Power supply type 836

DIAGRAM N° cc3940-2

SYSTEM WITH 142 AND 162 SERIES PORTER SWITCHBOARD WITH INTERPHONE FOR NIGHT SERVICE, ENTRANCE PANEL, TELEPHONE LINE AND 2 SPEECH UNITS

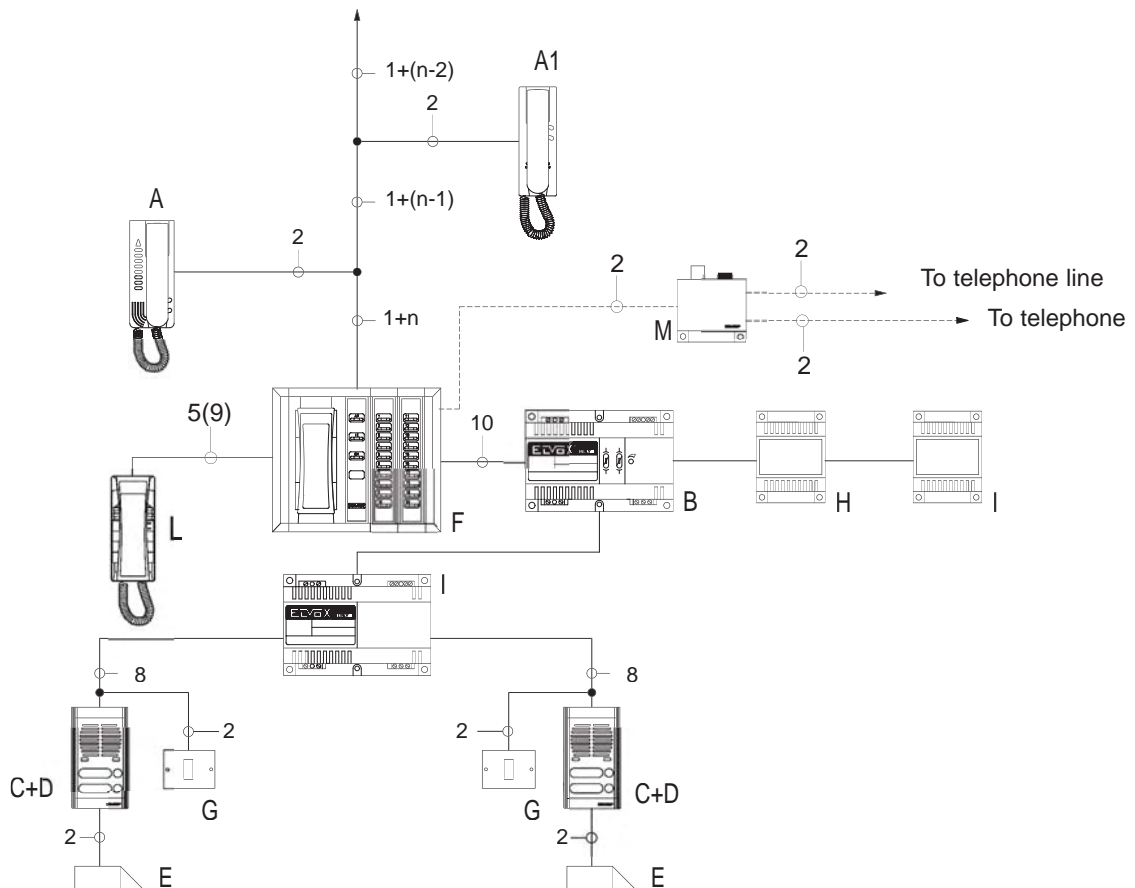


LIST OF SYSTEM COMPONENTS (Diagram ref. CC3941)

Diagram

ref.	type	Denomination	Quantity
A	6201	Interphone	n
A1	8877	Interphone	n
B	836	Power supply	1
C	GALILEO SECURITY		
	GALILEO or PATAVIUM series	Entrance panel	1
D	930 or 930A	Speech unit	2
E	-	Electric lock 12V AC	1
F	142A - 142B ... 142I or (162A - 162B ... 162I)	Porter switchboard	1
G	-	Additional door lock push-button	1
H	2/831	Call generator	1
I	832/030	Power supply transformer	1
L	149A	Night service interphone	1
M	149/162 (Only with 162 series switchboards)	Telephone switching module	1
N	839/302	Switching module	1
n	-	Number of users	n

Wiring diagram N. cc3941 can be used both for 142 series and 162 series switchboards. The latter are connected differently only if the external telephone line is used. For use, see the instructions on the previous pages.

