BASIC DIAGRAMS FOR COAX ELECTRONIC VIDEO DOOR PHONE SYSTEMS

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CONNECTION OF MAX. 2 VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT

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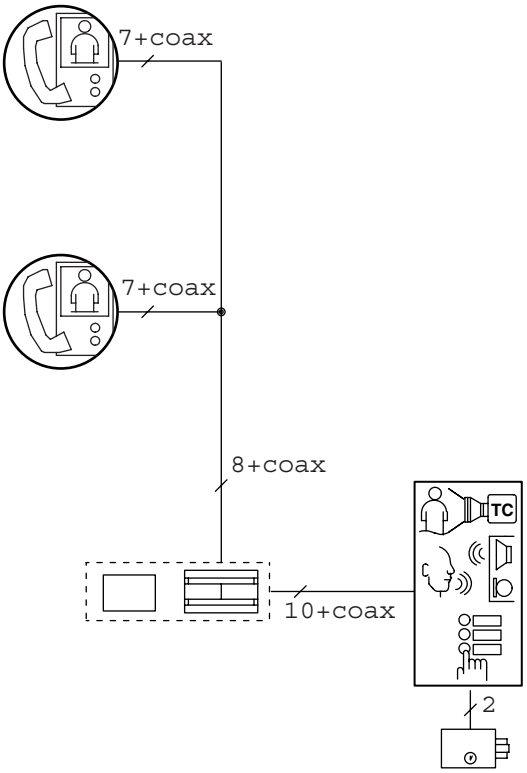
FUNCTION

This system allows connection between the video outdoor station and the various video door phones situated in the apartments. When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding video door phone loudspeaker and, after about 7 seconds, the image appears on the screen.
At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key ( ).
Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second video door phone is called before the end of the 60 seconds, the first video door phone will automatically go off and the latter comes on. This feature guarantees secrecy of vision.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3146D:

"COAX" VIDEO DOOR PHONE KIT DIAGRAMS

N. 1 One-family kit (1 button)
with Atlantico video door phone **Ref. 1702/611**
consisting of:
- Sinthesi camera with integrated door unit and 1 calling button Ref. 1745/81
- 1 Atlantico video door phone Ref. 1702/1 with bracket Ref. 1202/90
- 1 flush mounting box for 1 module Ref. 1145/51
- Module holder with frame for 1 module Ref. 1145/61
- Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B

or

N. 1 One-family kit (1 button)
with Artico video door phone **Ref. 1705/621**
consisting of:
- Sinthesi camera with integrated door unit and 1 calling button Ref. 1745/81
- 1 Artico video door phone Ref. 1705/1 with bracket Ref. 1705/90
- 1 flush mounting box for 1 module Ref. 1145/51
- Module holder with frame for 1 module Ref. 1145/61
- Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B

or

N. 1 Two-family kit (2 buttons)
with Atlantico video door phone **Ref. 1702/612**
consisting of:
- Sinthesi camera with integrated door unit and 2 calling buttons Ref. 1745/82
- 2 Atlantico video door phones Ref. 1702/1 with bracket Ref. 1202/90
- 1 flush mounting box for 1 module Ref. 1145/51
- Module holder with frame for 1 module Ref. 1145/61
- Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B

or

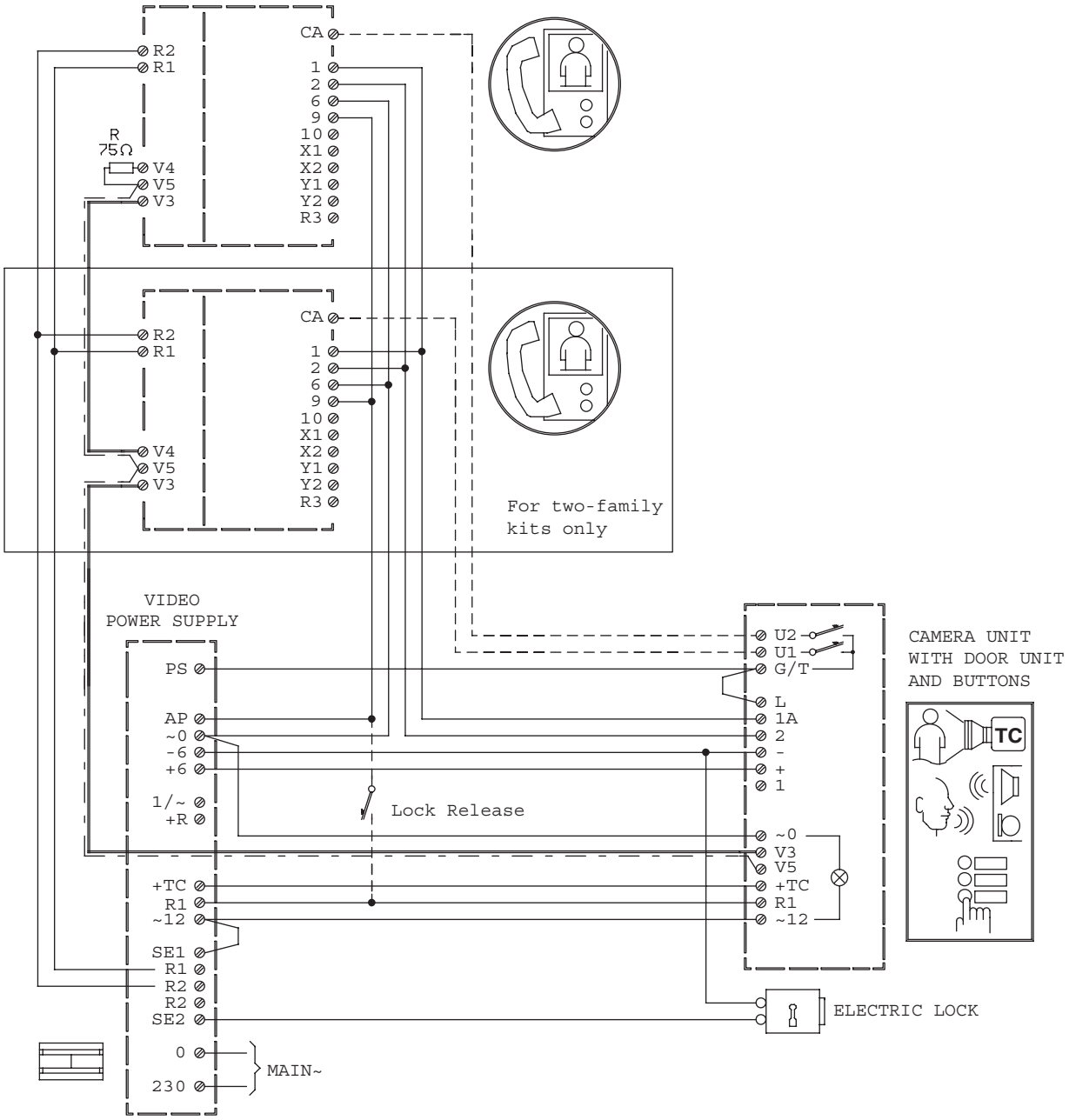
N. 1 Two-family kit (2 buttons)
with Artico video door phone **Ref. 1705/622**
consisting of:
- Sinthesi camera with integrated door unit and 2 calling buttons Ref. 1745/82
- 2 Artico video door phones Ref. 1705/1 with bracket Ref. 1705/90
- 1 flush mounting box for 1 module Ref. 1145/51
- Module holder with frame for 1 module Ref. 1145/61
- Power unit 230Vac-38VA, 10 DIN modules Ref. 789/5B

DIAGRAM NOTES

(see section 1)

VX.003

SV102-3146D


R2
R1
R
75Ω
V4
V5
V3
CA
1
2
6
9
10
X1
X2
Y1
Y2
R3
For two-family kits only
VIDEO POWER SUPPLY
PS
AP
~0
-6
+6
1/~
+R
+TC
R1
~12
SE1
R1
R2
R2
SE2
0
230
MAIN~
Lock Release
U2
U1
G/T
L
1A
2
-
+
1
~0
V3
V5
+TC
R1
~12
CAMERA UNIT WITH DOOR UNIT AND BUTTONS
TC
ELECTRIC LOCK

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CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION

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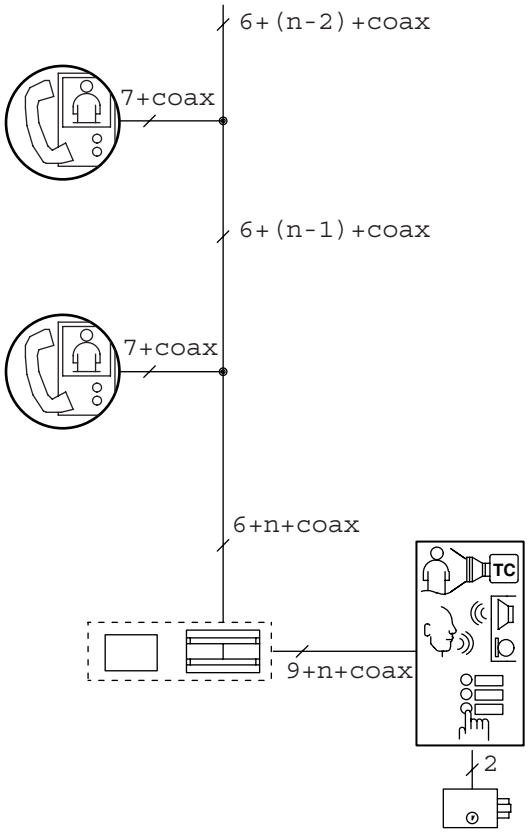
FUNCTION

This system allows connection between the video outdoor station and the various video door phones situated in the apartments. When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding video door phone loudspeaker and, after about 7 seconds, the image appears on the screen.
At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key ( ).
Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second video door phone is called before the end of the 60 seconds, the first video door phone will automatically go off and the latter comes on. This feature guarantees secrecy of vision.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2631E:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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 camera and door unit	**Ref. 1755/80**

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	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Video distributor	**Ref. 1794/4A**

