

# 5-WIRE ELECTRONIC VIDEO DOOR PHONE SYSTEMS

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## CONNECTION OF 2 VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT

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### FUNCTION

The system can be used to connect the video door unit to various video door phones fitted in apartments.

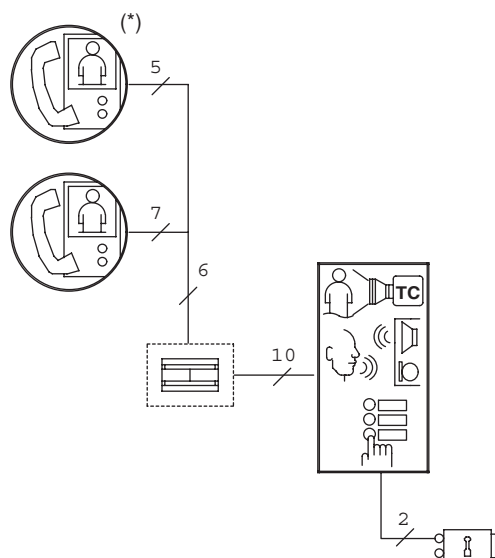
When a visitor presses a button on the panel, a two-tone electronic call signal is sent to the corresponding video door phone speaker and the image appears on the screen a few seconds later.

At this point, the user can see the visitor and reply by picking up the handset.

All video door phones are normally deactivated (no sound is heard when the handset is picked up); only the video door phone called from the door can start the conversation. No other users can cut into the call.

The voice circuit of the called video door phone remains activate until the following call is made from the panel to another device.

The door opening function is connected to conversation privacy; this means that a user must be called to be able to open the electrical lock.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3147B:

#### "5-WIRE" VIDEO DOOR PHONE KIT DIAGRAMS

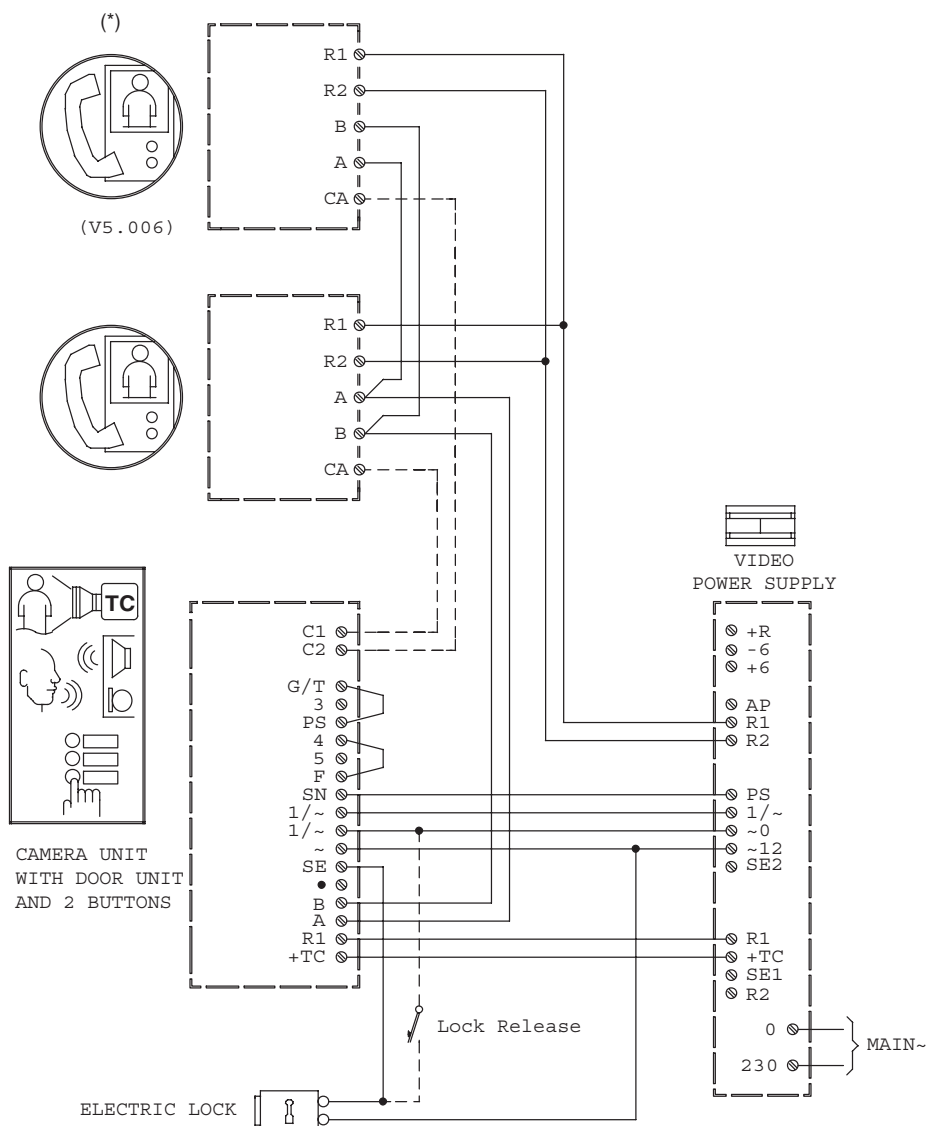
- N. 1 One-family kit (1 button)  
with Atlantico video door phone **Ref. 1702/601**  
consisting of:
- Sinthesi camera with integrated door unit and 1 calling button Ref. 1745/21
  - 1 Atlantico video door phone Ref. 1702/1 with bracket Ref. 1202/955
  - Flush-mounting box for 2 modules Ref. 1145/52
  - Module holder with frame for 2 modules Ref. 1145/62
  - Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B
- or
- N. 1 One-family kit (1 button)  
with Artico video door phone **Ref. 1705/601**  
consisting of:
- Sinthesi camera with integrated door unit and 1 calling button Ref. 1745/21
  - 1 Artico video door phone Ref. 1705/1 with bracket Ref. 1705/955
  - Flush-mounting box for 2 modules Ref. 1145/52
  - Module holder with frame for 2 modules Ref. 1145/62
  - Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B
- or
- N. 1 Two-family kit (2 buttons)  
with Atlantico video door phone **Ref. 1702/602**  
consisting of:
- Sinthesi camera with integrated door unit and 2 calling buttons Ref. 1745/22
  - 2 Atlantico video door phones Ref. 1702/1 with bracket Ref. 1202/955
  - Flush-mounting box for 2 modules Ref. 1145/52
  - Module holder with frame for 2 modules Ref. 1145/62
  - Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B
- or
- N. 1 Two-family kit (2 buttons)  
with Artico video door phone **Ref. 1705/602**  
consisting of:
- Sinthesi camera with integrated door unit and 2 calling buttons Ref. 1745/22
  - 2 Artico video door phones Ref. 1705/1 with bracket Ref. 1705/955
  - Flush-mounting box for 2 modules Ref. 1145/52
  - Module holder with frame for 2 modules Ref. 1145/62
  - Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B

### DIAGRAM NOTES

(see section 1)

**V5.001**  
**V5.006**

(\*) For two-family kits only





## CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO DOOR UNIT

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DOMUS

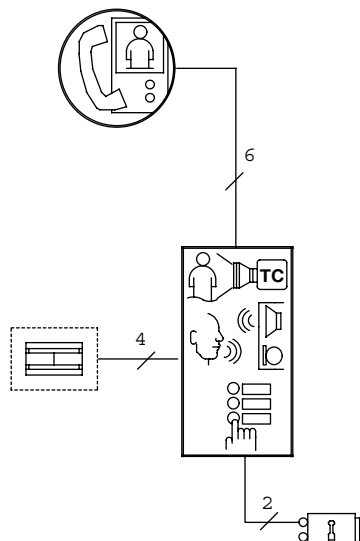
### FUNCTION

The system can be used to connect the video door unit to the video door phone fitted in the apartment.

When a visitor presses a button on the panel, a two-tone electronic call signal is sent to the corresponding video door phone speaker and the image appears on the screen a few seconds later.

At this point, the user can see the visitor and reply by picking up the handset.

The door opening function is connected to conversation privacy; this means that a user must be called to be able to open the electrical lock.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2082C:

### VIDEO DOOR PHONE REFERENCES

- N. 1 One-family kit  
(1 button)  
consisting of:
- Smyle panel with camera and 1 button with built-in door unit.
  - 1 Artico video door phone with bracket
  - Power unit 110-230Vac 38VA, 7 DIN modules



Ref. 956/31

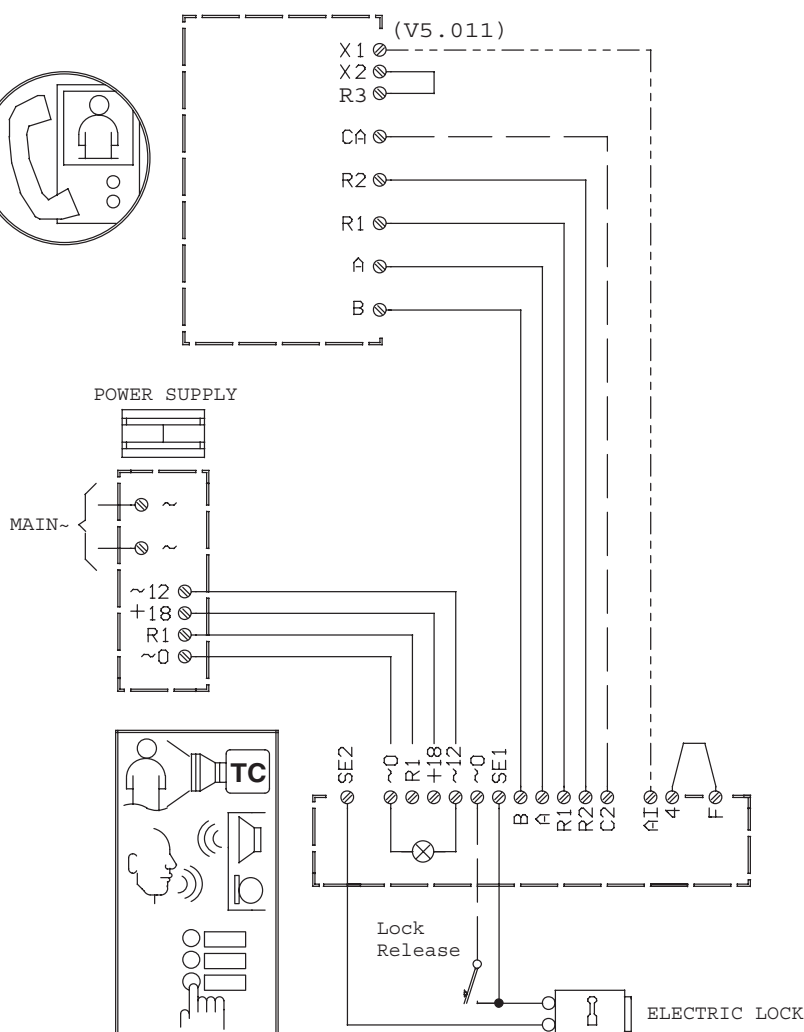
### DIAGRAM NOTES

(see section 1)

V5.007

V5.011

SV102-2082C



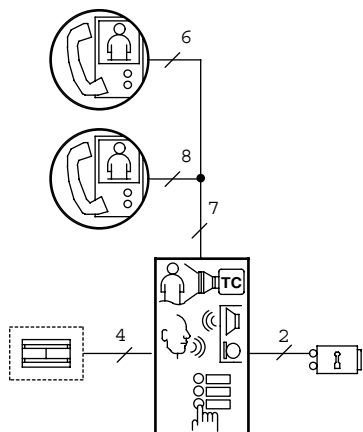
## FUNCTION

The system can be used to connect the video door unit to the video door phone fitted in the apartment.

When a visitor presses a button on the panel, a two-tone electronic call signal is sent to the corresponding video door phone speaker and the image appears on the screen a few seconds later.

At this point, the user can see the visitor and reply by picking up the handset.

The door opening function is connected to conversation privacy; this means that a user must be called to be able to open the electrical lock.



## EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2081B:

### VIDEO DOOR PHONE KIT DIAGRAMS

- N. 1 Two-family kit (2 buttons) consisting of:
- Smyle panel with camera and 2 buttons with built-in door unit.
  - 2 Artico video door phones with bracket
  - Power unit 110-230Vac 38VA, 7 DIN modules



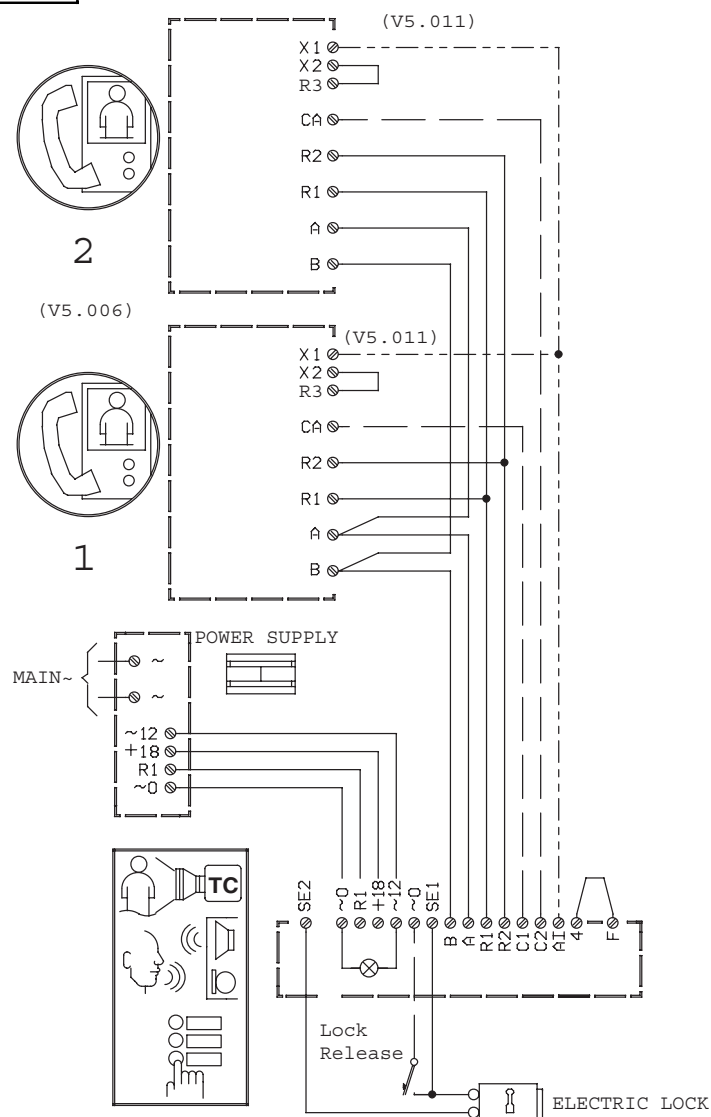
Ref. 956/32

## DIAGRAM NOTES

(see section 1)

V5.007

V5.011



SV102-2081B



## CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION

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### FUNCTION

The 5-wire video door phone system implements conversation privacy, call and door opener functions in normal door phone systems with only 5 wires in the riser column: 4 commons + 1 single for each device.

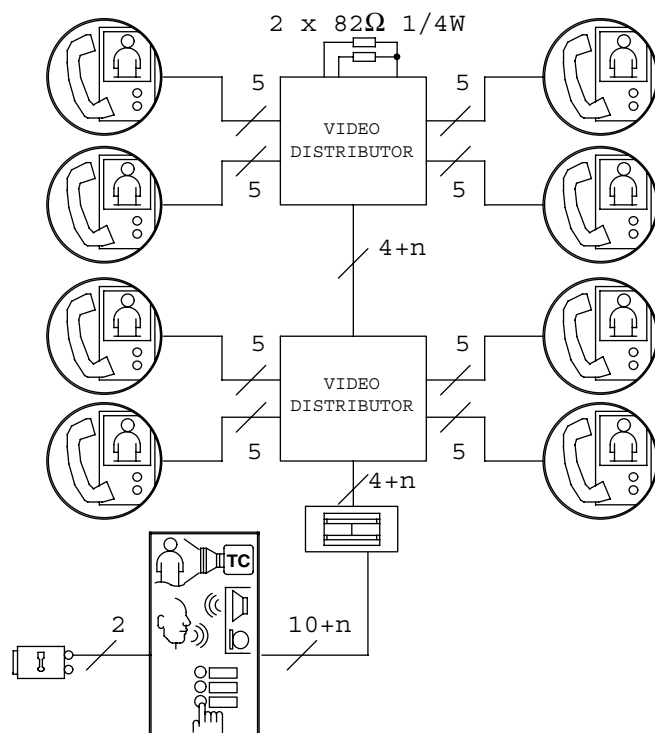
The door unit is powered with only two wires and a transformer at 12V~.

The most interesting application of a 5-wire system is in old buildings where a door phone system is already fitted. The existing system can be transformed into a video door phone system without adding wires to the column or in the apartments.

Specific conversation privacy circuits must be fitted in the panel for ensuring conversation privacy for all video door phones in the system (one for each button). All video door phones are normally deactivated (no sound is heard when the handset is picked up); only the video door phone called from the door can start the conversation. No other users can cut into the call.

The voice circuit of the called video door phone remains activate until the following call is made from the panel to another device.

The door opening function is connected to conversation privacy; this means that a user must be called to be able to open the electrical lock.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2633H:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

N. X Video door phone  
N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES



##### Sinthesi model

N. 1 Module with camera and door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1745/20-/21-/22  
Ref. 1145/11-/12-/13-/14  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

N. 1 Module camera  
N. 1 Module with door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1755/30A  
Ref. 1155/30-/31-/32A  
Ref. 1155/11-/12A-/13A-/14A  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### 725 model

N. 1 Panel with N buttons  
N. 1 Amplified door unit  
N. 1 Camera  
N. 1 Video adapter  
N. 1 Front plate  
N. X/4 Conversation privacy device

Mod. 725  
Ref. 1035/67  
Ref. 725/600  
Ref. 1742/13A  
Ref. 725/601-/602  
Ref. 1035/25

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Panels with anodized aluminium front plate Mod. 725" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

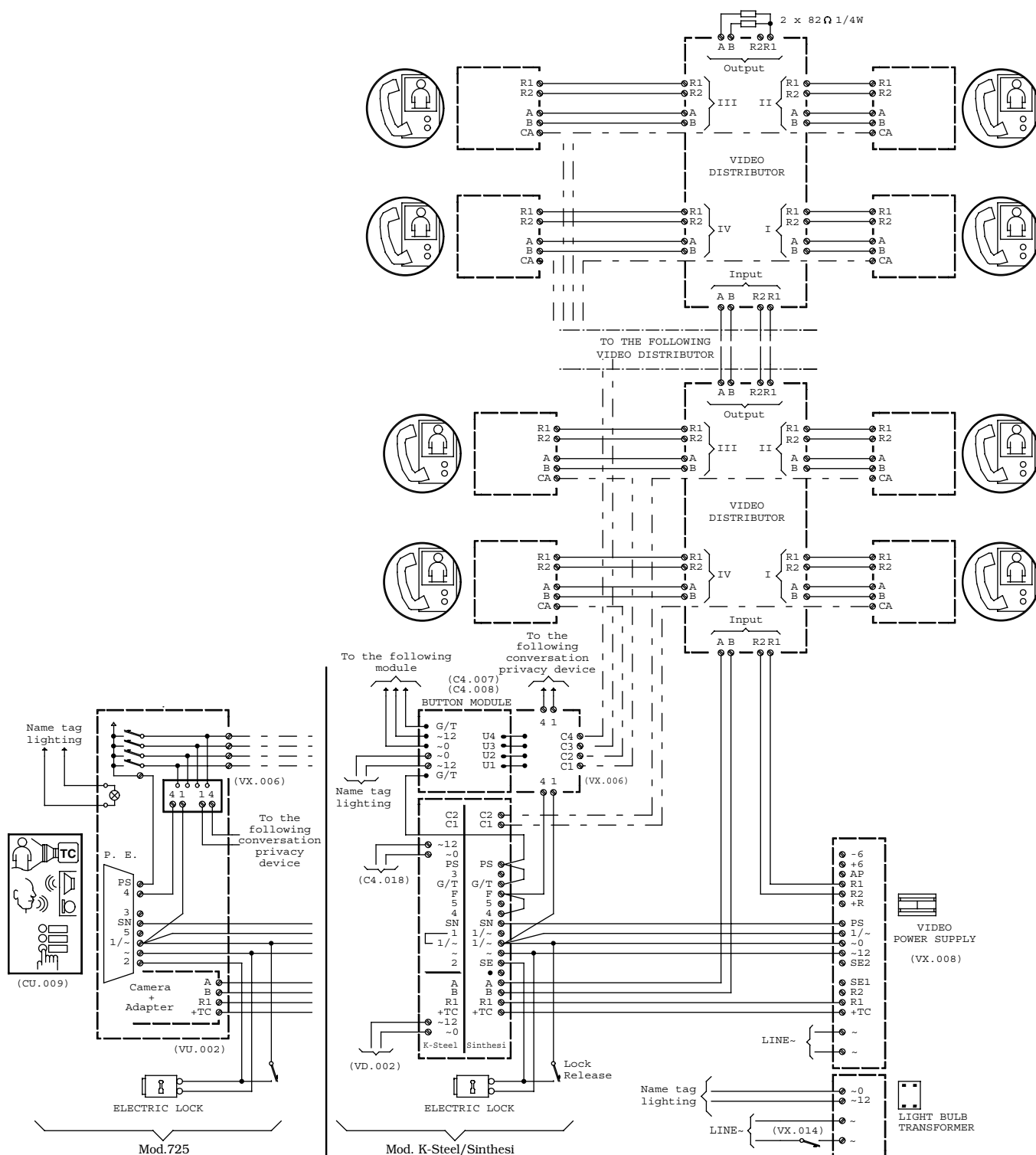
N. 1 Video power supply  
N. 1 Video distributor

Ref. 789/5B  
Ref. 955/40

#### DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.018 CU.009 VD.002  
V5.001 VU.002 VX.006 VX.008 VX.014





## CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 2 VIDEO OUTDOOR STATION

### Automatic switching during calls (Mod. Sinthesi or Mod. K-Steel)

**urmet**  
DOMUS

### FUNCTION

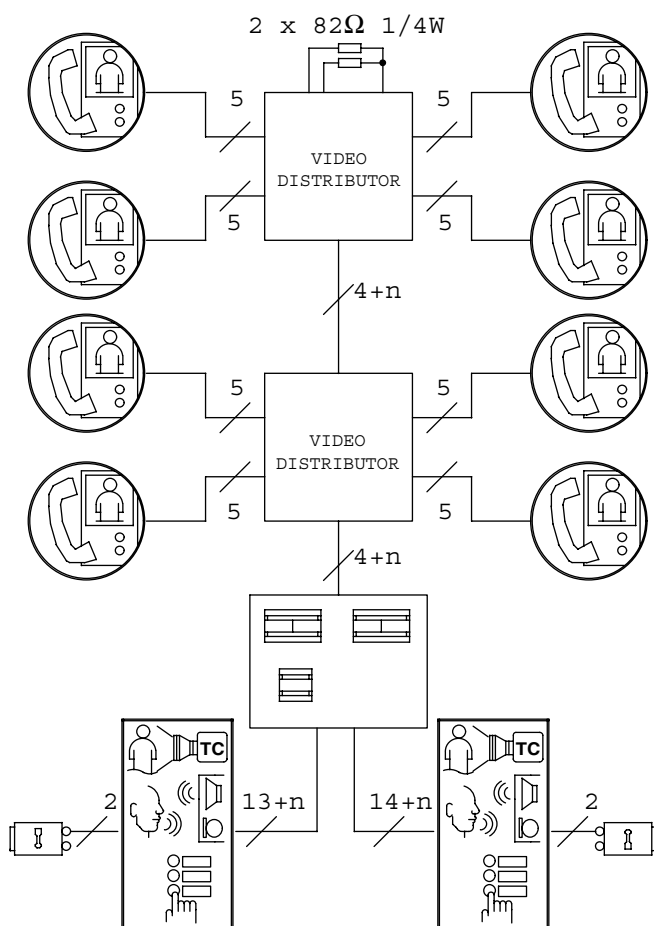
This system allows the connection of a column of video door phones to 2 video outdoor stations with automatic switching.

When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding video door phone loudspeaker and the image appears on the screen after about 8 seconds.

During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service.

At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key

If, during a conversation, a call is made from the other push button panel towards another video door phone, the first will automatically switch off and the last video door phone called will be activated. It is not possible therefore to communicate with the 2 video outdoor stations at the same time in that they operate alternatively and are mutually exclusive.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2902G:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

N. X Video door phone  
N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES

##### Sinthesi model

N. 2 Module with camera and door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1745/20-/21-/22  
Ref. 1145/11-/12-/13-/14  
Ref. 1145/74



The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

N. 2 Module camera  
N. 2 Module with door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1755/30A  
Ref. 1155/30-/31-/32A  
Ref. 1155/11-/12A-/13A-/14A  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. 1 Video power supply  
N. 1 Transformer  
N. 1 Relay box  
N. X Video distributor