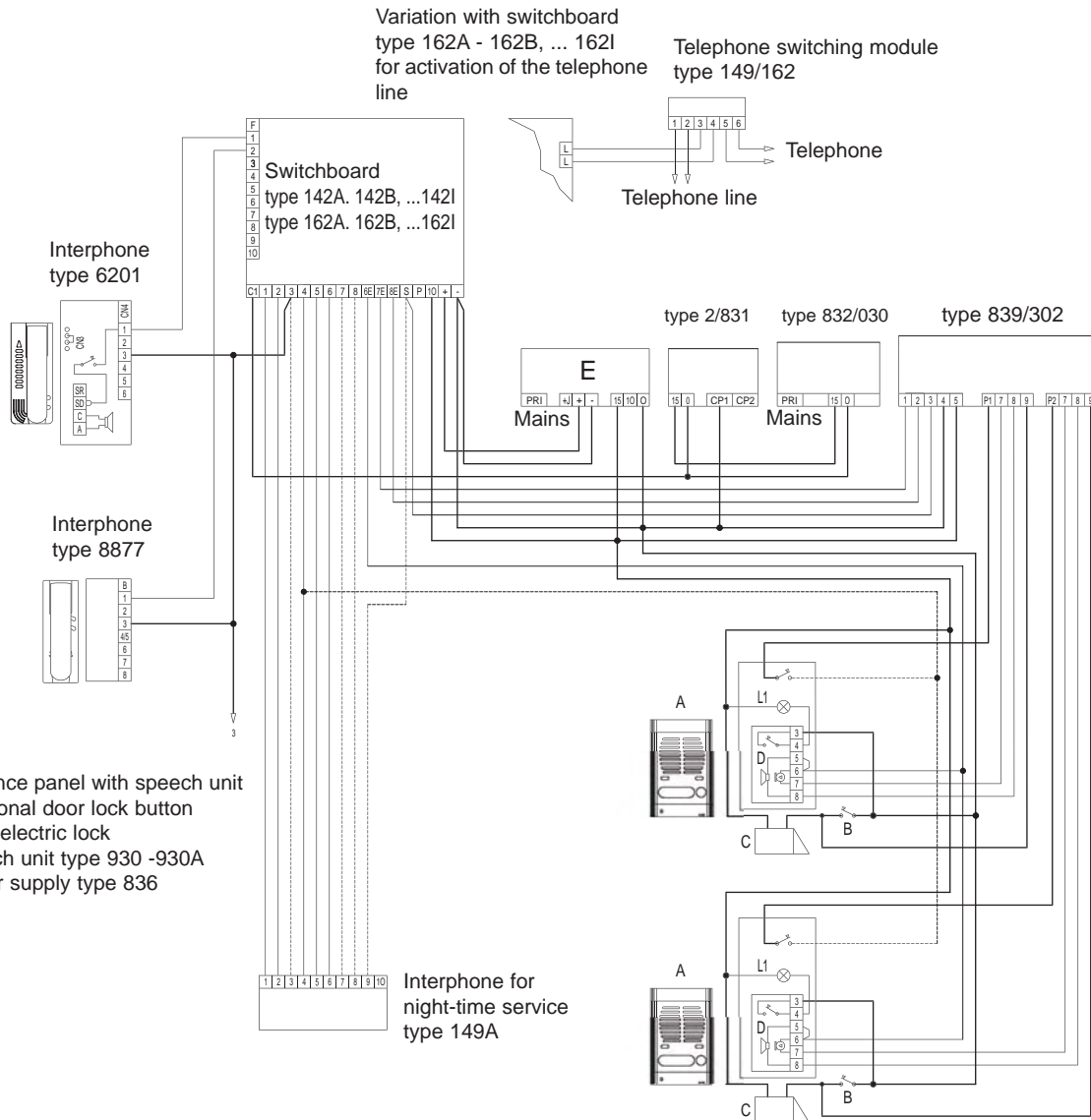


In the event of a short circuit, the protection devices (PTC) switch off the mains voltage. Once the short circuit has been eliminated, wait for a few minutes to allow the protection device to cool down so that the unit can return to normal operation.

N. B. The system can be completed by adding other services. To do this, consult the variations on the standard connection relating to the various components of the system, on pages 80 to 86.

BLOCK DIAGRAM N° sb1261

SYSTEM WITH 142 AND 162 SERIES PORTER SWITCHBOARD WITH INTERPHONE FOR NIGHT SERVICE, ENTRANCE PANEL, TELEPHONE LINE AND 2 SPEECH UNITS



WIRING DIAGRAM N° cc3941

Variation A - Diagram for the connection of additional ringtunes

During Night service, calls from the entrance panel activate only the ringtone of the interphone for night service type 149A. If you need to activate calls from the entrance panel both with Daytime service and with Night service, use a call repeater type 2/841, or ringtone type 860A, or a repeater relay type 170/101 which activates a mechanical doorbell supplied by the mains. These call indication systems must be connected as shown in this version.