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION

SV102-2631E

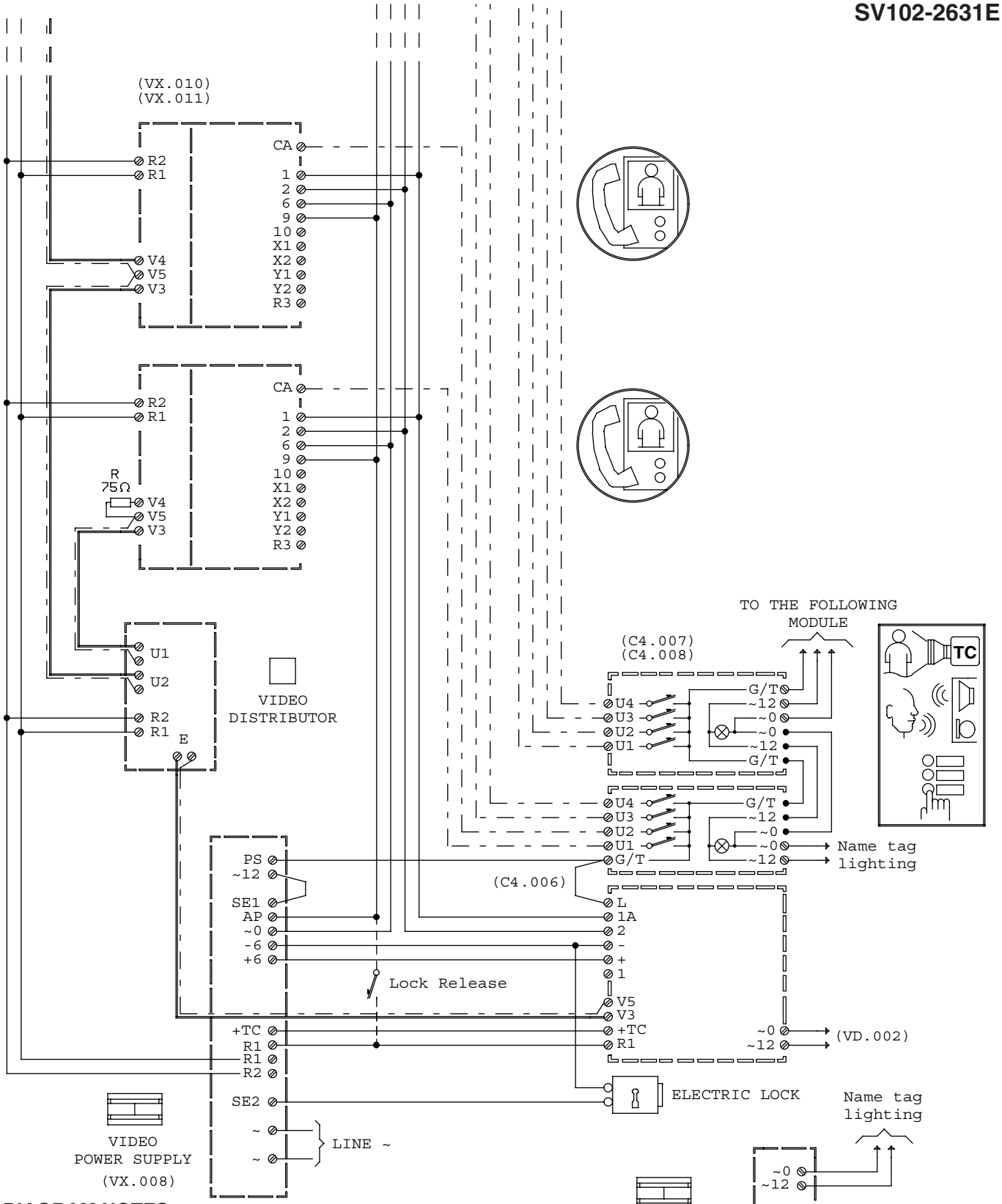


DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 VD.002 VX.003
VX.008 VX.010 VX.011 VX.014

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CONNECTION OF SEVERAL VIDEO DOOR PHONES AND HOUSE PHONES TO 1 VIDEO OUTDOOR STATION

Connection in the riser of a number of house phones with voice service only

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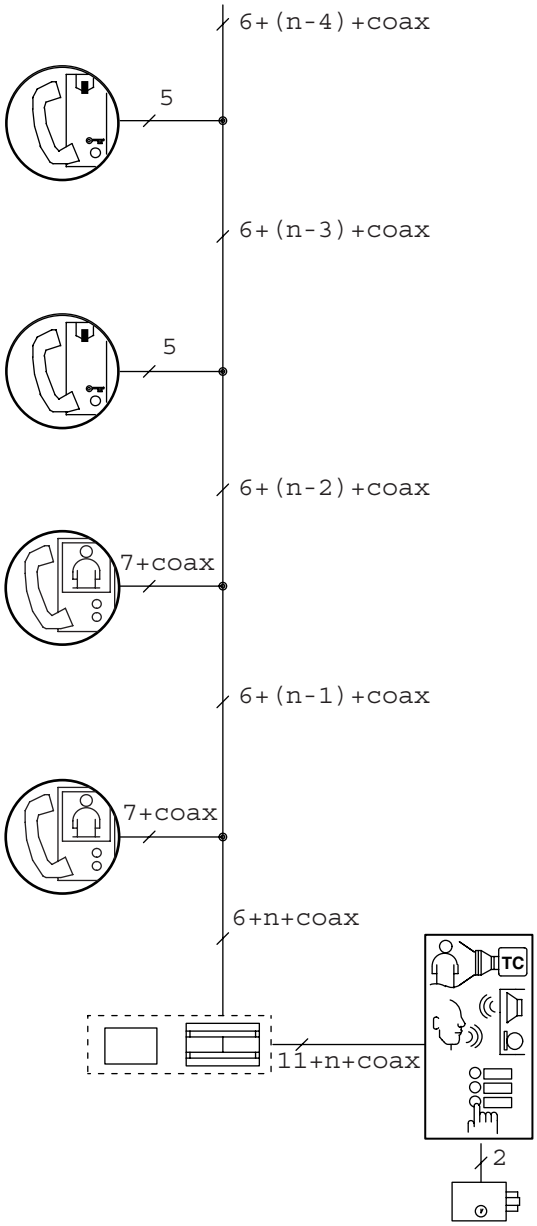
FUNCTION

This system has the same operation features as the basic system (Scheme SV102-2631) with the possibility to add simple house phones onto the same riser with phonic service only.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1609E:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

DOOR PHONE REFERENCES

N. X	Door phone Mod. Utopia	**Ref. 1134/1**
N. X	Door phone Mod. Atlantico	**Ref. 1133**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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 camera and door unit	**Ref. 1755/80**

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	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Video distributor	**Ref. 1794/4A**

urmet DOMUS

CONNECTION OF SEVERAL VIDEO DOOR PHONES AND HOUSE PHONES TO 1 VIDEO OUTDOOR STATION

Connection in the riser of a number of house phones with voice service only

coax

SV102-1609E

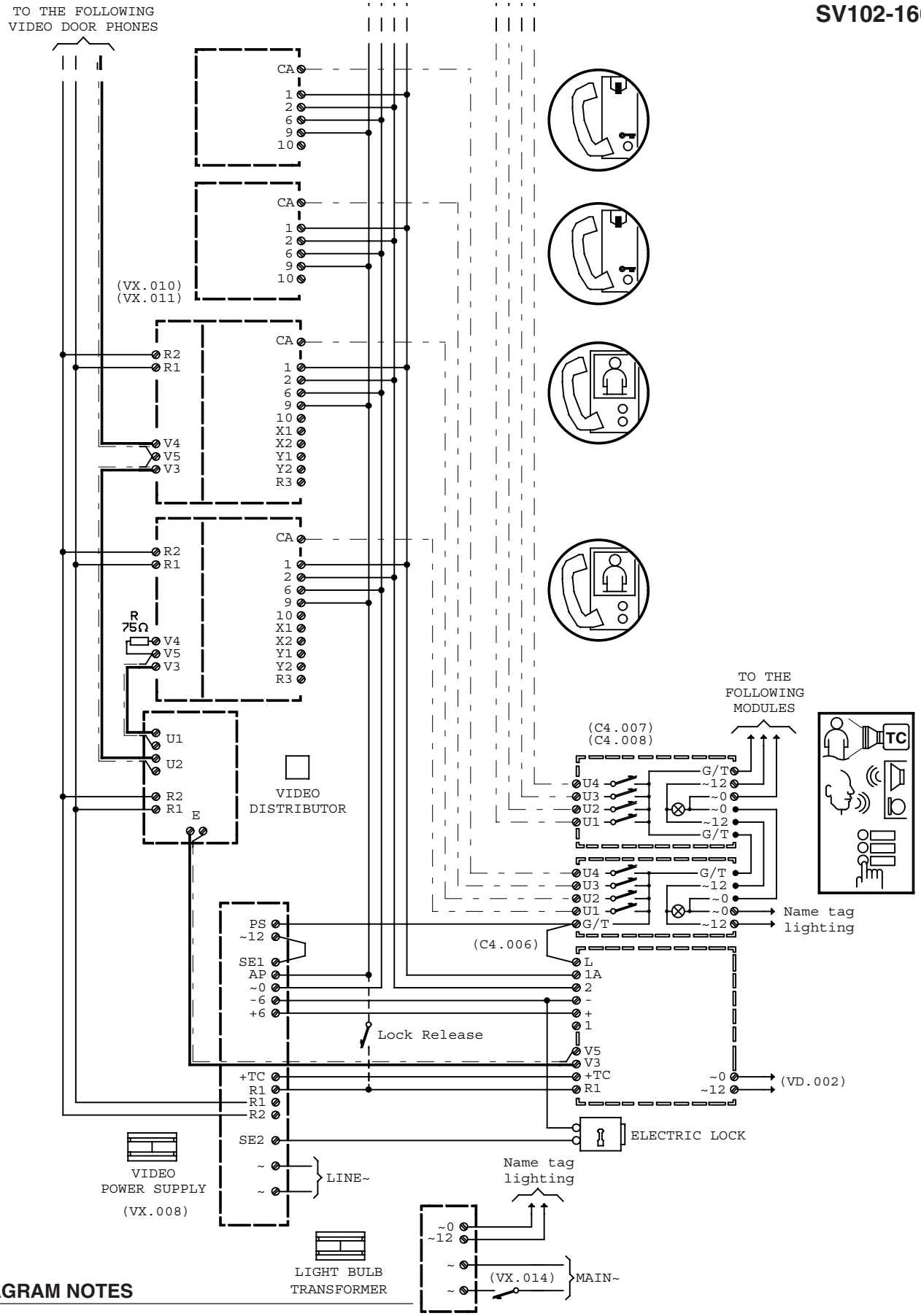


DIAGRAM NOTES

(see section 1)

VX.003 VX.008 VX.010 VX.011

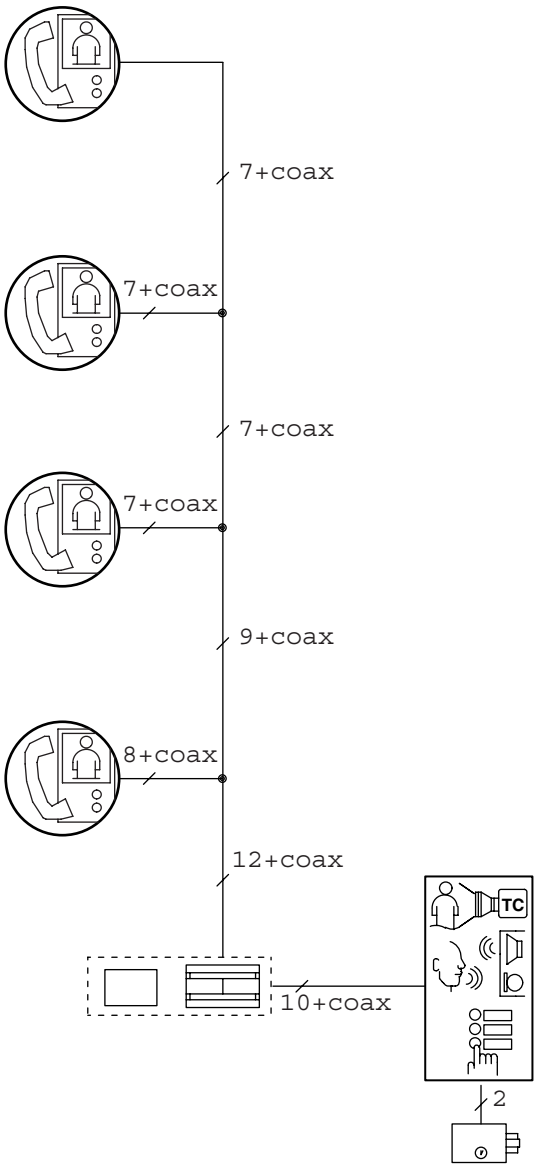
coax

CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION
The video outdoor station calls the 4 video door phones in parallel with concurrent power-on

urmet DOMUS

FUNCTION

This system is particularly suited for detached houses where it is necessary to call and activate 4 video door phones concurrently using a single call key.
As the video power supply can power only one video door phone, video door phones 2, 3 and 4 must be powered with a local power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2066D:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. 4	Video door phones	**Ref. 1702/1**
N. 4	Bracket	**Ref. 1202/90**

or

Artico model

N. 4	Video door phones	**Ref. 1705/1**
N. 4	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module with camera and door unit	**Ref. 1745/81**