Ref. 789/5B  
Ref. 9000/230  
Ref. 788/51  
Ref. 955/40

### DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.016 C4.018 CU.009 V5.001  
VD.002 VX.006 VX.008 VX.014

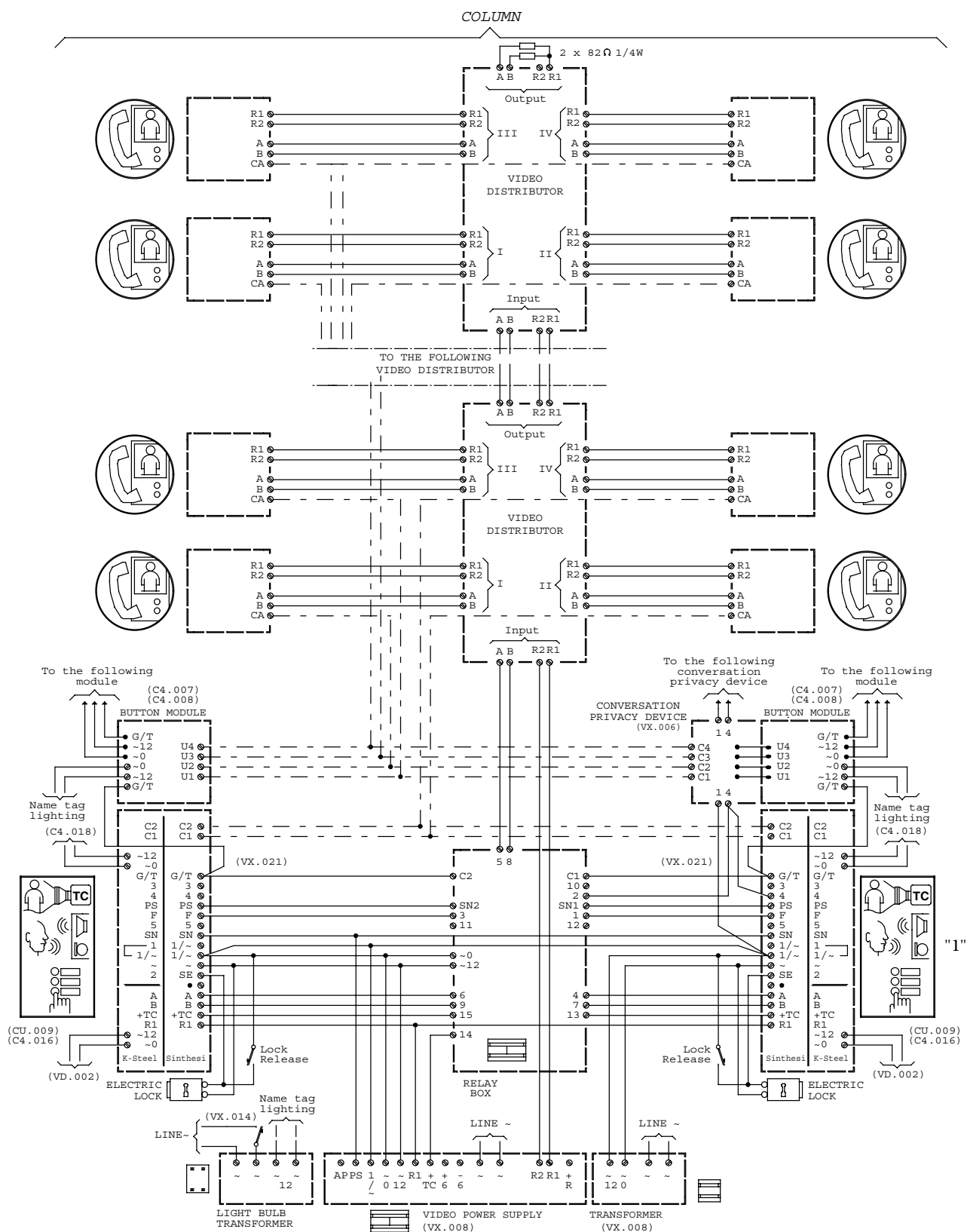
#### VX.021

Cut or remove the jumpers on the device(s):

- PS - G/T
- 4 - F



SV102-2902G



**5**  
**wires**

## CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 2 VIDEO OUTDOOR STATION

### Automatic switching during calls (Mod. 725)

**urmet**  
DOMUS

### FUNCTION

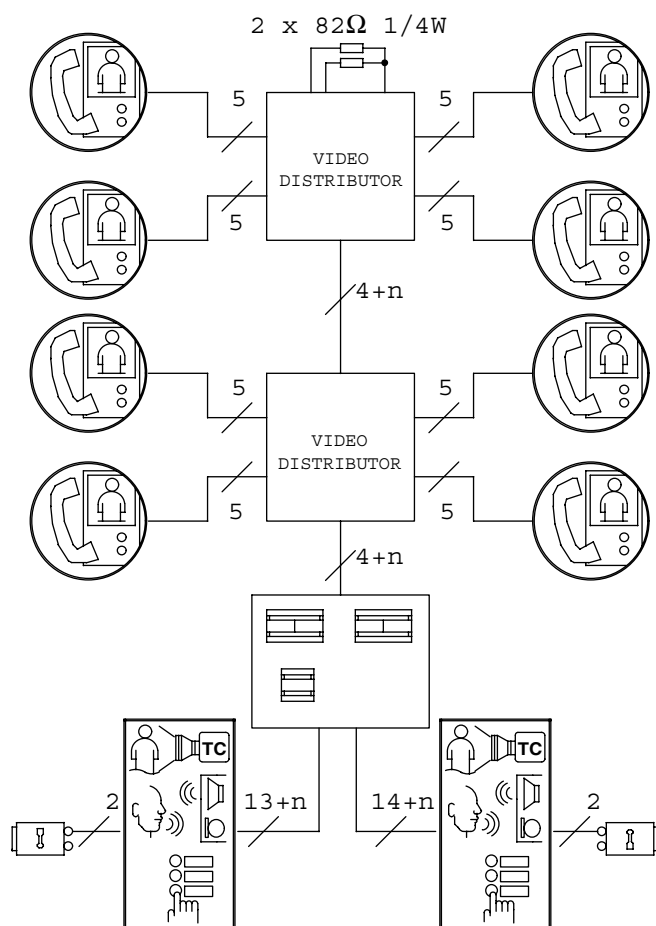
This system allows the connection of a column of video door phones to 2 video outdoor stations with automatic switching.

When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding video door phone loudspeaker and the image appears on the screen after about 8 seconds.

During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service.

At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key .

If, during a conversation, a call is made from the other push button panel towards another video door phone, the first will automatically switch off and the last video door phone called will be activated. It is not possible therefore to communicate with the 2 video outdoor stations at the same time in that they operate alternatively and are mutually exclusive.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2913B:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

N. X Video door phone  
N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES

##### 725 model

N. 2 Panel with N buttons  
N. 2 Amplified door unit  
N. 2 Camera  
N. 2 Video adapter  
N. 2 Front plate  
N. X/4 Conversation privacy device

Mod. 725  
Ref. 1035/67  
Ref. 725/600  
Ref. 1742/13A  
Ref. 725/601-/602  
Ref. 1035/25



The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Panels with anodized aluminium front plate Mod. 725" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. 1 Video power supply  
N. 1 Transformer  
N. 1 Relay box  
N. X Video distributor

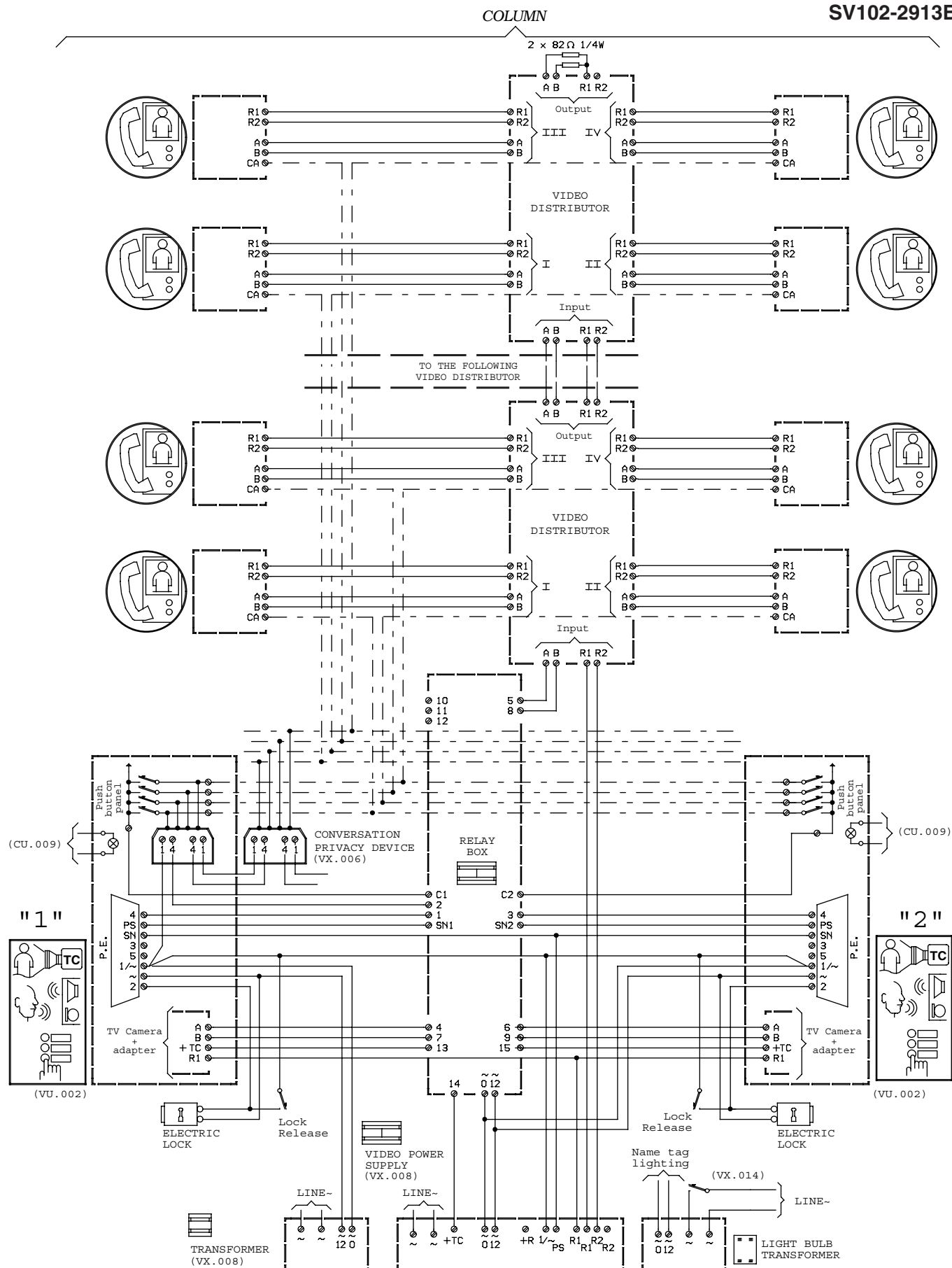
Ref. 789/5B  
Ref. 9000/230  
Ref. 788/51  
Ref. 955/40

### DIAGRAM NOTES

(see section 1)

CU.009 V5.001 VU.002 VX.006 VX.008 VX.014

SV102-2913B



**5**  
wires

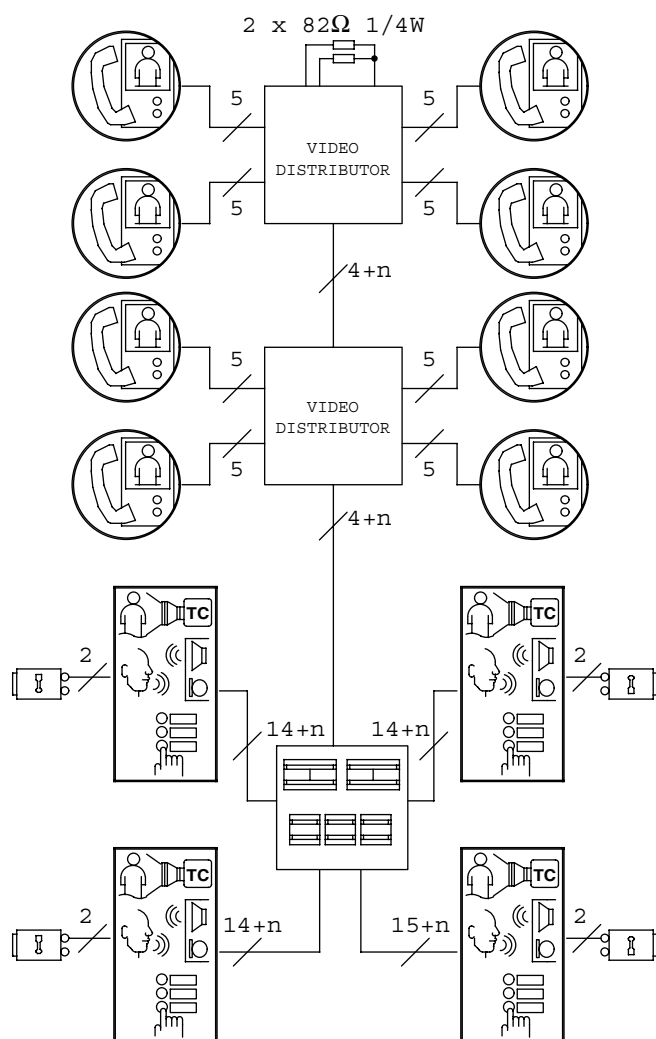
## CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 4 VIDEO OUTDOOR STATIONS

Automatic switching during calls (Mod. Sinthesi or Mod. K-Steel)

**urmet**  
DOMUS

### FUNCTION

This system allows the connection of a column of video door phones to 4 video outdoor stations with automatic switching. Therefore, it is suitable for a building with 4 entrances common to all apartments. When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding video door phone loudspeaker and the image appears on the screen after about 7 seconds. During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service. At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key . If, during a conversation, a call is made from the other push button panel towards another video door phone, the first will automatically switch off and the last video door phone called will be activated. In this system it is not possible to speak simultaneously from the four outdoor stations because they work one at a time in automatic switching.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3092D:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

N. X Video door phone  
N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES

##### Sinthesi model

N. 4 Module with camera and door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1745/20-/21-/22  
Ref. 1145/11-/12-/13-/14  
Ref. 1145/74



The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

N. 4 Module camera  
N. 4 Module with door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1755/30A  
Ref. 1155/30-/31-/32A  
Ref. 1155/11-/12A-/13A-/14A  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. 1 Video power supply  
N. 3 Transformer  
N. 1 Relay box  
N. X Video distributor