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 with camera and door unit	**Ref. 1755/81**

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 1 button	**Ref. 725/101**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. 1	Button	**Ref. 1128/1-/2**
N. X	Blank module	**Ref. 1128/30-/31**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Power supply (2)	**Ref. 789/3**
N. 1	Video distributor	**Ref. 1794/4A**
N. 1	Power supply (1)	**Ref. 789/2**

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CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION
The video outdoor station calls the 4 video door phones in parallel with concurrent power-on

coax

SV102-2066D

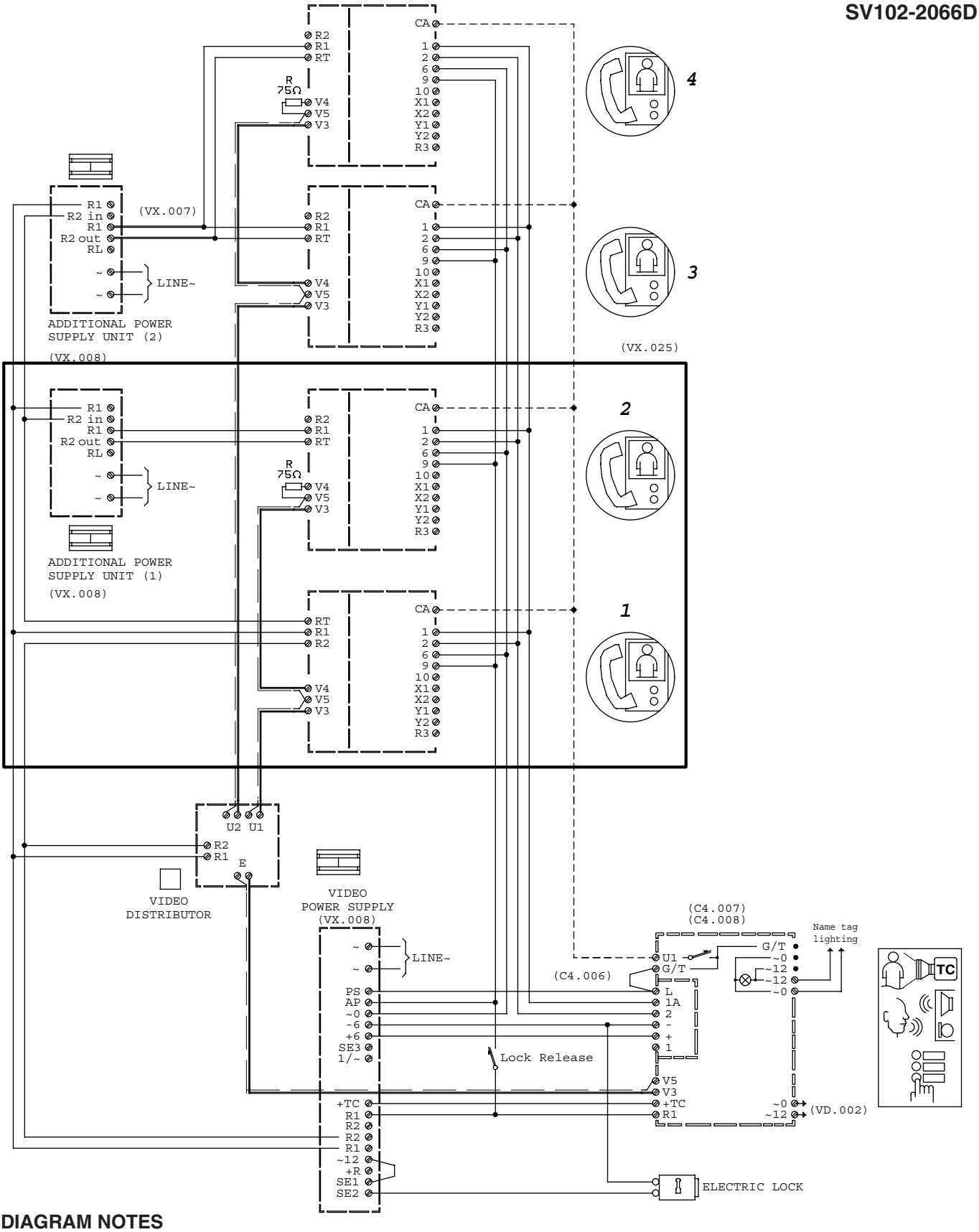


DIAGRAM NOTES

(see section 1)
C4.006
Sinthesi models only:
Connect jumper L with G/T

VX.003 VX.008 VX.023 VX.025

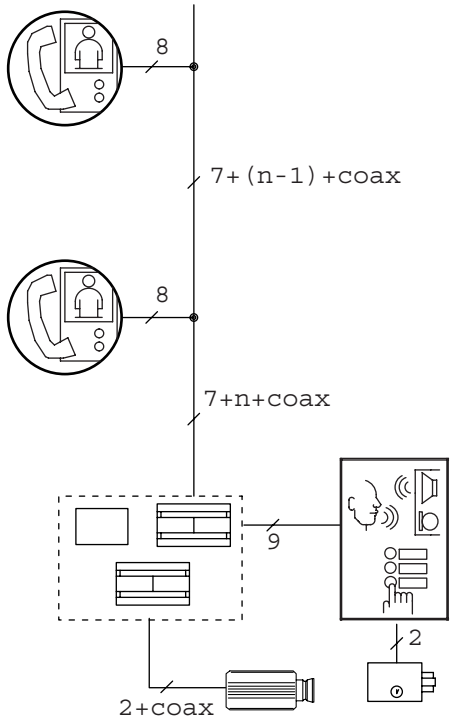
coax

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 OUTDOOR STATION EQUIPPED WITH A SEPARATE CCD TV CAMERA
Possibility of automatic connection by the video door phones to the TV camera

urmet DOMUS

FUNCTION

This system allows connection between the video outdoor station and the various video door phones situated in the apartments.
When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding video door phone loudspeaker and, after about 7 seconds, the image appears on the screen.
At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key.
Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second video door phone is called before the end of the 60 seconds, the first video door phone will automatically go off and the latter comes on.
This feature guarantees secrecy of vision.
Press button on the video door phone to switch on the camera also without having received a call.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3118C:

VIDEO DOOR PHONE REFERENCES

BLACK/WHITE

Atlantico model
N. X Video door phones **Ref. 1702/1**
N. X Bracket **Ref. 1202/90**

or

Artico model
N. X Video door phones **Ref. 1705/1**
N. X Bracket **Ref. 1705/90**

COLOUR

Atlantico model
N. X Video door phones **Ref. 1702/40**
N. X Bracket **Ref. 1202/90**

or

Utopia model
N. X Video door phones direct vision **Ref. 1703/1**
N. X Bracket **Ref. 1704/90**

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-/22**
N. 1 Amplified door unit **Ref. 1145/500**

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. 1155/20-/21-/22A**

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 Panels with N buttons **Mod. 725**
N. 1 Amplified door unit **Ref. 1128/500**

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.

or

1128 model
N. 1 Front case for door unit **Ref. 1128/20-/21**
N. 1 Door unit **Ref. 1128/500**
N. X Front case **Ref. 1128/10-/11**
N. X Button **Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1 Video power supply **Ref. 789/5B**
N. 1 Relay box **Ref. 788/52**
N. 1 Video distributor **Ref. 1794/4A**

DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008
VX.003 VX.008
VX.010 VX.011
VX.012 VX.014

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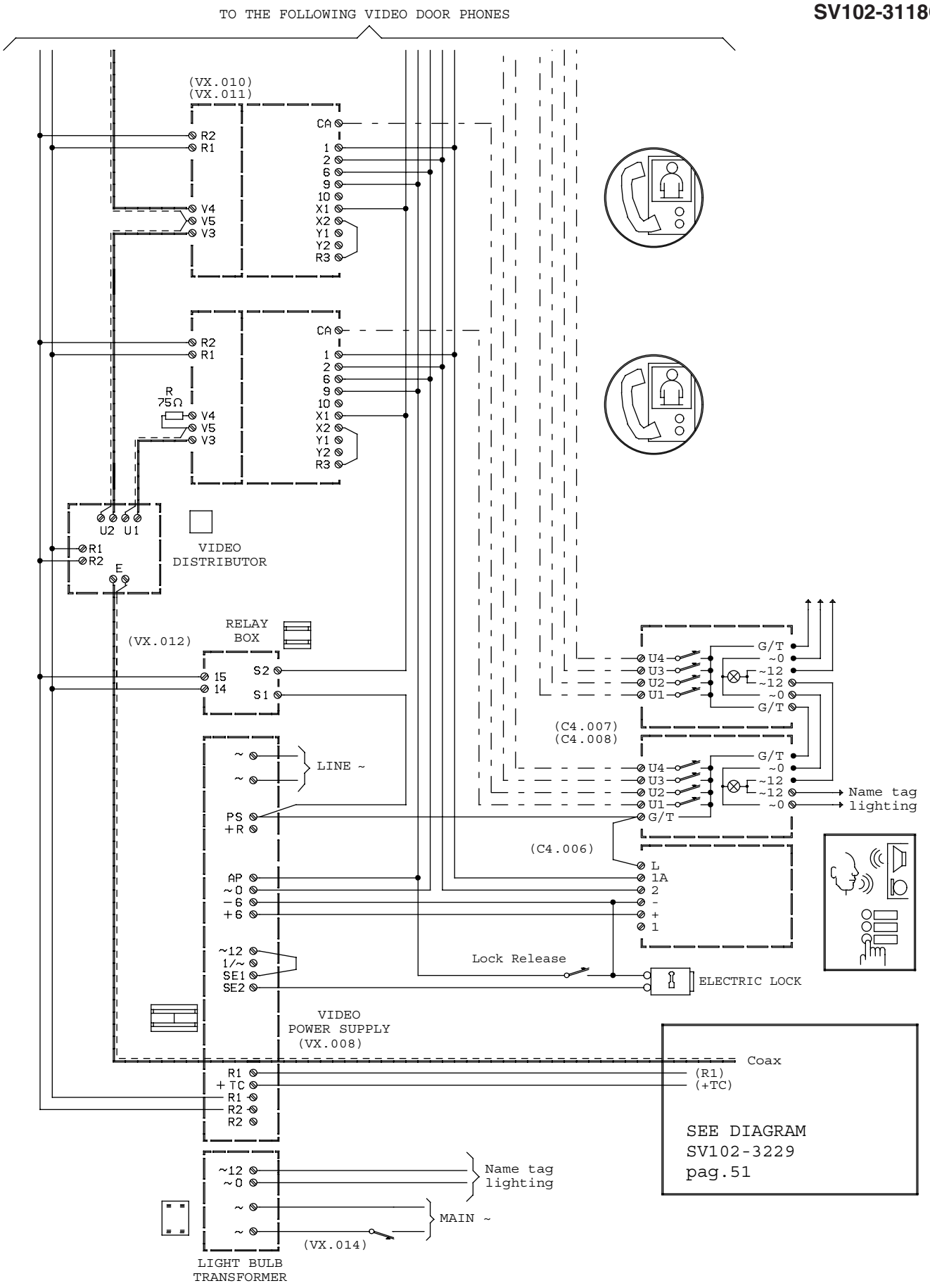
CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 OUTDOOR STATION EQUIPPED WITH A SEPARATE CCD TV CAMERA