Ref. 789/5B  
Ref. 9000/230  
Ref. 788/54  
Ref. 955/40

#### DIAGRAM NOTES

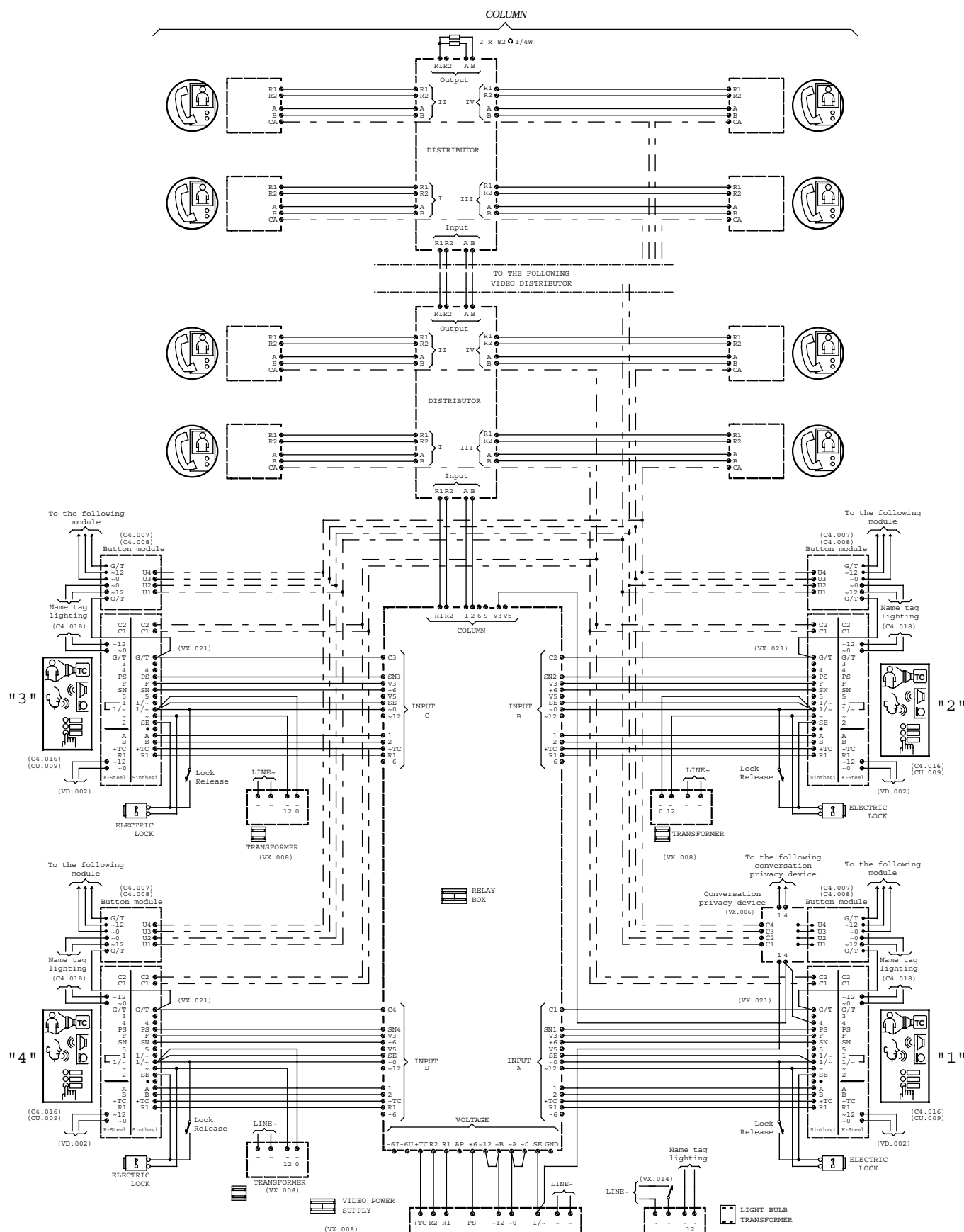
(see section 1)

C4.007 C4.008 C4.016 C4.018 CU.009 V5.001  
VD.002 VX.006 VX.008 VX.014

##### VX.021

Cut or remove the jumpers on the device(s):

- PS - G/T
- 4 - F



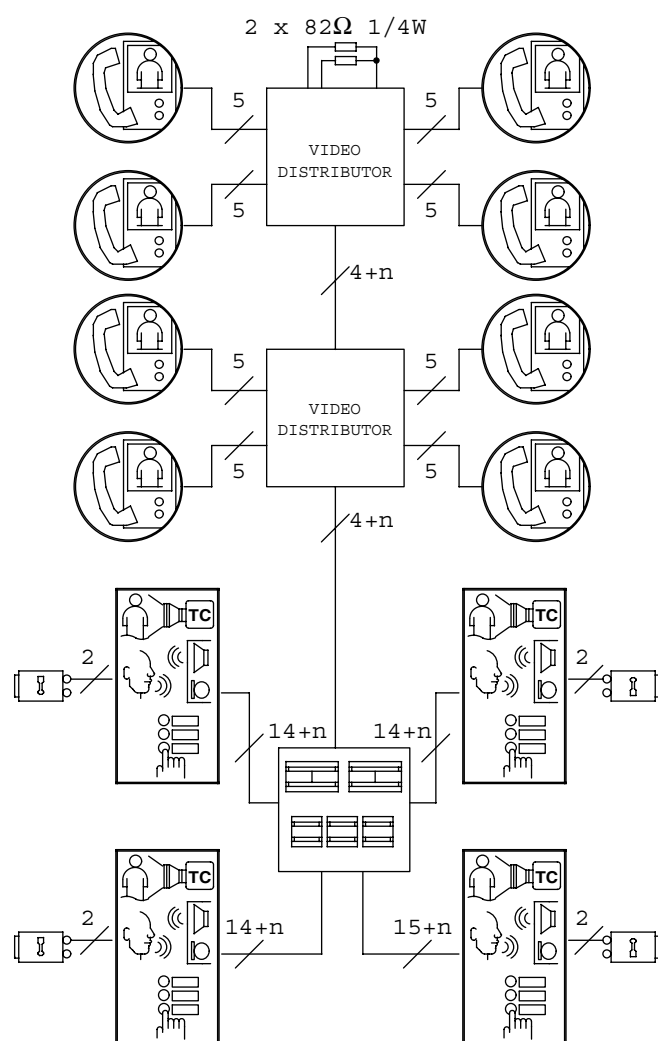
**5**  
**wires**

## CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 4 VIDEO OUTDOOR STATIONS Automatic switching during calls (Mod. 725)

**urmet**  
DOMUS

### FUNCTION

This system allows the connection of a column of video door phones to 4 video outdoor stations with automatic switching. Therefore, it is suitable for a building with 4 entrances common to all apartments. When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding video door phone loudspeaker and the image appears on the screen after about 7 seconds. During this phase, the relay box automatically inserts the relative loudspeaking unit and TV camera, excluding the other video outdoor station from the service. At this point, the user sees the visitor and may respond, if desired, lifting the handset. At the end of the call, only the electric lock of the entrance concerned is activated pressing the key . If, during a conversation, a call is made from the other push button panel towards another video door phone, the first will automatically switch off and the last video door phone called will be activated. In this system it is not possible to speak simultaneously from the four outdoor stations because they work one at a time in automatic switching.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2806F:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

N. X Video door phone  
N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES

##### 725 model

N. 4 Panel with N buttons  
N. 4 Amplified door unit  
N. 4 Camera  
N. 4 Video adapter  
N. 4 Front plate  
N. X/4 Conversation privacy device

Mod. 725  
Ref. 1035/67  
Ref. 725/600  
Ref. 1742/13A  
Ref. 725/601-/602  
Ref. 1035/25



The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Panels with anodized aluminium front plate Mod. 725" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. 1 Video power supply  
N. 3 Transformer  
N. 1 Relay box  
N. X Video distributor

Ref. 789/5B  
Ref. 9000/230  
Ref. 788/54  
Ref. 955/40

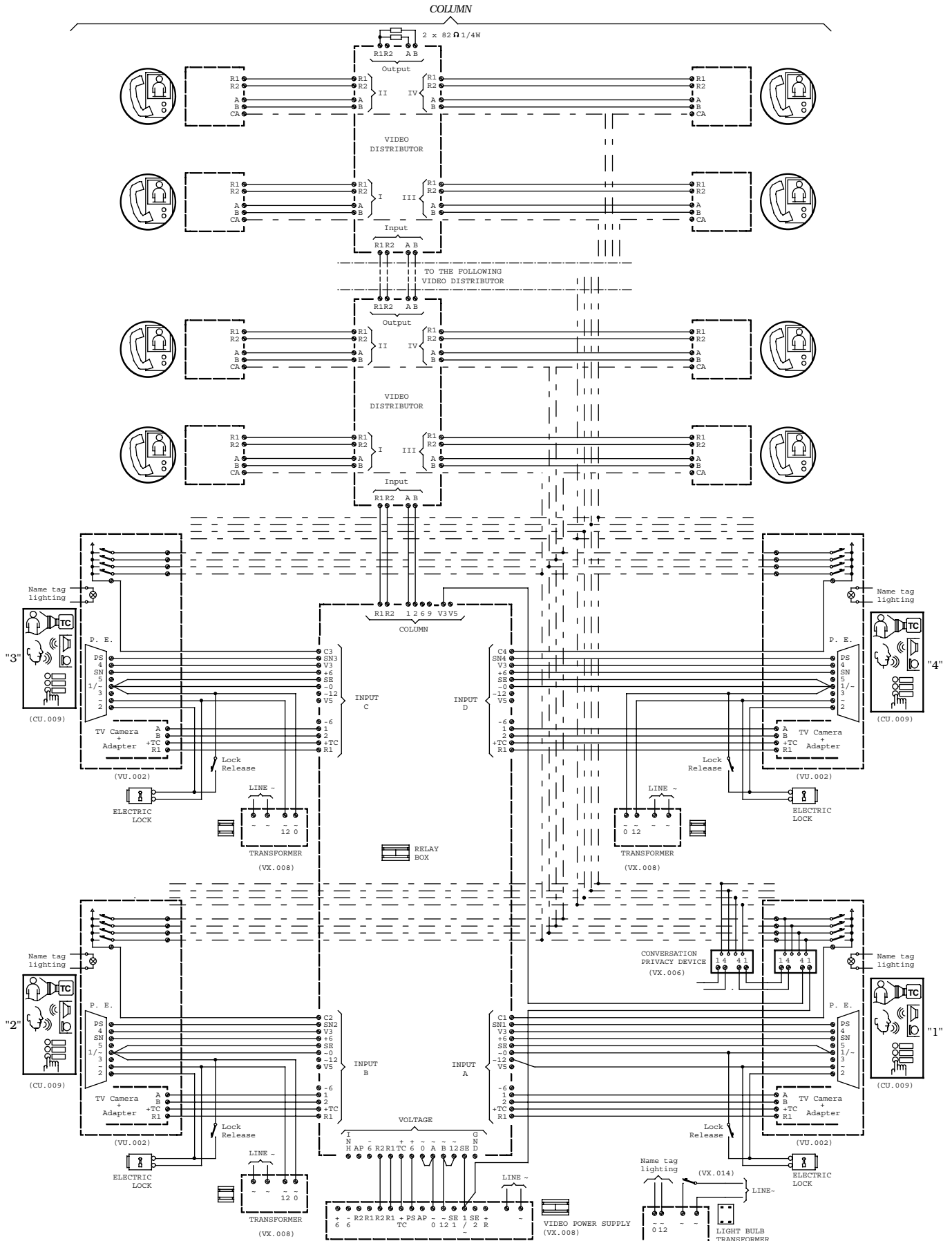
#### DIAGRAM NOTES

(see section 1)

CU.009 V5.001  
VX.006 VX.008 VX.014 VU.002

**CONNECTION OF SEVERAL VIDEO DOOR PHONE  
TO 4 VIDEO OUTDOOR STATIONS**  
Automatic switching during calls (Mod. 725)

SV102-2806F







## CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT

Automatic switching during calls (Mod. Sinthesi o K-Steel)

**urmet**  
DOMUS

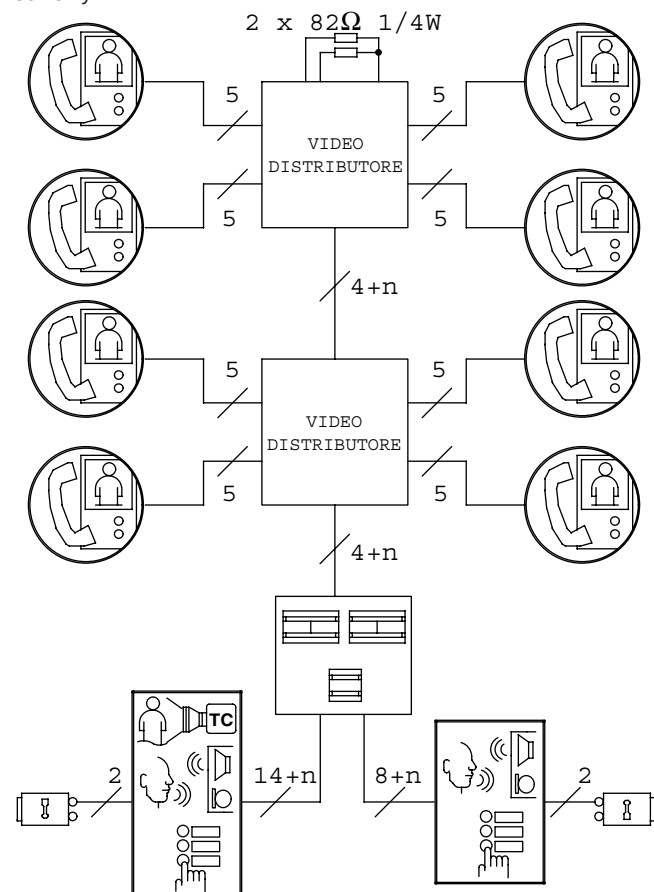
### FUNCTION

This type of system is used to connect a video door phone column to an automatically switching video door unit or door unit.