Possibility of automatic connection by the video door phones to the TV camera

coax

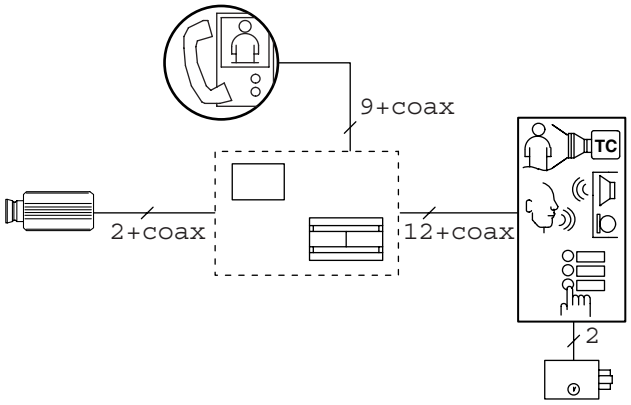
SV102-3118C



CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION
Possibility of automatic activation of a second control tv camera

FUNCTION

This system is particularly suitable in one-family villas. The video door phone, besides being connected to a TV camera unit, can self-insert on a secondary control TV camera by pressing the service button ◇.
An internal closed TV circuit system is thus made, which allows the control of a room (i.e. children's room) and the outside entrance at any time.
The secondary TV camera is turned on for about a minute, after which it automatically turns off. In any case, a call from the video outdoor station automatically switches the video door phone to the external TV camera unit thus excluding the second TV camera; in order to reset the latter, it is sufficient to press the service key ◇ when the conversation with the video outdoor station is over.
With the other service key ◯ it is possible to self-insert also on the video outdoor station.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3119A:

VIDEO DOOR PHONE REFERENCES

BLACK/WHITE

Atlantico model
N. 1 Video door phones **Ref. 1702/1**
N. 1 Bracket **Ref. 1202/90**

or

Artico model
N. X Video door phones **Ref. 1705/1**
N. X Bracket **Ref. 1705/90**

COLOUR

Atlantico model
N. 1 Video door phones **Ref. 1702/40**
N. 1 Bracket **Ref. 1202/90**

or

Utopia model
N. 1 Video door phones direct vision **Ref. 1703/1**
N. 1 Bracket **Ref. 1704/90**

or

Utopia free-hands model
N. 1 Video door phones direct vision **Ref. 1703/2**
N. 1 Bracket **Ref. 1704/91**

VIDEO OUTDOOR STATION REFERENCES

BLACK/WHITE

Sinthesi model
N. 1 Module with camera and door unit **Ref. 1745/81**

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 with camera and door unit **Ref. 1755/81**

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 1 button **Ref. 725/101**
N. 1 Amplified door unit **Ref. 1128/500**
N. 1 Camera **Ref. 725/600**
N. 1 Front plate **Ref. 725/601**

For the panels references and the accessories refer to "Panels with anodized Aluminium front plate Mod. 725" section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model
N. 1 Front case for video door unit **Ref. 1728/20-/21**
N. 1 Door unit with camera **Ref. 1728/80**
N. 1 Button **Ref. 1128/1-/2**
N. X Blank module **Ref. 1128/30-/31**

For boards of accessories refer to "Wall Mounted Panel Mod. 1128" section of Doorphone and Videodoorphone system product technical manual.

COLOUR

Sinthesi model
N. 1 Module with camera and door unit **Ref. 1745/41**

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 with camera and door unit **Ref. 1755/40**
N. 1 Module with door unit **Ref. 1155/21**

The panels must be installed in flush-mounting boxes with module holder frames or in cases with hood for wall-mounted versions. Refer to "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 Relay **Ref. 788/51**

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CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION
Possibility of automatic activation of a second control tv camera

coax

SV102-3119A

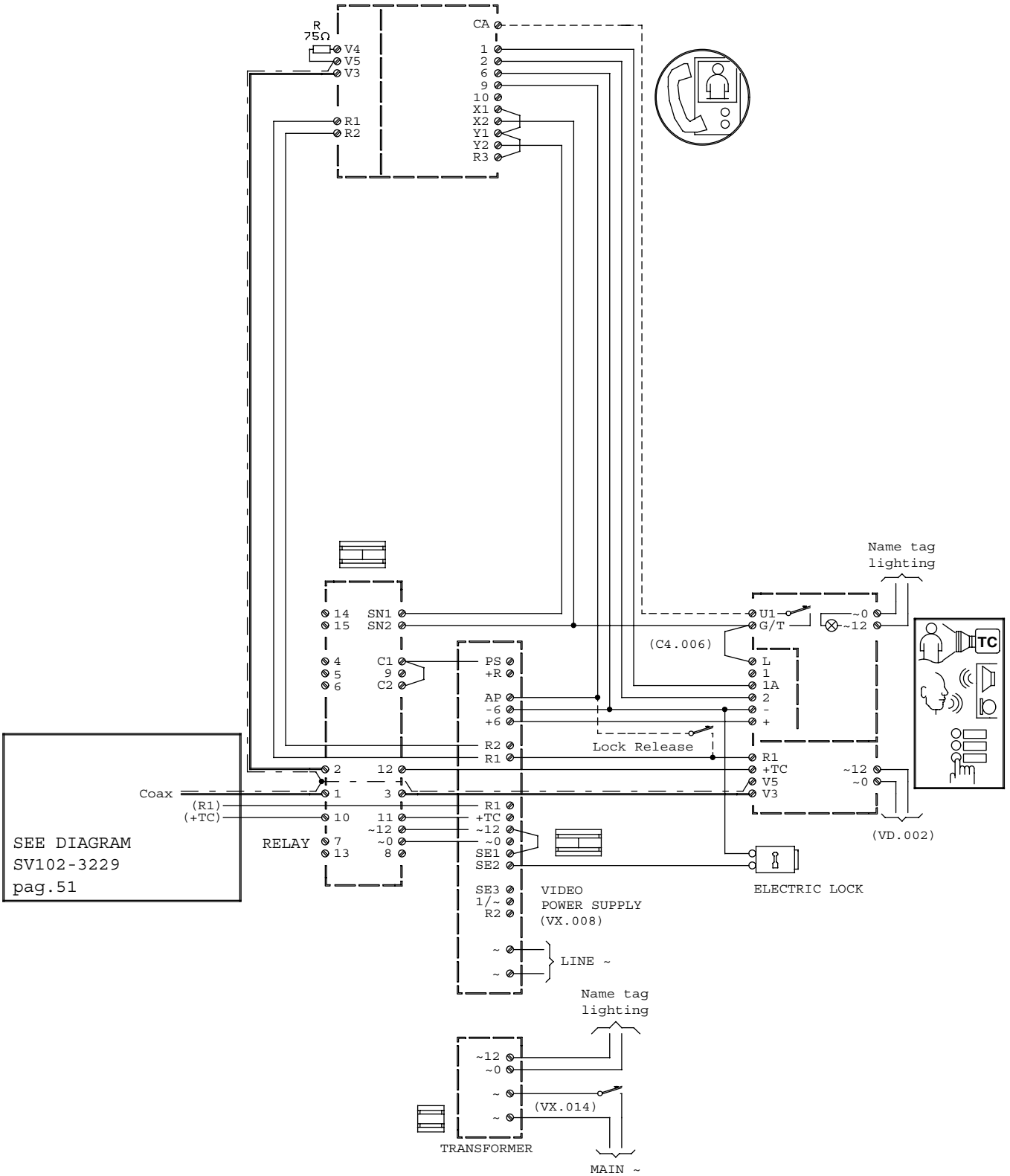


DIAGRAM NOTES

(see section 1)

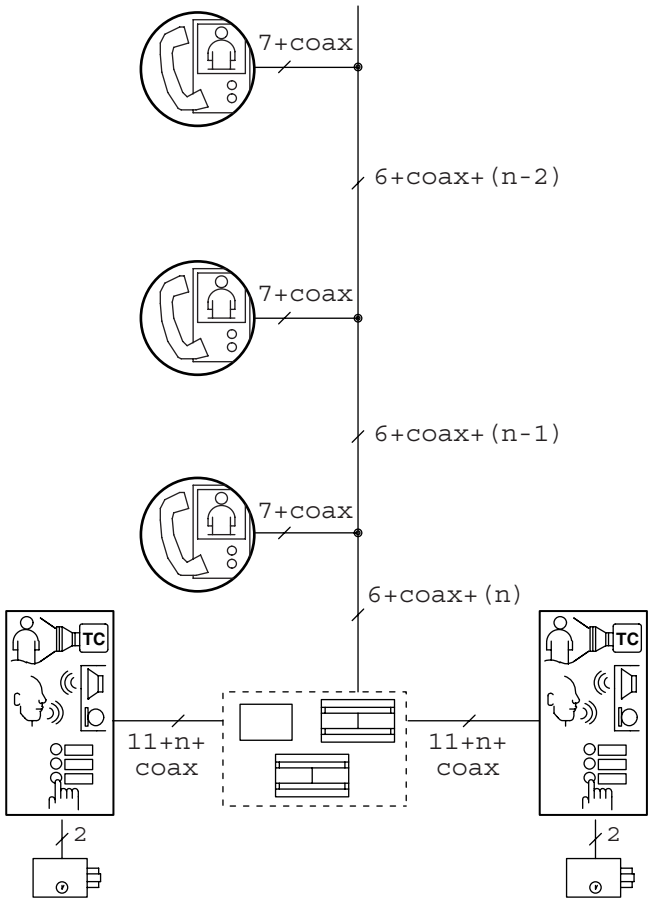
C4.006
Sinthesi models only:
Connect jumper L with G/T

VX.003 VX.008 VX.014

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS

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 SV102-2892D:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 2	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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. 2	Module with camera and door unit	**Ref. 1755/80**

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. 2	Panel with N buttons	**Mod. 725**
N. 2	Amplified door unit	**Ref. 1128/500**
N. 2	Camera	**Ref. 725/600**
N. 2	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 2	Front case for video door unit	**Ref. 1728/20-/21**
N. 2	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Relay box	**Ref. 788/51**
N. 1	Video distributor	**Ref. 1794/4A**