A two-tone electronic call is sent to the corresponding video door phone speaker when a call button is pressed on either of the two panels; the picture appears on the screen after approximately seven seconds if the call was made by the video door unit.

The video door phone will not light up and the video door phone will work as a normal door phone if the call is made from the camera unit and panel.

Press at the end of the call to open the concerned door electrical lock only.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3121C:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

- N. X Video door phone
- N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

- N. X Video door phone
- N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES



##### Sinthesi model

- N. 1 Module with camera and door unit Ref. 1745/20-21-22
- N. X Button modules Ref. 1145/11-12-13-14
- N. X/4 Conversation privacy device Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

- N. 1 Module camera Ref. 1755/30A
- N. 1 Module with door unit Ref. 1155/30-31-32A
- N. X Button modules Ref. 1155/11-12A-13A-14A
- N. X/4 Conversation privacy device Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### OUTDOOR STATION REFERENCES



##### Sinthesi model

- N. X Button modules Ref. 1145/11-12-13-14
- N. 1 Module with door unit set-up Ref. 1145/20-21
- N. 1 Amplified door unit Ref. 1145/67
- N. X/4 Conversation privacy device Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

- N. X Button modules Ref. 1155/11-12A-13A-14A
- N. 1 Module with door unit Ref. 1155/30-31-32A
- N. X/4 Conversation privacy device Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

- N. 1 Video power supply Ref. 789/5B
- N. 1 Transformer Ref. 9000/230
- N. 1 Relay box Ref. 788/51
- N. X Video distributor Ref. 955/40

#### DIAGRAM NOTES

(see section 1)

C4.006 C4.007 C4.008 C4.016 C4.018 CU.009  
V5.001 VD.002 VU.002 VX.006 VX.008 VX.014

##### VX.021a

Cut or remove the jumpers on the device(s):

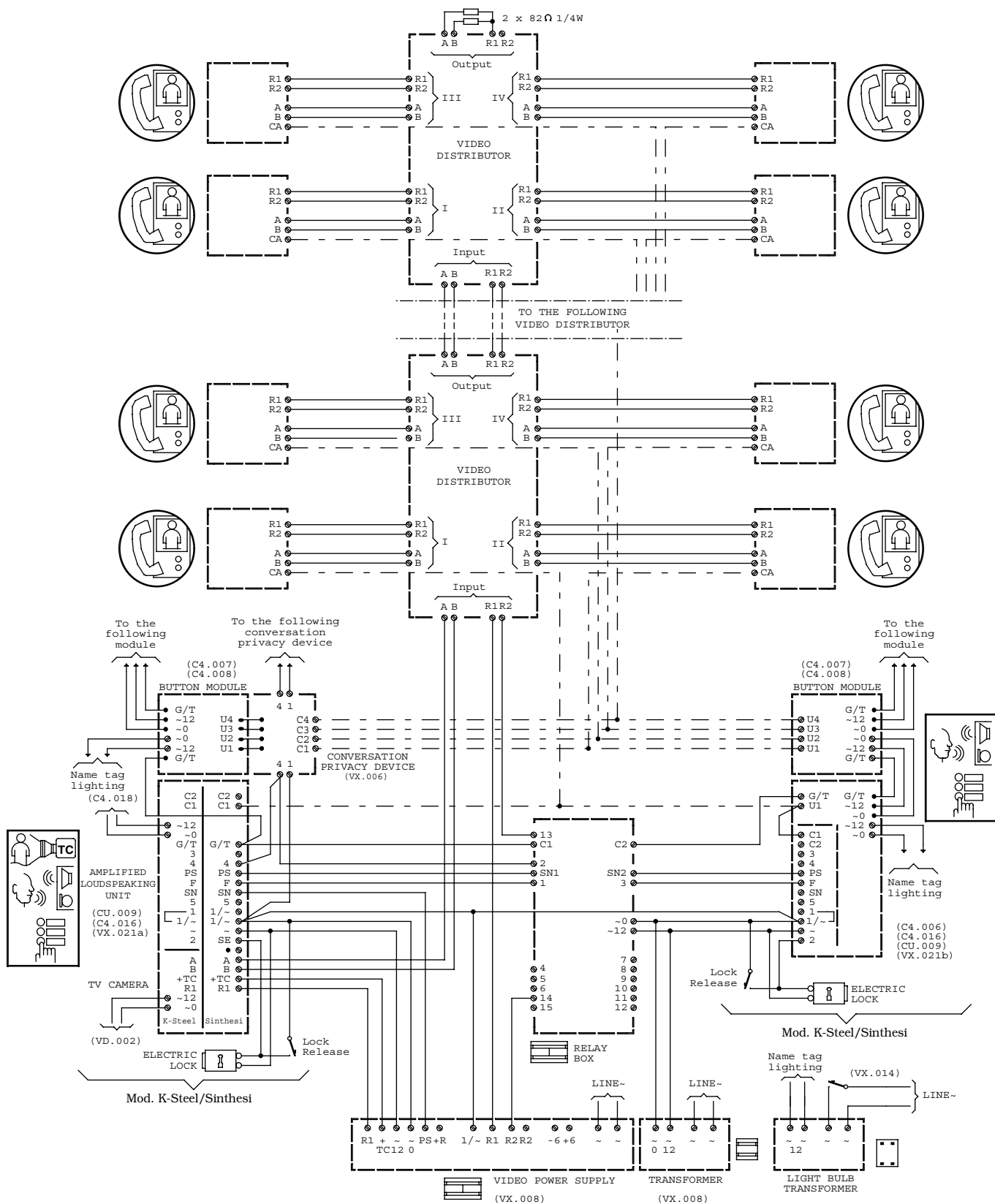
- a) PS - G/T
- b) 4 - F

##### VX.021b

Cut or remove the jumpers on the device(s):

- a) 4 - F





**5**  
**wires**

## CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO 1 MAIN VIDEO OUTDOOR STATION

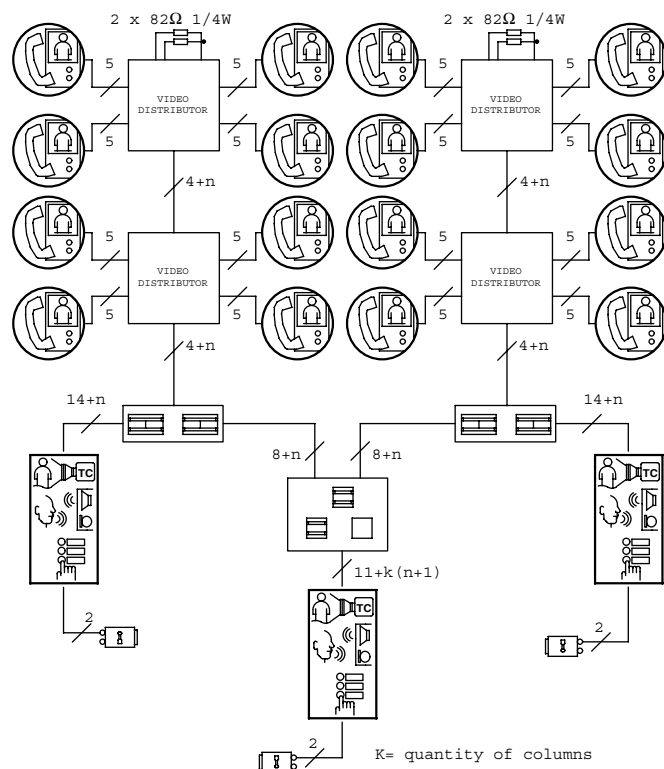
Each column is also connected to its own secondary video outdoor station  
(Mod. Sinthesi or Mod. K-Steel)

**urmet**  
DOMUS

### FUNCTION

This system is particularly suitable for residential properties where it is necessary to connect the single villas to a proper video outdoor station and to a common one located at the main entry.

During calling the video door phone is automatically switched on the main video outdoor station or to the secondary one of its own group, by means of the switching relay. The services for secondary video outdoor stations are independent, so that they be realized simultaneously. When the call is coming from the main video outdoor station, only the group of the called video door phone is switched on it, the other ones continue to service towards the secondary.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3060B:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

N. X Video door phone  
N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES

##### Sinthesi model

N. 1+K Module with camera and door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1745/20-/21-/22  
Ref. 1145/11-/12-/13-/14  
Ref. 1145/74



The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

N. 1+K Module camera  
N. 1+K Module with door unit  
N. X Button modules  
N. X/4 Conversation privacy device

Ref. 1755/30A  
Ref. 1155/30-/31-/32A  
Ref. 1155/11-/12A-/13A-/14A  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. K Video power supply  
N. 1 Transformer  
N. K Relay box  
N. X Video distributor  
N. 1 Supplementary power supply

Ref. 789/5B  
Ref. 9000/230  
Ref. 788/51  
Ref. 955/40  
Ref. 1090/850

#### DIAGRAM NOTES

(see section 1)

C4.007 C4.008 C4.014 C4.017 CU.009  
V5.001 VD.002 VX.006 VX.008 VX.014

##### VX.021a

Cut or remove the jumpers on the device(s):  
a) 4 - F

##### VX.021b

Cut or remove the jumpers on the device(s):  
a) P1 - P2





## CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO 1 MAIN VIDEO OUTDOOR STATION

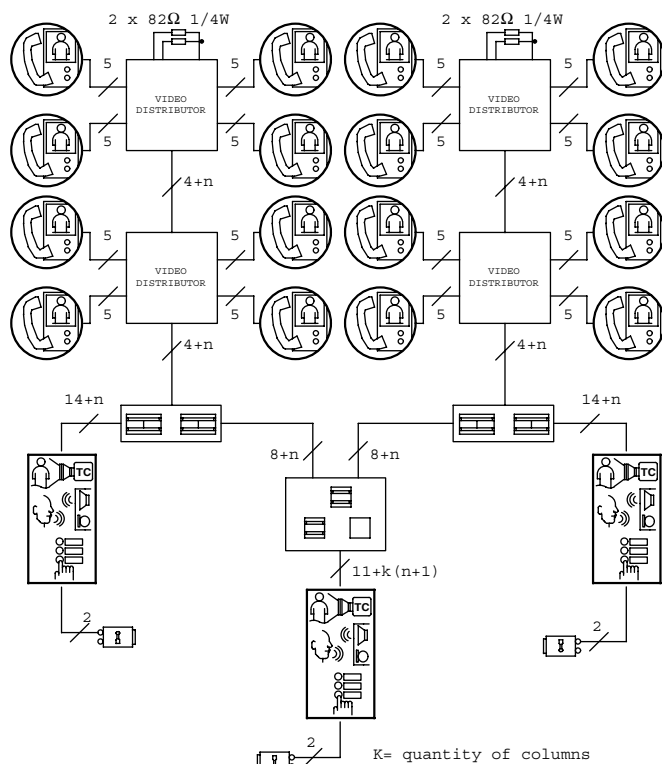
Each column is also connected to its own secondary outdoor station  
(Mod. Sinthesi or Mod. K-Steel)

**urmet**  
DOMUS

### FUNCTION

This system is particularly suitable for residential properties where it is necessary to connect the single villas to a proper video outdoor station and to a common one located at the main entry.

During calling the video door phone is automatically switched on the main video outdoor station or to the secondary one of its own group, by means of the switching relay. The services for secondary video outdoor stations are independent, so that they be realized simultaneously. When the call is coming from the main video outdoor station, only the group of the called video door phone is switched on it, the other ones continue to service towards the secondary.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3094D:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

- N. X Video door phone
- N. X Bracket

Ref. 1702/1  
Ref. 1202/955

or

##### Artico model

- N. X Video door phone
- N. X Bracket

Ref. 1705/1  
Ref. 1705/955

#### VIDEO OUTDOOR STATION REFERENCES

##### Sinthesi model

- N. 1 Module with camera and door unit
- N. X Button modules
- N. X/4 Conversation privacy device

Ref. 1745/20-/21-/22  
Ref. 1145/11-/12-/13-/14  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

- N. 1 Module camera
- N. 1 Module with door unit
- N. X Button modules
- N. X/4 Conversation privacy device

Ref. 1755/30A  
Ref. 1155/30-/31-/32A  
Ref. 1155/11-/12A-/13A-/14A  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### OUTDOOR STATION REFERENCES



##### Sinthesi model

- N. X Button modules
- N. K Module with door unit set-up
- N. K Amplified door unit
- N. X/4 Conversation privacy device

Ref. 1145/11-/12-/13-/14  
Ref. 1145/20-/21  
Ref. 1145/67  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

or

##### K-Steel model

- N. X Button modules
- N. K Module with door unit
- N. X/4 Conversation privacy device

Ref. 1155/11-/12A-/13A-/14A  
Ref. 1155/30-/31-/32A  
Ref. 1145/74

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "K-Steel modular vandal-proof panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

- N. K Video power supply
- N. 1 Transformer
- N. K Relay box
- N. X Video distributor
- N. 1 Supplementary power supply
- N. X Kit of 10 diodes

Ref. 789/5B  
Ref. 9000/230  
Ref. 788/51  
Ref. 955/40  
Ref. 1090/850  
Ref. 1131/4

#### DIAGRAM NOTES

(see section 1)

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| C4.007 | C4.008 | C4.014 | C4.017 | CU.009 |
| V5.001 | VD.002 | VX.006 | VX.008 | VX.014 |