urmet DOMUS

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS

coax

SV102-2892D

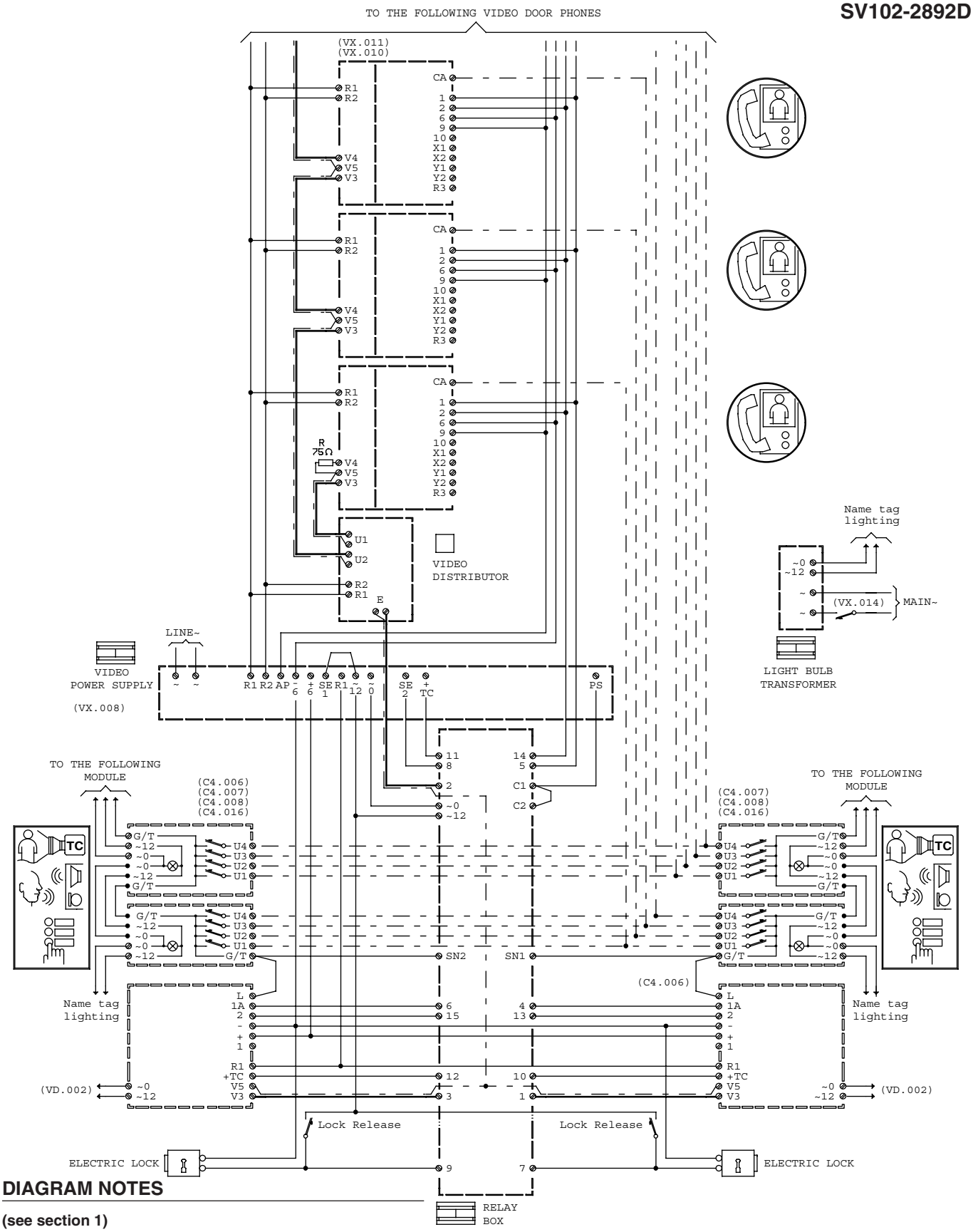


DIAGRAM NOTES

(see section 1)

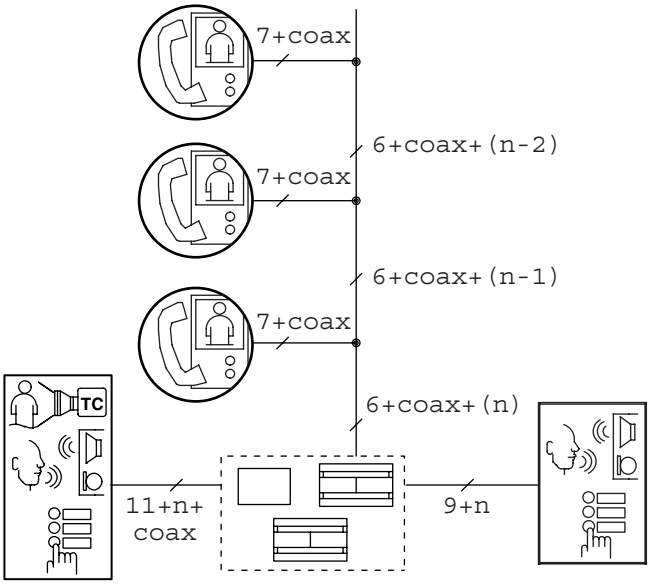
C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 C4.016 VD.002
VX.003 VX.008 VX.010 VX.011 VX.014

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

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 thcamera 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 SV102-2934C:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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 camera and door unit	**Ref. 1755/80**

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	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” 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-/22**
N. 1	Amplified door unit	**Ref. 1145/500**

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. 1155/20-/21-/22A**

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	Panels with N buttons	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**

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.

or

1128 model

N. 1	Front case for door unit	**Ref. 1128/20-/21**
N. 1	Door unit	**Ref. 1128/500**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

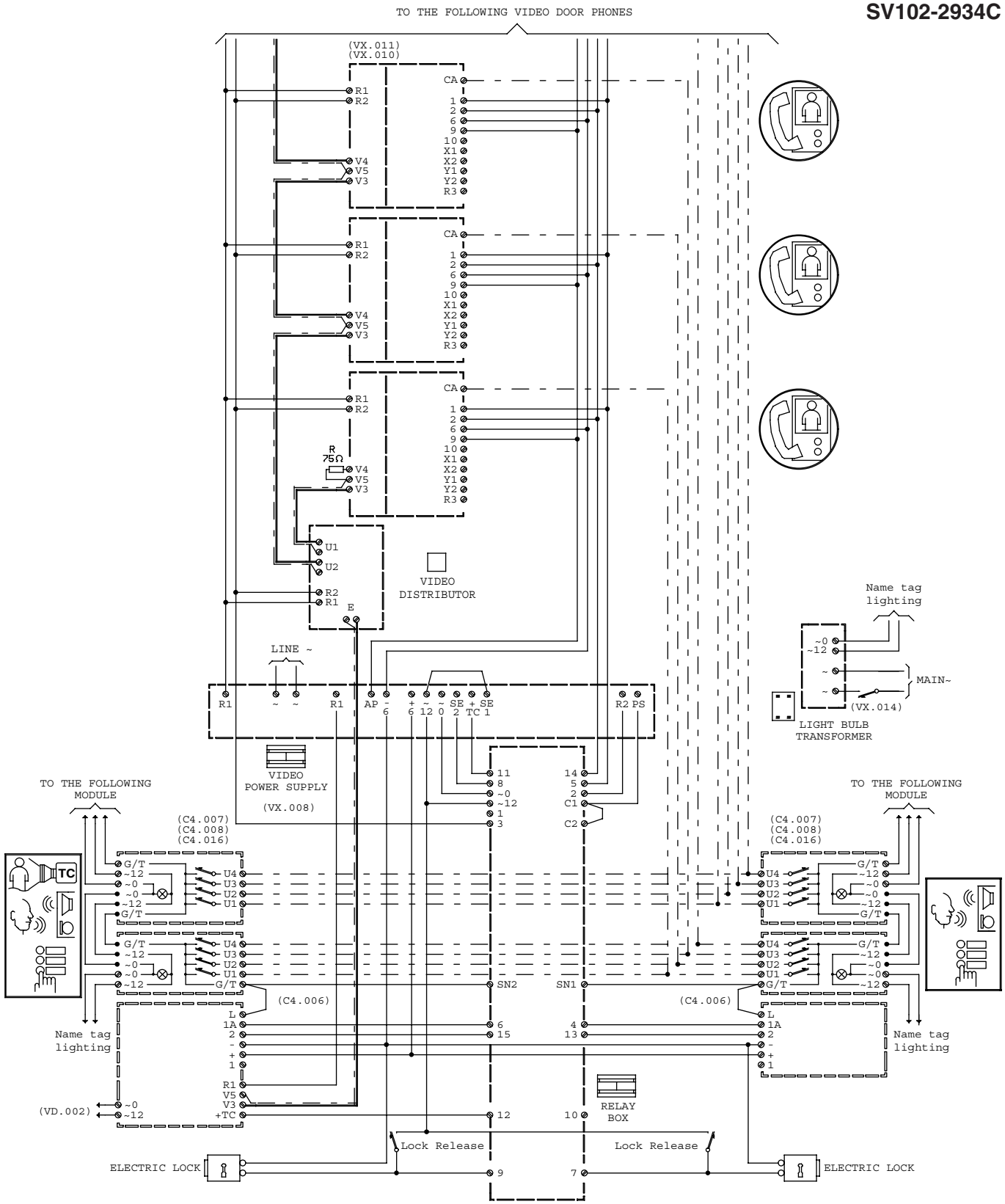
For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

urmet DOMUS

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

coax

SV102-2934C



POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Relay box	**Ref. 788/51**
N. 1	Video distributor	**Ref. 1794/4A**

DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 C4.016 VD.002 VX.008 VX.010 VX.011 VX.014

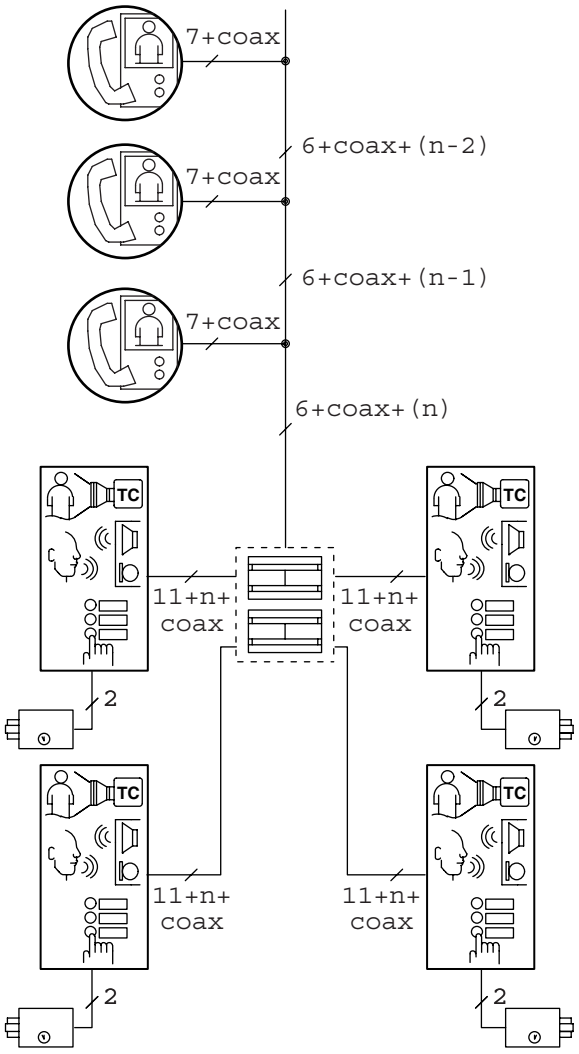
coax

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 4 VIDEO OUTDOOR STATIONS

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 SV102-3078B:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 4	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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. 4	Module with camera and door unit	**Ref. 1755/80**

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. 4	Panel with N buttons	**Mod. 725**
N. 4	Amplified door unit	**Ref. 1128/500**
N. 4	Camera	**Ref. 725/600**
N. 4	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 4	Front case for video door unit	**Ref. 1728/20-/21**
N. 4	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Relay box	**Ref. 788/54**

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 4 VIDEO OUTDOOR STATIONS

SV102-3078B

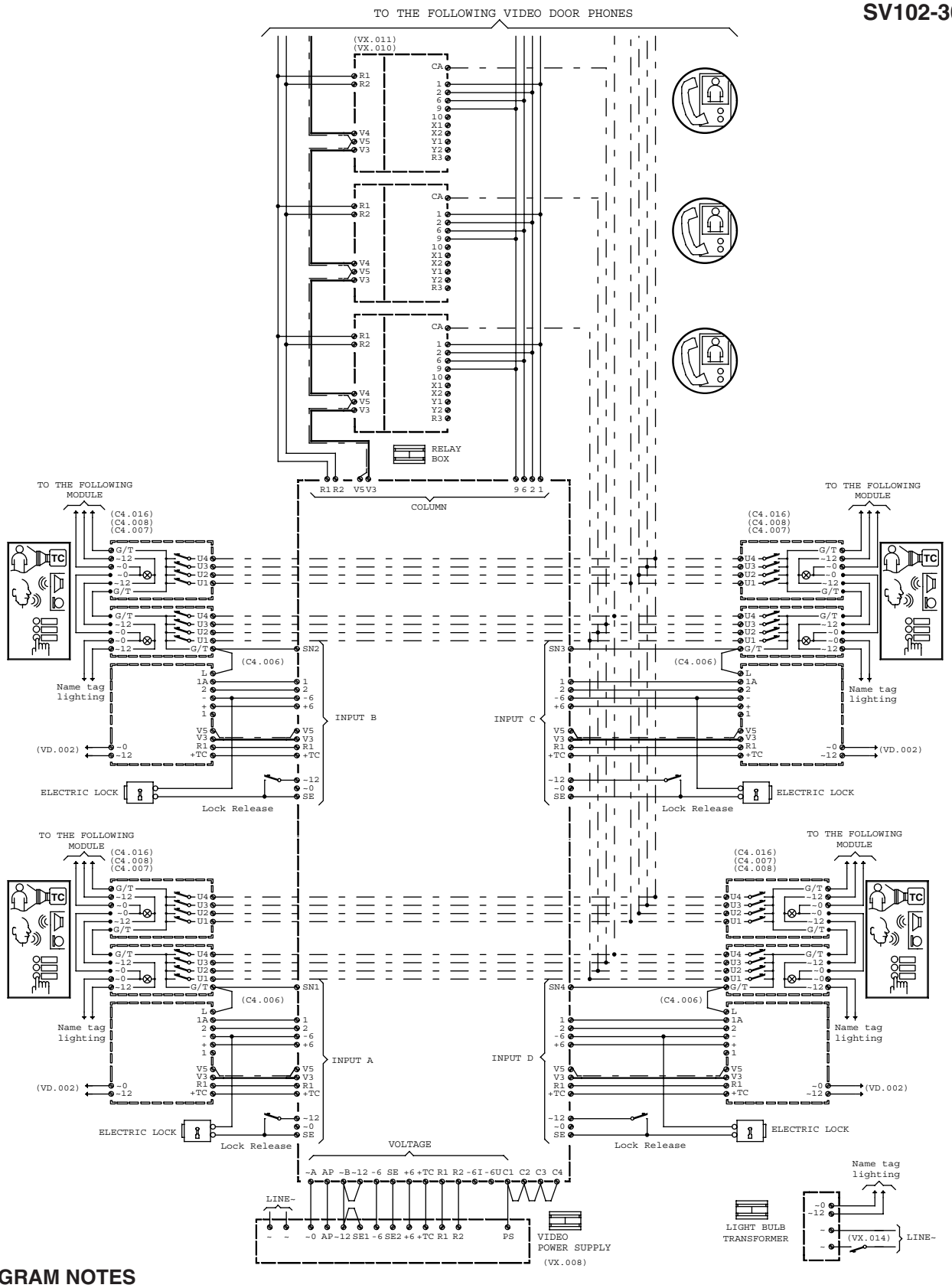


DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 C4.016 VD.002
VX.003 VX.008 VX.010 VX.011 VX.014

coax

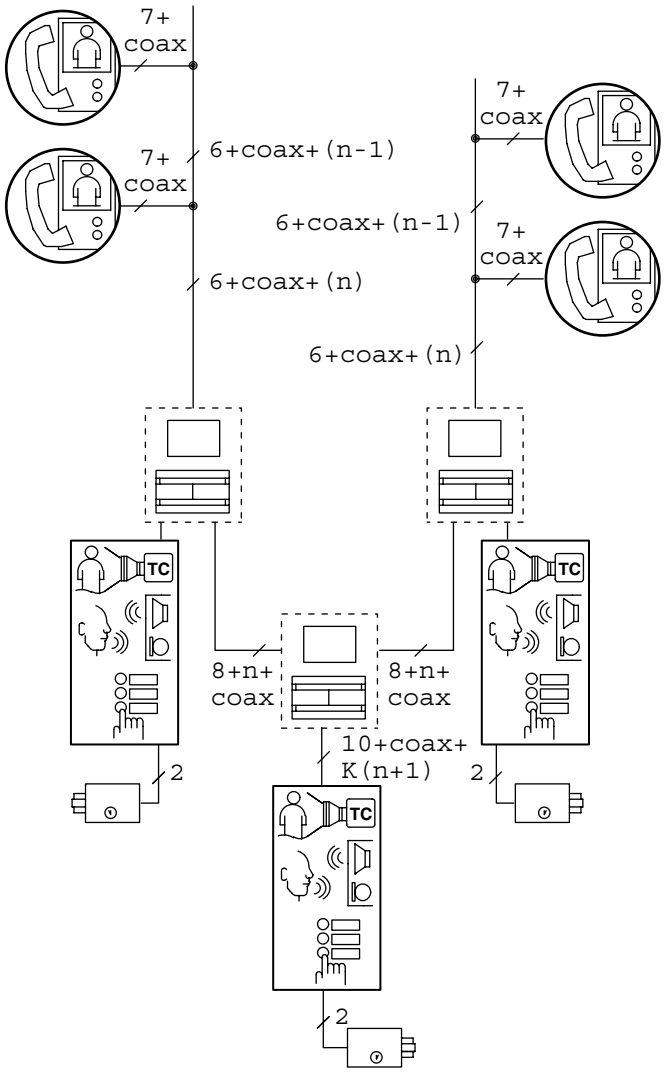
CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO A MAIN VIDEO OUTDOOR STATION
Each column is connected to 1 proper secondary video outdoor station

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.



K= quantity of columns

EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3079A:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. K+1	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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. K+1	Module with camera and door unit	**Ref. 1755/80**

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. K+1	Panel with N buttons	**Mod. 725**
N. K+1	Amplified door unit	**Ref. 1128/500**
N. K+1	Camera	**Ref. 725/600**
N. K+1	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. K+1	Front case for video door unit	**Ref. 1728/20-/21**
N. K+1	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. K+1	Video power supply	**Ref. 789/5B**
N. K+1	Relay box	**Ref. 788/51**
>1	Video distributor	**Ref. 1794/4A**

urmet DOMUS

CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO A MAIN VIDEO OUTDOOR STATION
Each column is connected to 1 proper secondary video outdoor station

coax

SV102-3079A

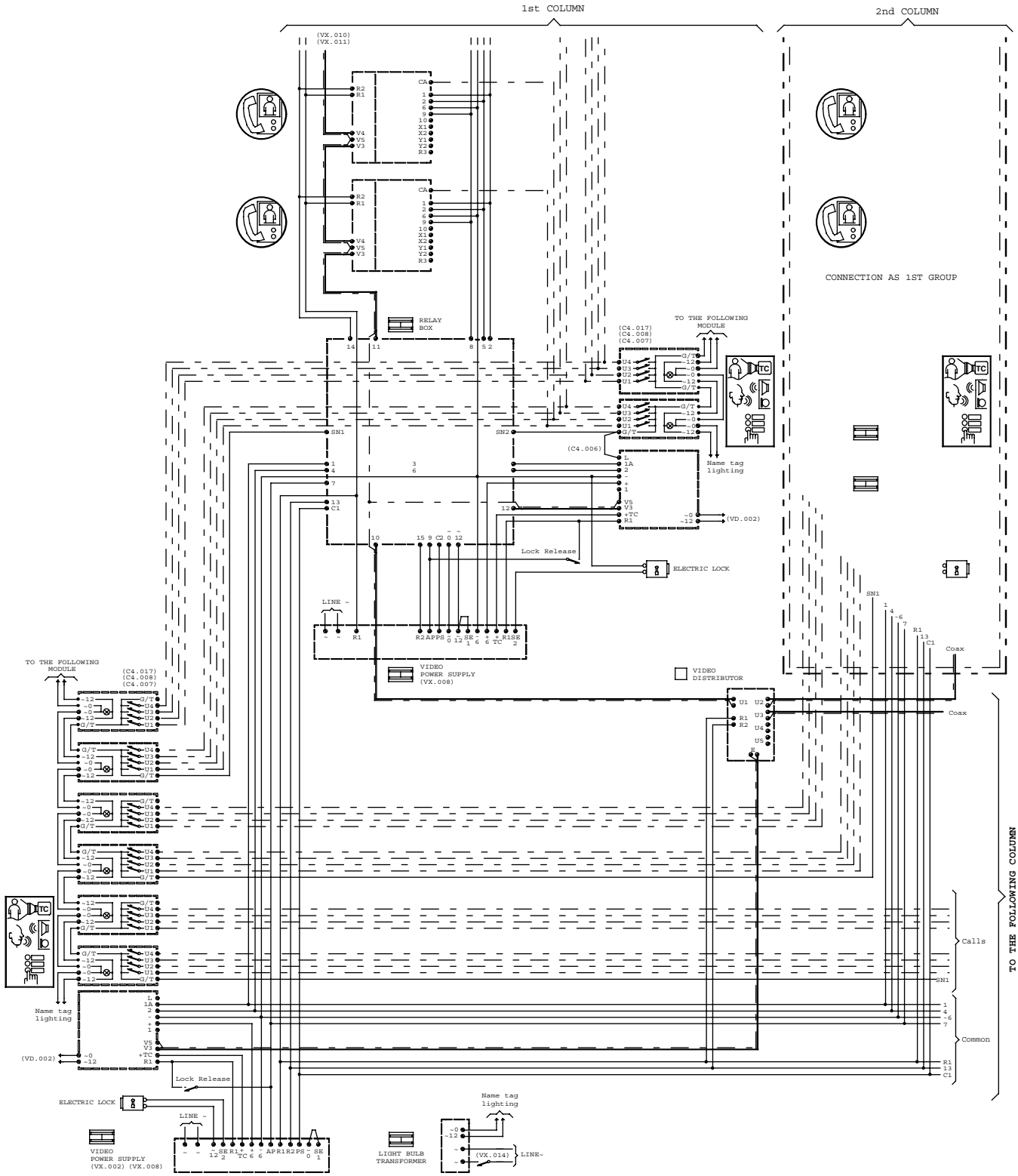


DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

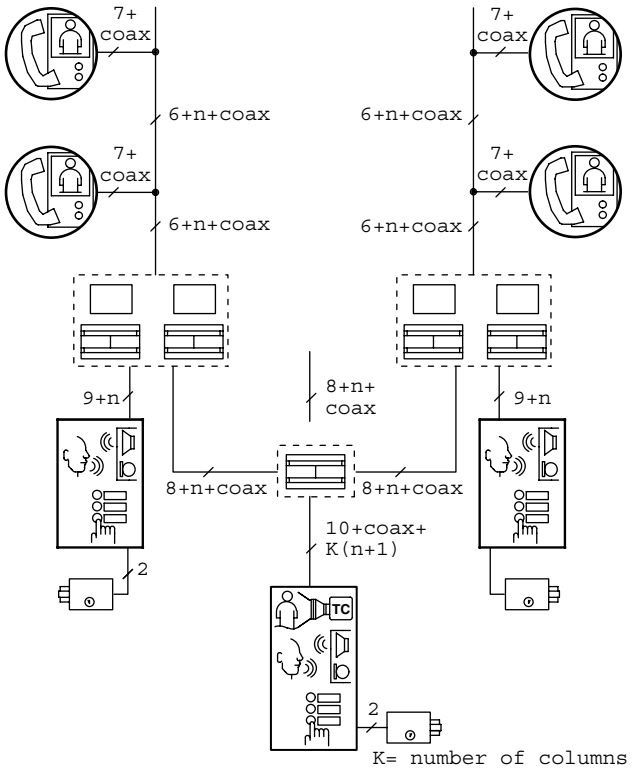
C4.007 C4.008 C4.017 VD.002
VX.001 VX.002 VX.003 VX.008 VX.014

CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO 1 MAIN VIDEO OUTDOOR STATION
Each columns is also connected to its own secondary outdoor station