##### VX.021a

Cut or remove the jumpers on the device(s):  
a) 4 - F

##### VX.021b

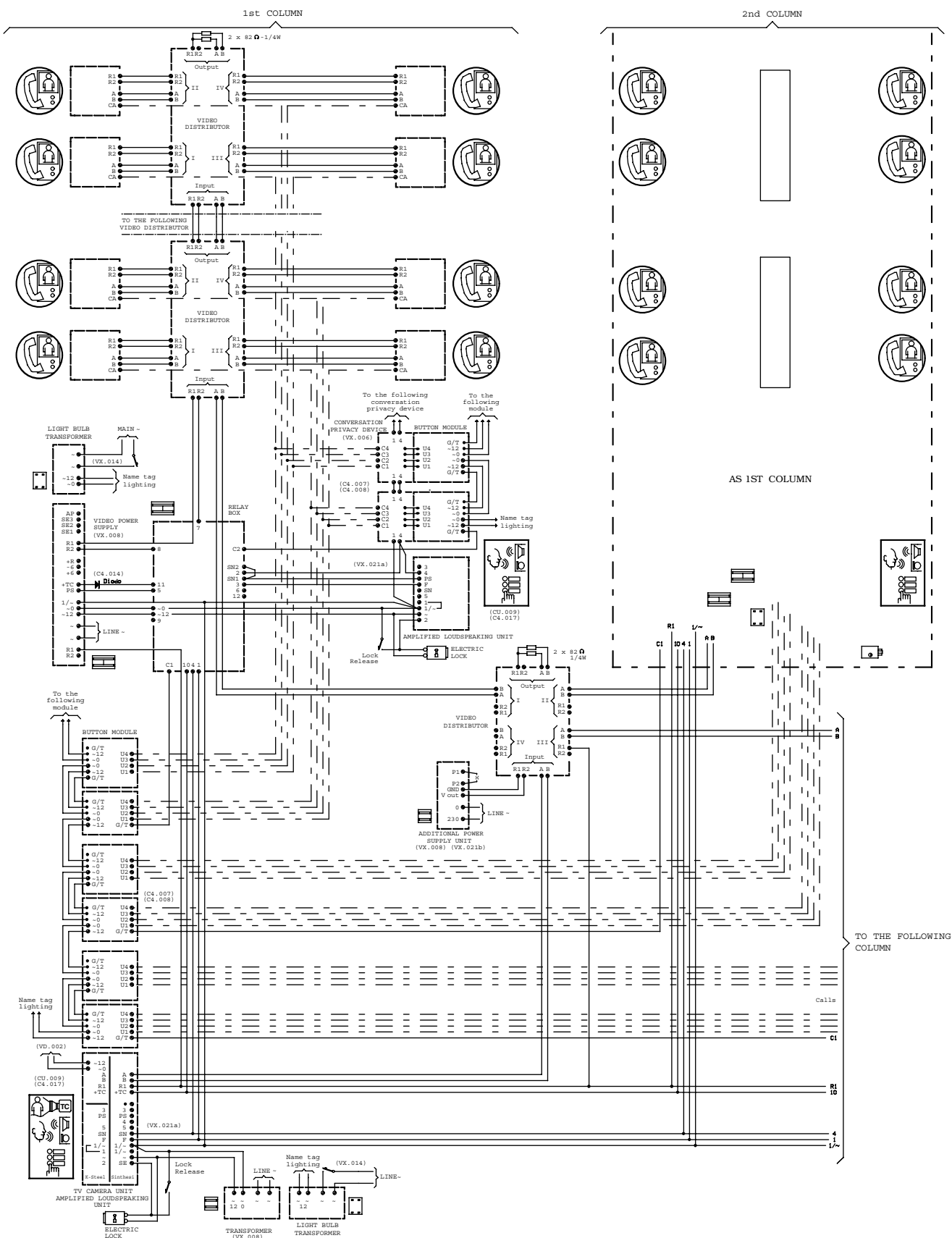
Cut or remove the jumpers on the device(s):  
a) P1 - P2

# CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO 1 MAIN VIDEO OUTDOOR STATION

Each column is also connected to its own secondary outdoor station  
(Mod. Sinthesi or Mod. K-Steel)

**5  
wires**

**SV102-3094D**



**5**  
**wires**

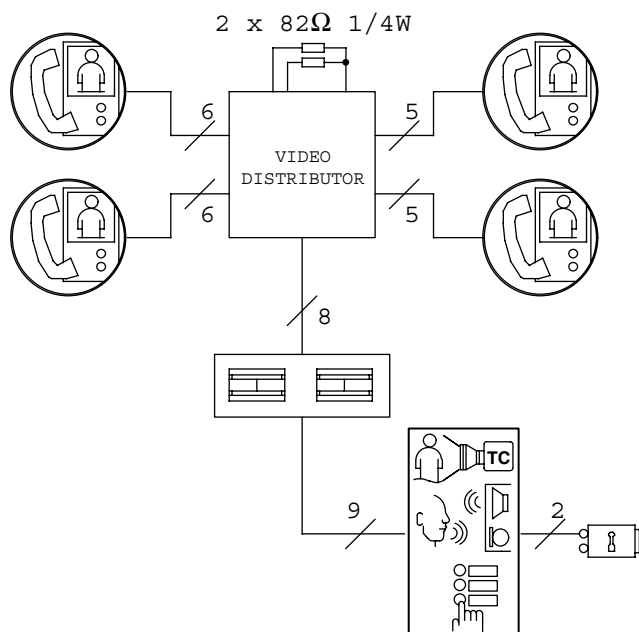
## CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION (Mod. Sinthesi or Mod. K-Steel)

The video door unit calls the 4 video door phones in parallel with switch-on at the same time

**urmet**  
DOMUS

### FUNCTION

This system allows the connection of a column of video door phones to 4 video outdoor stations with automatic switching. Therefore, it is suitable for a building with 4 entrances common to all apartments. When a visitor presses a call button on one of the two push button panels, in the called apartment the bitonal electronic call is sent to the corresponding video door phone loudspeaker and the image appears on the screen after about 7 seconds.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3166C:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone  
N. X Bracket



Ref. 1702/1  
Ref. 1202/955

#### VIDEO OUTDOOR STATION REFERENCES

##### Sinthesi model

N. 1 Module with camera and door unit



Ref. 1745/21

or

##### K-Steel model

N. 1 Module with camera and door unit

Ref. 1755/21

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. 1 Video power supply  
N. 1 Supplementary power supply  
N. X Video distributor

Ref. 789/5B  
Ref. 789/3  
Ref. 955/40

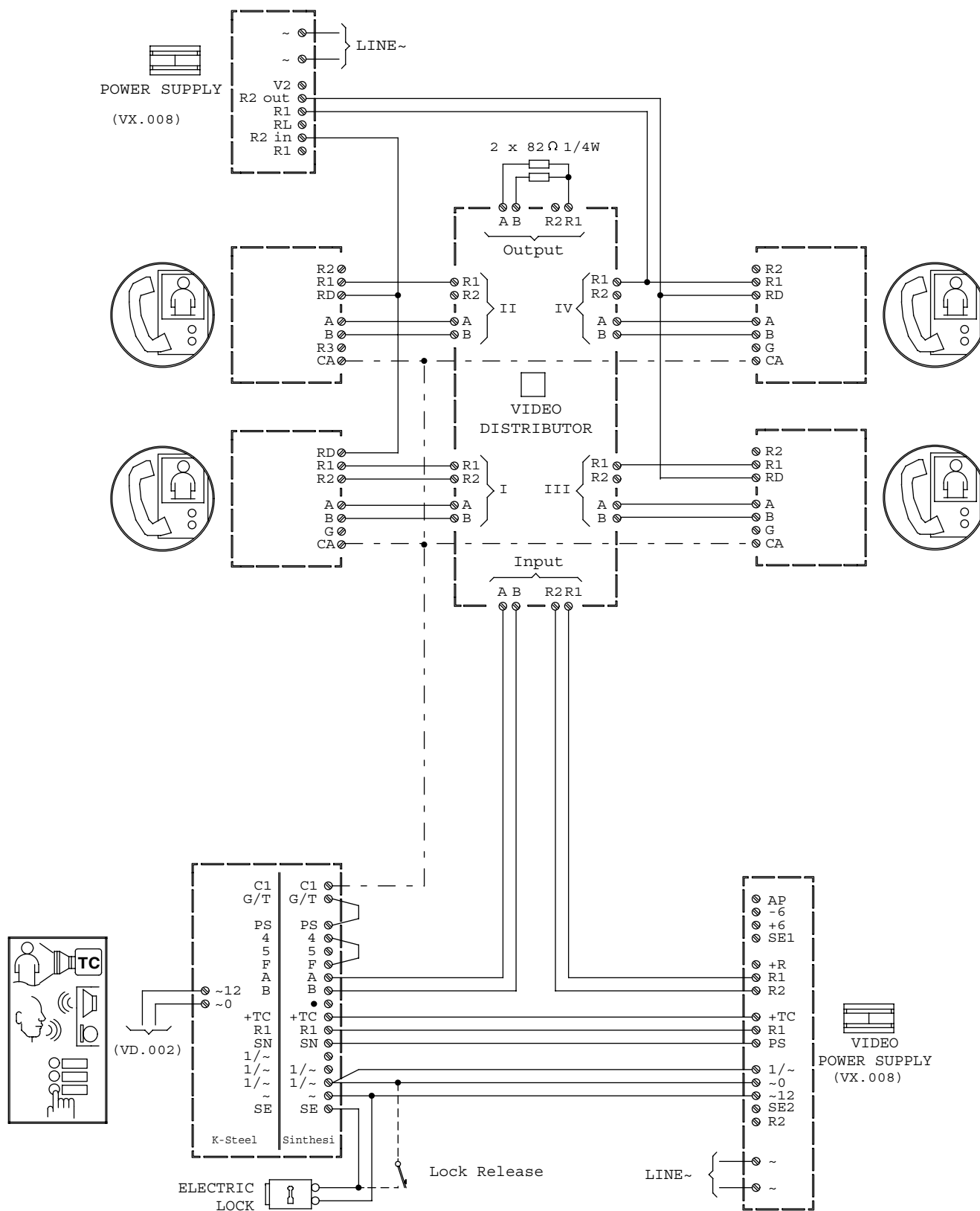
### DIAGRAM NOTES

(see section 1)

V5.001 VD.002 VX.008

# CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION (Mod. Sinthesi or Mod. K-Steel) The video door unit calls the 4 video door phones in parallel with switch-on at the same time

SV102-3166C







## CONNECTION OF SEVERAL COLOUR VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION (Mod. Sinthesi)

**urmet**  
DOMUS

### FUNCTION

The 5-wire video door phone system implements conversation privacy, call and door opener functions in normal door phone systems with only 5 wires in the riser column: 4 commons + 1 single for each device.

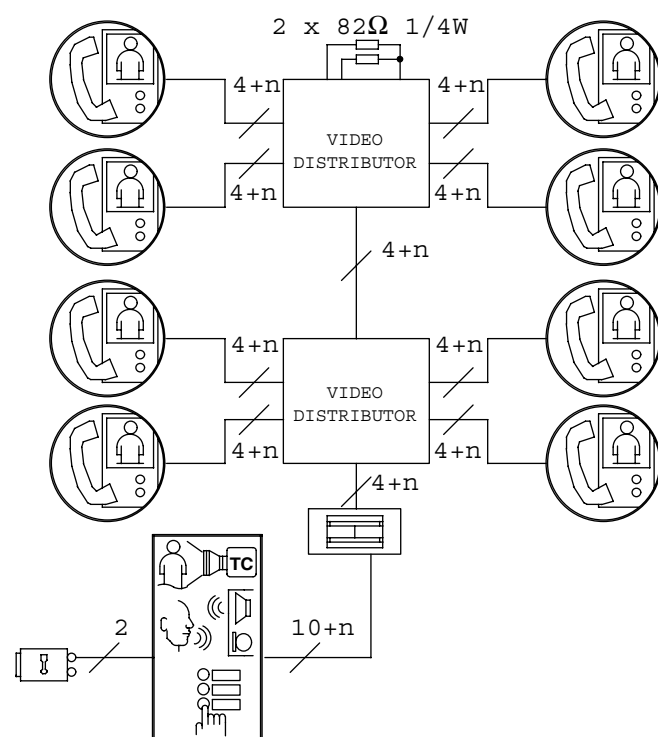
The door unit is powered with only two wires and a transformer at 12V~.

The most interesting application of a 5-wire system is in old buildings where a door phone system is already fitted. The existing system can be transformed into a video door phone system without adding wires to the column or in the apartments.

Specific conversation privacy circuits must be fitted in the panel for ensuring conversation privacy for all video door phones in the system (one for each button). All video door phones are normally deactivated (no sound is heard when the handset is picked up); only the video door phone called from the door can start the conversation. No other users can cut into the call.

The voice circuit of the called video door phone remains activate until the following call is made from the panel to another device.

The door opening function is connected to conversation privacy; this means that a user must be called to be able to open the electrical lock.



### EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3122E:

#### VIDEO DOOR PHONE REFERENCES

##### Atlantico model

N. X Video door phone

N. X Bracket



Ref. 1702/40

Ref. 1202/955

or

##### Modello Utopia

N. X Video door phone

N. X Bracket

Ref. 1703/1

Ref. 1703/955

#### VIDEO OUTDOOR STATION REFERENCES

##### Sinthesi model

N. X Button modules

N. 1 Module camera

N. 1 Video adapter

N. 1 Module with door unit set-up

N. 1 Amplified door unit

N. X/4 Conversation privacy device

Ref. 1145/11-/12-/13-/14

Ref. 1745/40

Ref. 1742/13A

Ref. 1145/20-/21

Ref. 1145/67

Ref. 1145/74



The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "Sinthesi panel" section of Doorphone and Videodoorphone system - product technical manual.

#### POWER SUPPLY REFERENCES

N. 1 Video power supply

N. X Video distributor

Ref. 789/5B

Ref. 955/40

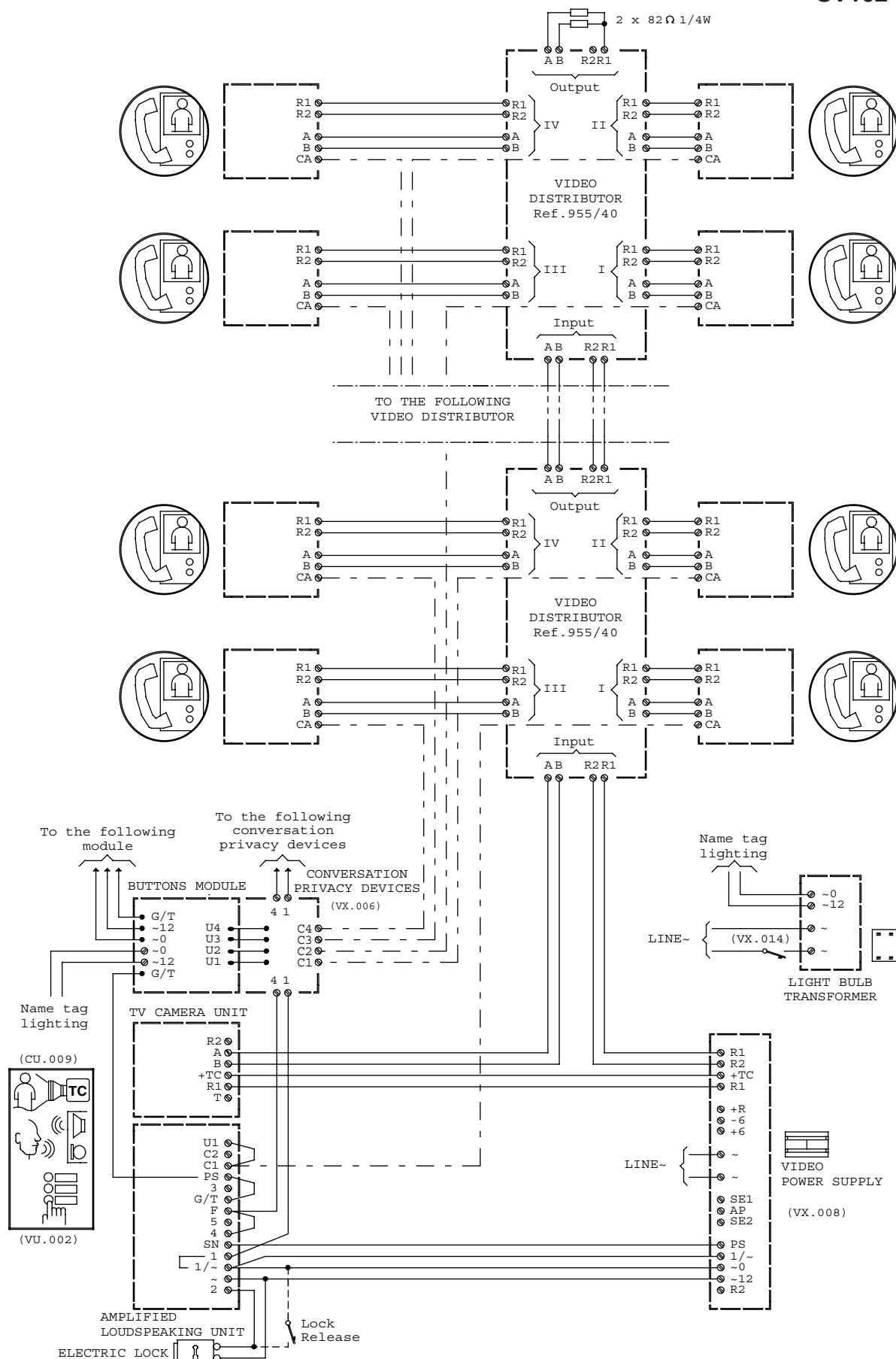
### DIAGRAM NOTES

(see section 1)

CU.009 V5.001 VU.002 VX.006 VX.008 VX.014



**SV102-3122E**



**5**  
wires

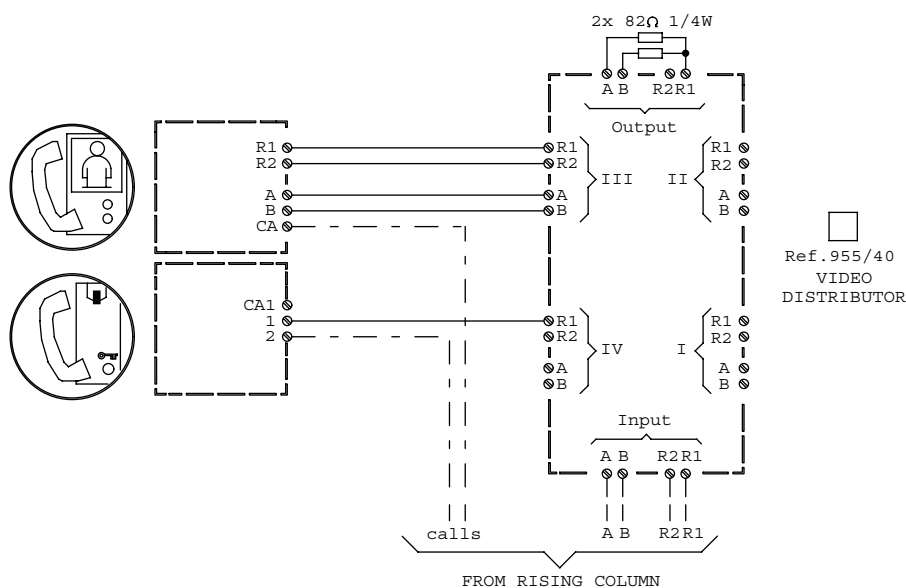
**SV102-3239: CONNECTION OF 1 VIDEO DOOR PHONE AND 1 DOOR PHONE  
TO 1 RISING COLUMN. SINGLE CALLS**