FUNCTION

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

During calling the interested 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 outdoor stations are independent, so that they can 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 the secondary.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2935E:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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 camera and door unit	**Ref. 1755/80**

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	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” 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. K+1	Module with door unit set-up	**Ref. 1145/20-/21-/22**
N. K+1	Amplified door unit	**Ref. 1145/500**

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. K+1	Module with door unit	**Ref. 1155/20-/21-/22A**

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. K+1	Panels with N buttons	**Mod. 725**
N. K+1	Amplified door unit	**Ref. 1128/500**

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.

or

1128 model

N. K+1	Front case for door unit	**Ref. 1128/20-/21**
N. K+1	Door unit	**Ref. 1128/500**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

urmet DOMUS

CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO 1 MAIN VIDEO OUTDOOR STATION
Each columns is also connected to its own secondary outdoor station

coax

SV102-2935E

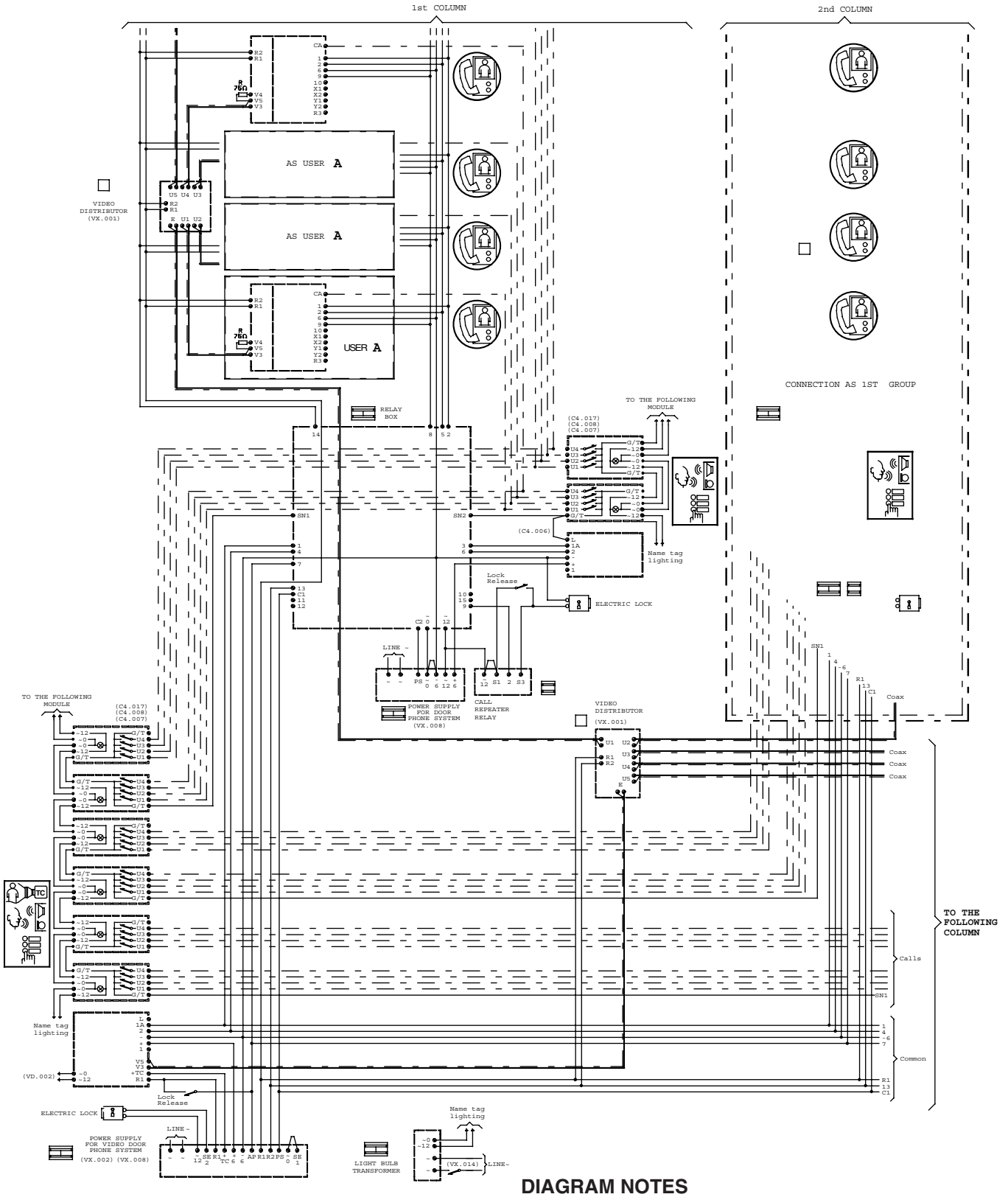


DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 VD.002 VX.001
VX.002 VX.008 VX.014 VX.034

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. K	Door phone power supply	**Ref. 786/11**
N. K	Relay box	**Ref. 788/51**
N. K	Call repeater relay	**Ref. 788/52**
>1	Video distributor	**Ref. 1794/4A**

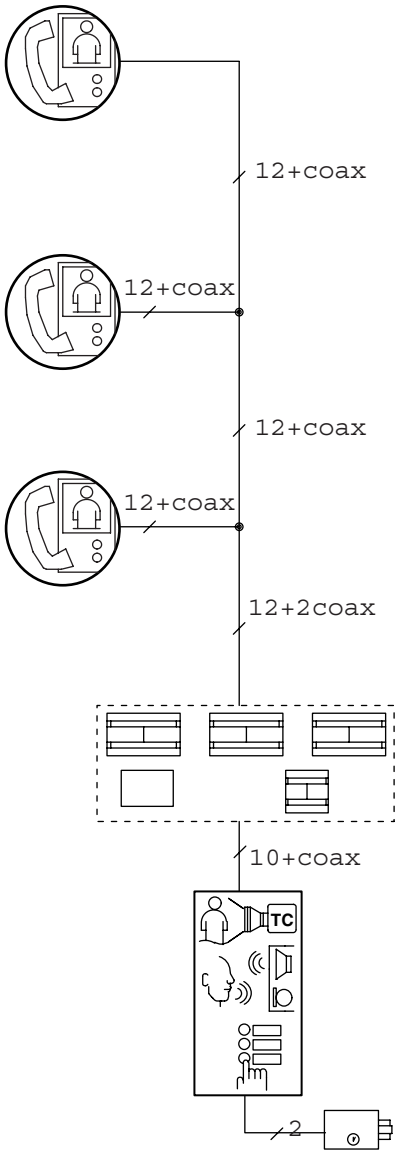
CONNECTION OF 3 INTERCOM VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT
Single call from outside with concurrent power-on

FUNCTION

This system is particularly suited for detached houses where the video door phones provide the intercom service and can also be called at the same time in parallel by the video outdoor station. Switching from one service to another is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded.
If a call is made from the video outdoor station during an intercom conversation, all the video door phones are automatically switched to the outside.

Extra buzzers are used for intercom calls; for external calls from the video outdoor station, the two-tone electronic call is sent to the loudspeaker of the handset of the video door phone concerned.
The ◯ and ◇ service keys are used for intercom calls.
When the video door phones are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key.
Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2970D:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. 3	Video door phones	**Ref. 1702/1**
N. 3	Bracket	**Ref. 1202/90**

or

Artico model

N. 3	Video door phones	**Ref. 1705/1**
N. 3	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module with camera and door unit	**Ref. 1745/81**

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 with camera and door unit	**Ref. 1755/81**

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 1 button	**Ref. 725/101**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. 1	Button	**Ref. 1128/1-/2**
N. X	Blank module	**Ref. 1128/30-/31**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Power supply	**Ref. 789/3**
N. 1	Impedance generator	**Ref. 789/51**
N. 1	Video distributor	**Ref. 1794/4A**
N. 3	Extra Buzzer	**Ref. 9854/52**
N. 1	Kit of 10 diodes	**Ref. 1131/4**
N. 1	Relay box	**Ref. 788/51**

urmet DOMUS

CONNECTION OF 3 INTERCOM VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT

Single call from outside with concurrent power-on

coax

SV102-2970D

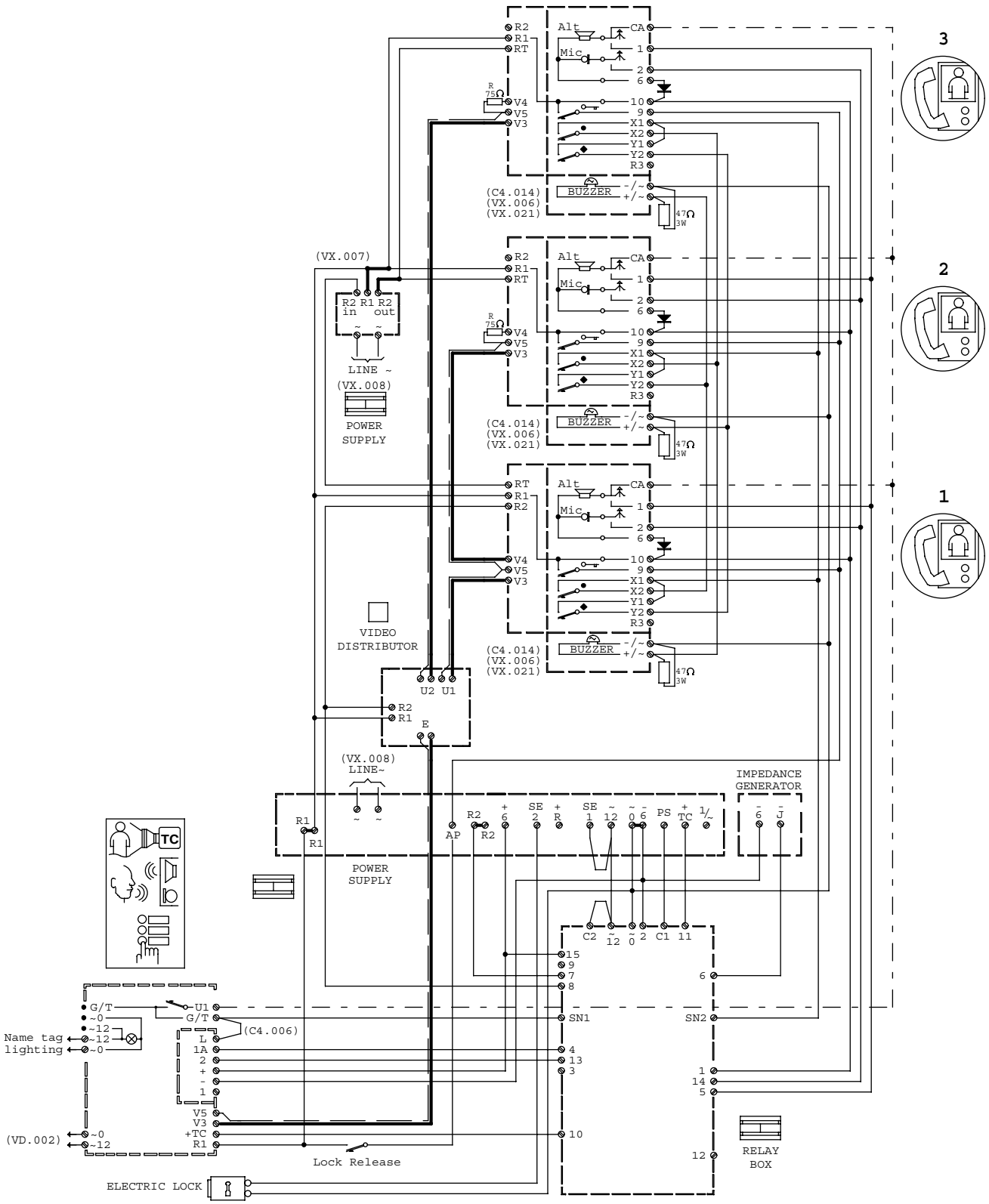


DIAGRAM NOTES

(see section 1)

C4.014 VX.003 VX.006 VX.007 VX.008

VX.021
Cut or remove the jumpers on the device(s): 6 – 10.