**SV102-1710D: CONNECTION OF ONE DOOR PHONE IN PARALLEL TO 1 VIDEO DOOR PHONE**

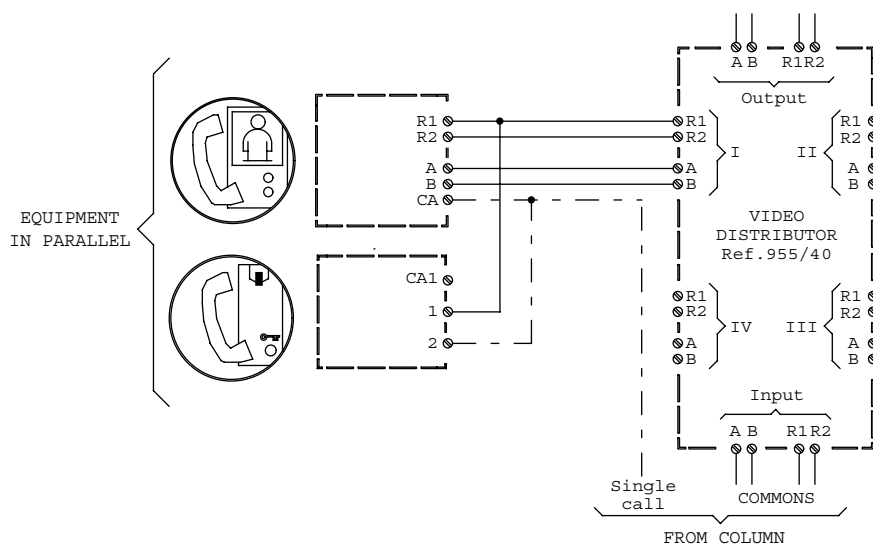
**SV102-1712F: CONNECTION OF TWO VIDEO DOOR PHONES IN PARALLEL**

**urmet**  
DOMUS

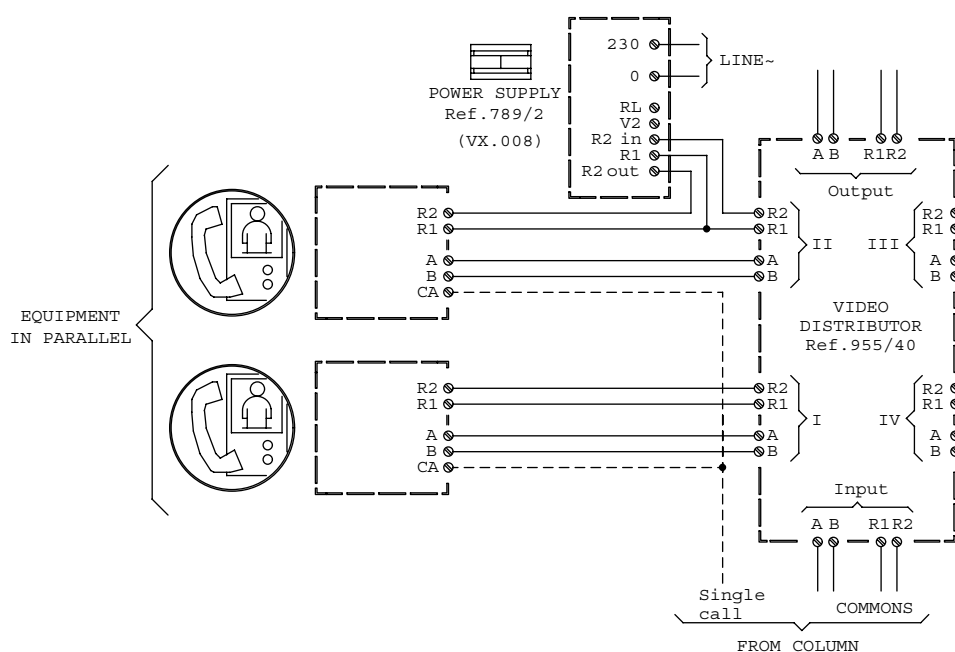
**SV102-3239**



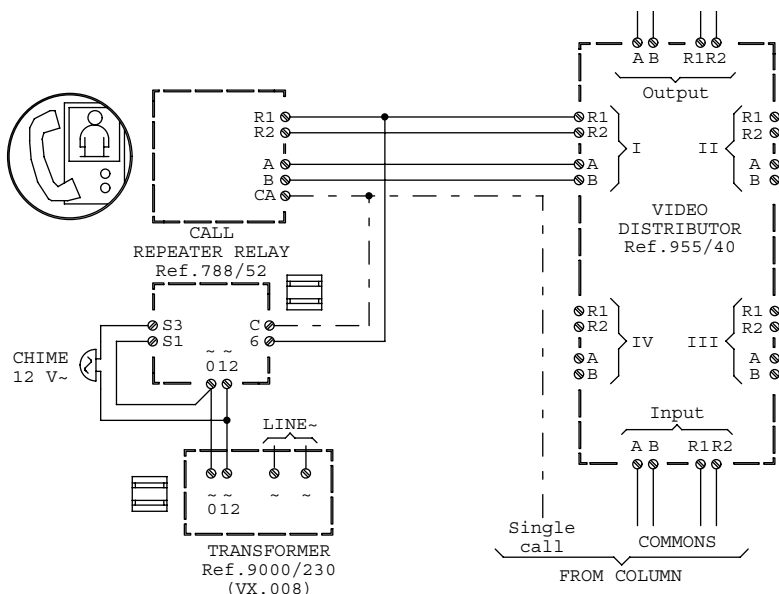
**SV102-1710D**



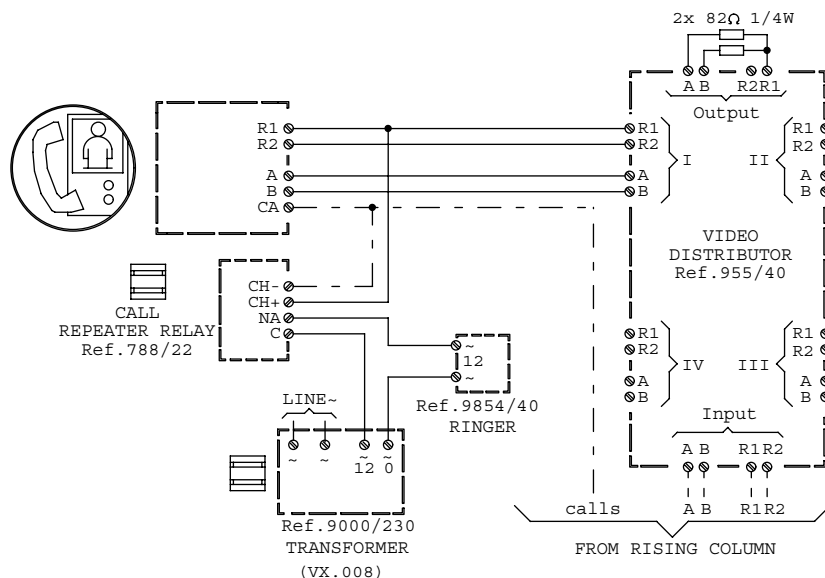
**SV102-1712F**



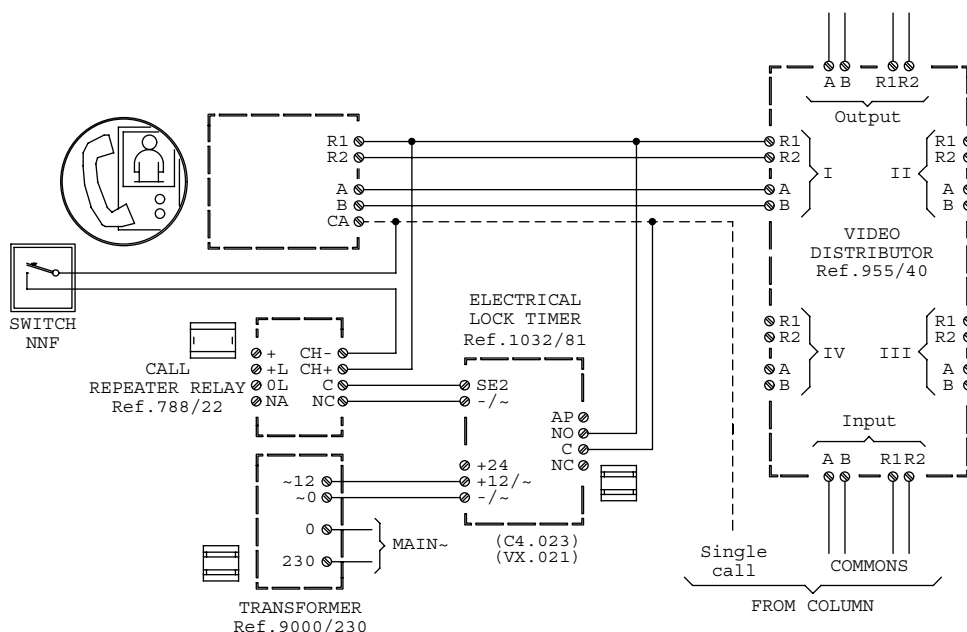
**SV102-1470C**

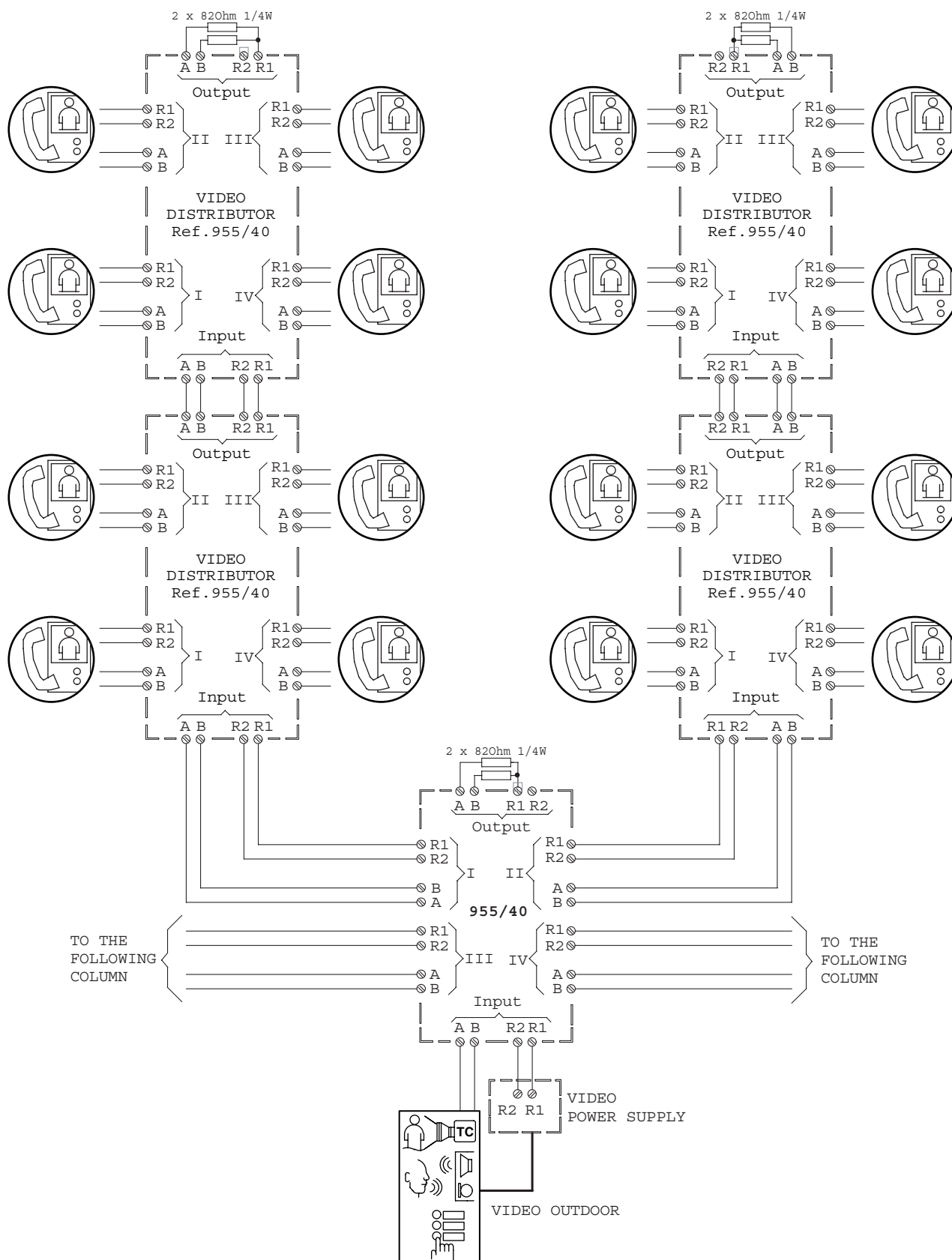


**SV102-3240**



**SV102-3238**





The video power unit Ref. 789/5B can power up to 8 video distributors Ref. 955/40 if Atlantico, or Scatell monitors are not installed in parallel in the system.  
The closing resistors must not be present on the video door phone brackets.



## SECTION 1E CONTENTS

## DOOR PHONE AND VIDEO DOOR PHONE SYSTEM - DIAGRAM



|                                                                                                                                                                                                         | Diagram           | Sec.     | Pag. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|
| <b>BASIC DIAGRAMS FOR 5-WIRE ELECTRONIC DOOR PHONE SYSTEMS</b>                                                                                                                                          |                   |          |      |
| CONNECTION OF 2 VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT .....                                                                                                                                            | SV102-3147B ..... | 1e ..... | 2    |
| CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO DOOR UNIT .....                                                                                                                                             | SV102-2082C ..... | 1e ..... | 4    |
| CONNECTION OF 2 VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT .....                                                                                                                                            | SV102-2081B ..... | 1e ..... | 5    |
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| CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 2 VIDEO OUTDOOR STATION<br>Automatic switching during calls (Mod. 725) .....                                                                                  | SV102-2913B ..... | 1e ..... | 10   |
| CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 4 VIDEO OUTDOOR STATIONS<br>Automatic switching during calls (Mod. Sinthesi or Mod. K-Steel) .....                                                            | SV102-3092D ..... | 1e ..... | 12   |
| CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 4 VIDEO OUTDOOR STATIONS<br>Automatic switching during calls (Mod. 725) .....                                                                                 | SV102-2806F ..... | 1e ..... | 14   |
| CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT<br>Automatic switching during calls (Mod. Sinthesi o K-Steel).....                                                          | SV102-3121C ..... | 1e ..... | 16   |
| CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES<br>TO 1 MAIN VIDEO OUTDOOR STATION<br>Each column is also connected to its own secondary video outdoor station<br>(Mod. Sinthesi or Mod. K-Steel) ..... | SV102-3060B ..... | 1e ..... | 18   |
| CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES<br>TO 1 MAIN VIDEO OUTDOOR STATION<br>Each column is also connected to its own secondary outdoor station<br>(Mod. Sinthesi or Mod. K-Steel) .....       | SV102-3094D ..... | 1e ..... | 20   |
| CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION<br>(Mod. Sinthesi or Mod. K-Steel)<br>The video door unit calls the 4 video door phones in parallel with switch-on at the same time .....  | SV102-3166C ..... | 1e ..... | 22   |
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**5-WIRE VIDEO DOOR PHONE SYSTEM DIAGRAM CROSS-REFERENCE TABLE**

| LIST OF AVAILABLE FUNCTIONS |   |                                                                                        |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|-----------------------------|---|----------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|
| Panel model                 |   |                                                                                        |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Number of main video door phone panels to be installed                                 |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Number of video door phone secondary panels to be installed                            |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Number of main door phone panels to be installed                                       |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Number of secondary door phone panels to be installed                                  |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Single calls from panel: each user has its own call button                             |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Calls from panel in parallel: each user has several video door phones in the apartment |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Use of devices in parallel with a video door phone                                     |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Use of some door phones for audio service only                                         |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Colour camera                                                                          |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
|                             |   | Possibility of opening door during call                                                |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
| Use of kits                 |   |                                                                                        |   |   |   |   |   |   |   |                                                                                                                                                               |             |    |
| DIAGRAM DESCRIPTION         |   |                                                                                        |   |   |   |   |   |   |   | DIAGRAM                                                                                                                                                       | PAGE        |    |
| Smyle                       | 1 | 0                                                                                      | 0 | 0 | √ |   |   |   | √ | COLLEGAMENTO DI MAX 2 VIDEOCITOFONI AD 1 VIDEOPORTIERE ELETTRICO                                                                                              | SV102-3147B | 2  |
|                             |   | 0                                                                                      | 0 | 0 | √ |   |   |   | √ | COLLEGAMENTO DI 1 VIDEOCITOFONO AD 1 VIDEOPORTIERE ELETTRICO                                                                                                  | SV102-2082C | 4  |
| Sinthesi                    | 1 | 0                                                                                      | 0 | 0 | √ |   |   |   | √ | COLLEGAMENTO DI 2 VIDEOCITOFONI AD 1 VIDEOPORTIERE ELETTRICO                                                                                                  | SV102-2081B | 5  |
| Generic                     |   | 0                                                                                      | 0 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION                                                                                             | SV102-2633H | 6  |
| Sinthesi                    |   | 0                                                                                      | 0 | 0 | √ |   |   |   | √ | CONNECTION OF SEVERAL COLOUR VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION                                                                                     | SV102-3122E | 24 |
| Sinthesi or K-Steel         |   | 0                                                                                      | 0 | 0 |   | √ |   |   |   | CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION<br>The video door unit calls the 4 video door phones in parallel with switch-on at the same time | SV102-3166C | 22 |
| Sinthesi or K-Steel         | 1 | 0                                                                                      | 0 | K | √ |   |   |   |   | CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO 1 MAIN VIDEO OUTDOOR STATION<br>Each column is also connected to its own secondary outdoor station         | SV102-3094D | 20 |
| Sinthesi or K-Steel         |   | 0                                                                                      | 1 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT<br>Automatic switching during calls                                               | SV102-3121C | 16 |
| Sinthesi or K-Steel         |   | K                                                                                      | 1 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL SETS OF VIDEO DOOR PHONES TO 1 MAIN VIDEO OUTDOOR STATION<br>Each column is also connected to its own secondary video outdoor station   | SV102-3060B | 18 |
| Sinthesi or K-Steel         | 2 | 0                                                                                      | 0 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 2 VIDEO OUTDOOR STATION<br>Automatic switching during calls                                                         | SV102-2902G | 8  |
| 725                         |   | 0                                                                                      | 0 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 2 VIDEO OUTDOOR STATION<br>Automatic switching during calls                                                         | SV102-2913B | 10 |
| Sinthesi or K-Steel         | 4 | 0                                                                                      | 0 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 4 VIDEO OUTDOOR STATIONS<br>Automatic switching during calls                                                        | SV102-3092D | 12 |
| 725                         |   | 0                                                                                      | 0 | 0 | √ |   |   |   |   | CONNECTION OF SEVERAL VIDEO DOOR PHONE TO 4 VIDEO OUTDOOR STATIONS<br>Automatic switching during calls                                                        | SV102-2806F | 14 |
|                             |   |                                                                                        |   |   | √ |   |   | √ |   | CONNECTION OF 1 VIDEO DOOR PHONE AND 1 DOOR PHONE TO 1 RISING COLUMN. SINGLE CALLS                                                                            | SV102-3239  | 26 |
|                             |   |                                                                                        |   |   |   | √ |   |   |   | CONNECTION OF TWO VIDEO DOOR PHONES IN PARALLEL                                                                                                               | SV102-1712F | 26 |
|                             |   |                                                                                        |   |   |   | √ |   | √ |   | CONNECTION OF ONE DOOR PHONE IN PARALLEL TO 1 VIDEO DOOR PHONE                                                                                                | SV102-1710D | 26 |
|                             |   |                                                                                        |   |   |   |   | √ |   |   | CONNECTION OF A CALL REPEATER RELAY Ref. 788/52 FOR OPERATING ADDITIONAL RINGER                                                                               | SV102-1470C | 27 |
|                             |   |                                                                                        |   |   |   |   |   | √ |   | CONNECTION OF A CALL REPEATER RELAY Ref. 788/22 FOR OPERATING ADDITIONAL RINGER                                                                               | SV102-3240  | 27 |
|                             |   |                                                                                        |   |   |   |   |   |   | √ | EXAMPLE OF CONNECTION FOR RELEASING DOOR LOCK DURING A CALL BY THE VIDEO DOOR PHONE                                                                           | SV102-3238  | 27 |

K = number of columns with panel