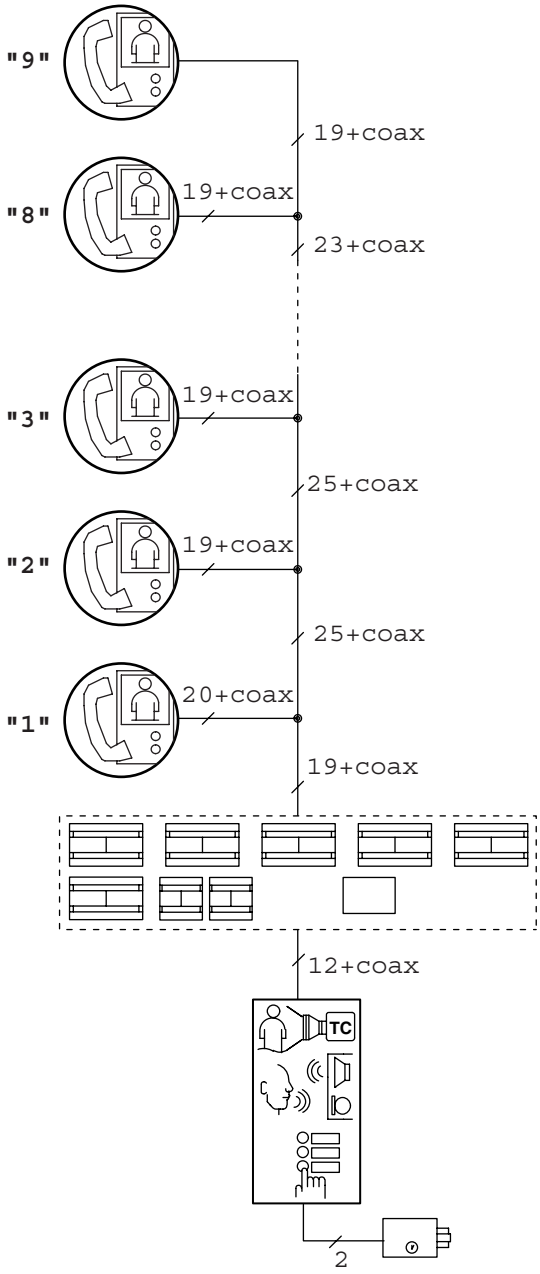
CONNECTION OF MAXIMUM 9 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT
Single call from the outside with concurrent power-on

FUNCTION

This system is particularly suited for detached houses where the video door phones provide the intercom service and can also be called at the same time in parallel by the video outdoor station.

Switching from one service to another is automatic and is assured during the call phase by a relay device.
When the intercom service is activate, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded.
If a call is made from the video outdoor station during an intercom conversation, all the video door phones are automatically switched to the outside.

Extra buzzers are used for external calls from the video outdoor station; for intercom calls, the two-tone electronic call is sent to the loudspeaker of the handset of the video door phone concerned.
When the video door phones are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key.
Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2972D:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. 9	Video door phone	**Ref. 1702/1**
N. 9	Bracket with 8 Button add-on	**Ref. 1702/86**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module with camera and door unit	**Ref. 1745/81**

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 with camera and door unit	**Ref. 1755/81**

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 1 button	**Ref. 725/101**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. 1	Button	**Ref. 1128/1-/2**
N. X	Blank module	**Ref. 1128/30-/31**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

VARIOUS

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Power supply (2)	**Ref. 789/2**
N. 2	Power supply (1)	**Ref. 789/3**
N. 1	Impedance generator	**Ref. 789/51**
N. 1	Relay box	**Ref. 788/51**
N. 1	Call repeater relay	**Ref. 788/52**
N. 1	Video distributor	**Ref. 1794/4A**
N. 9	Extra Buzzer	**Ref. 9854/52**
N. 1	Kit of 10 diodes	**Ref. 1131/4**

DIAGRAM NOTES

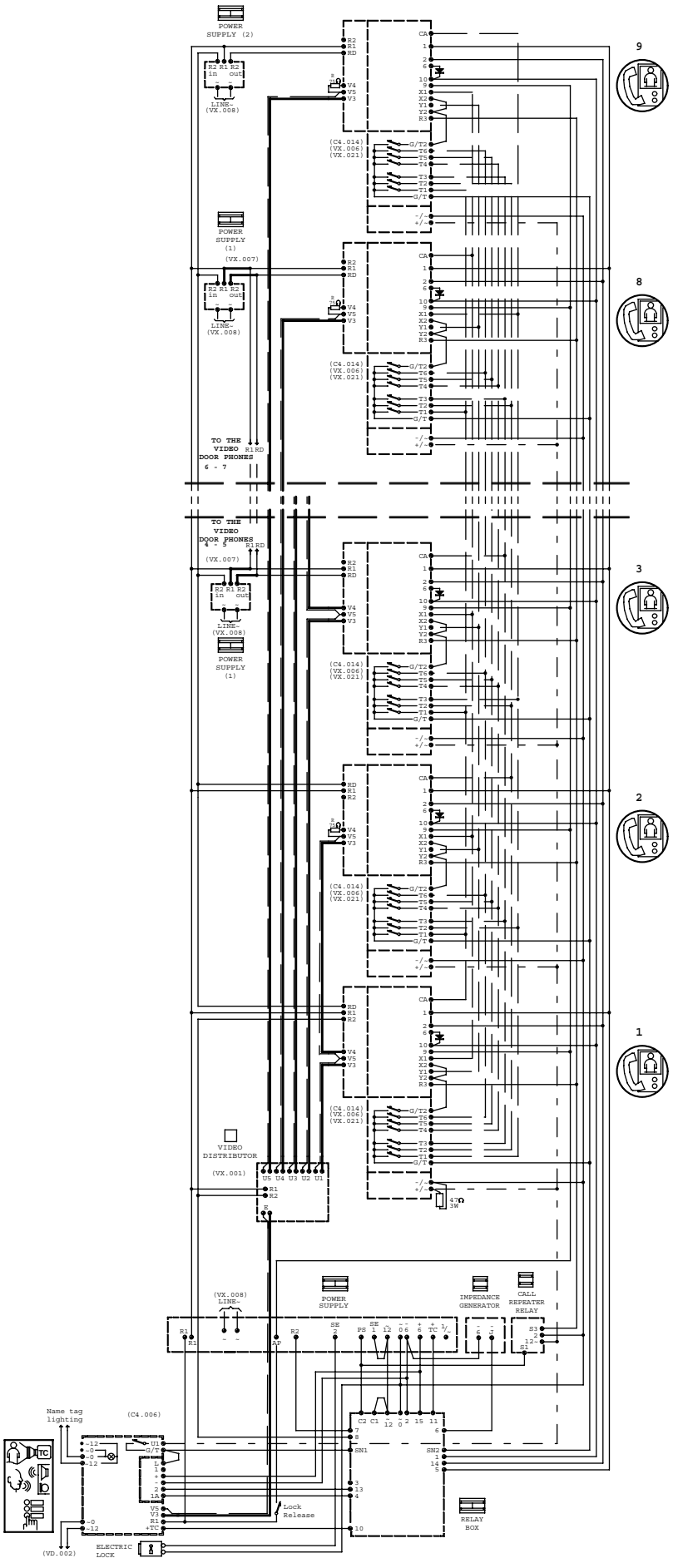
(see section 1)

C4.014 VD.002 VX.001 VX.003 VX.006 VX.007 VX.008

VX.021
Cut or remove the jumpers on the device(s): 6 – 10.

CONNECTION OF MAXIMUM 9 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT
Single call from the outside with concurrent power-on

SV102-2972D



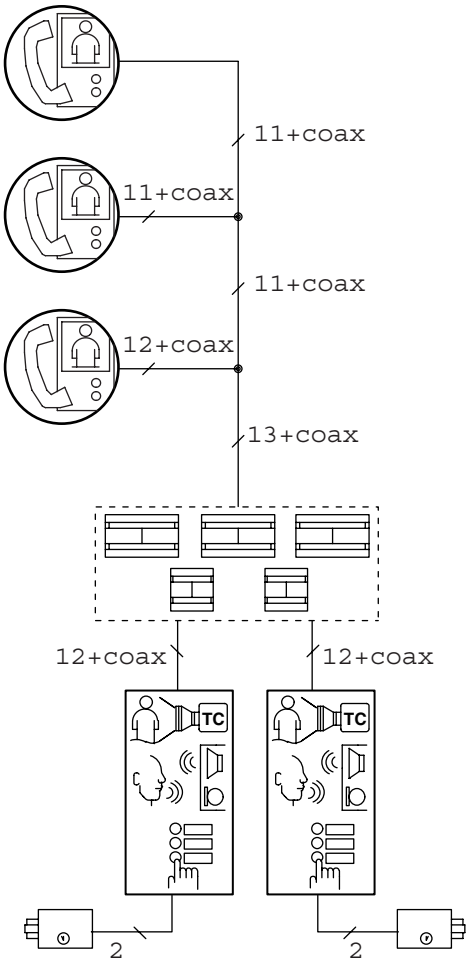
CONNECTION OF 3 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 2 ELECTRICAL VIDEO DOOR UNITS
The video outdoor stations call the video door phones in parallel with concurrent power-on

FUNCTION

The 3 video door phones perform the intercom service and can be called at the same time in parallel by one of the two video outdoor stations.
Switching to the three services is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking units of the video outdoor stations is excluded.
If a call is made from the one of the two video outdoor stations during an intercom conversation, all the video door phones are automatically switched to the entrance from which the call has been sent.
Therefore, concurrent communication with the 2 video outdoor stations is not possible in that either one or the other of these operates alternatively, in mutual exclusion.

Extra buzzers are used for the intercom calls while for those of the video outdoor stations, the two-tone electronic call is sent to the loudspeaker of the handset of the video door phone concerned.
When the video door phones are called in parallel by the one of the two video outdoor stations, they switch on at the same time. At the end of the conversation, only the electric lock of the entrance concerned is released pressing the key.
Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3257A:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. 3	Video door phones	**Ref. 1702/1**
N. 3	Bracket	**Ref. 1202/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 2	Module with camera and door unit	**Ref. 1745/81**

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 with camera and door unit	**Ref. 1755/81**

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. 2	Panel with 1 button	**Ref. 725/101**
N. 2	Amplified door unit	**Ref. 1128/500**
N. 2	Camera	**Ref. 725/600**
N. 2	Front plate	**Ref. 725/601**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 2	Front case for video door unit	**Ref. 1728/20-/21**
N. 2	Door unit with camera	**Ref. 1728/80**
N. 2	Button	**Ref. 1128/1-/2**
N. X	Blank module (*)	**Ref. 1128/30-/31**

(*) for small button installation only

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Supplementary power supply	**Ref. 789/2**
N. 1	Impedance generator	**Ref. 789/51**
N. 1	Relay box (1)	**Ref. 788/54**
N. 1	Relay box (2)	**Ref. 788/52**
N. 1	Video distributor	**Ref. 1794/4A**
N. 3	Extra Buzzer	**Ref. 9854/52**
N. 1	Kit of 10 diodes	**Ref. 1131/4**

urmet DOMUS

CONNECTION OF 3 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 2 ELECTRICAL VIDEO DOOR UNITS
The video outdoor stations call the video door phones in parallel with concurrent power-on

coax

SV102-3257A

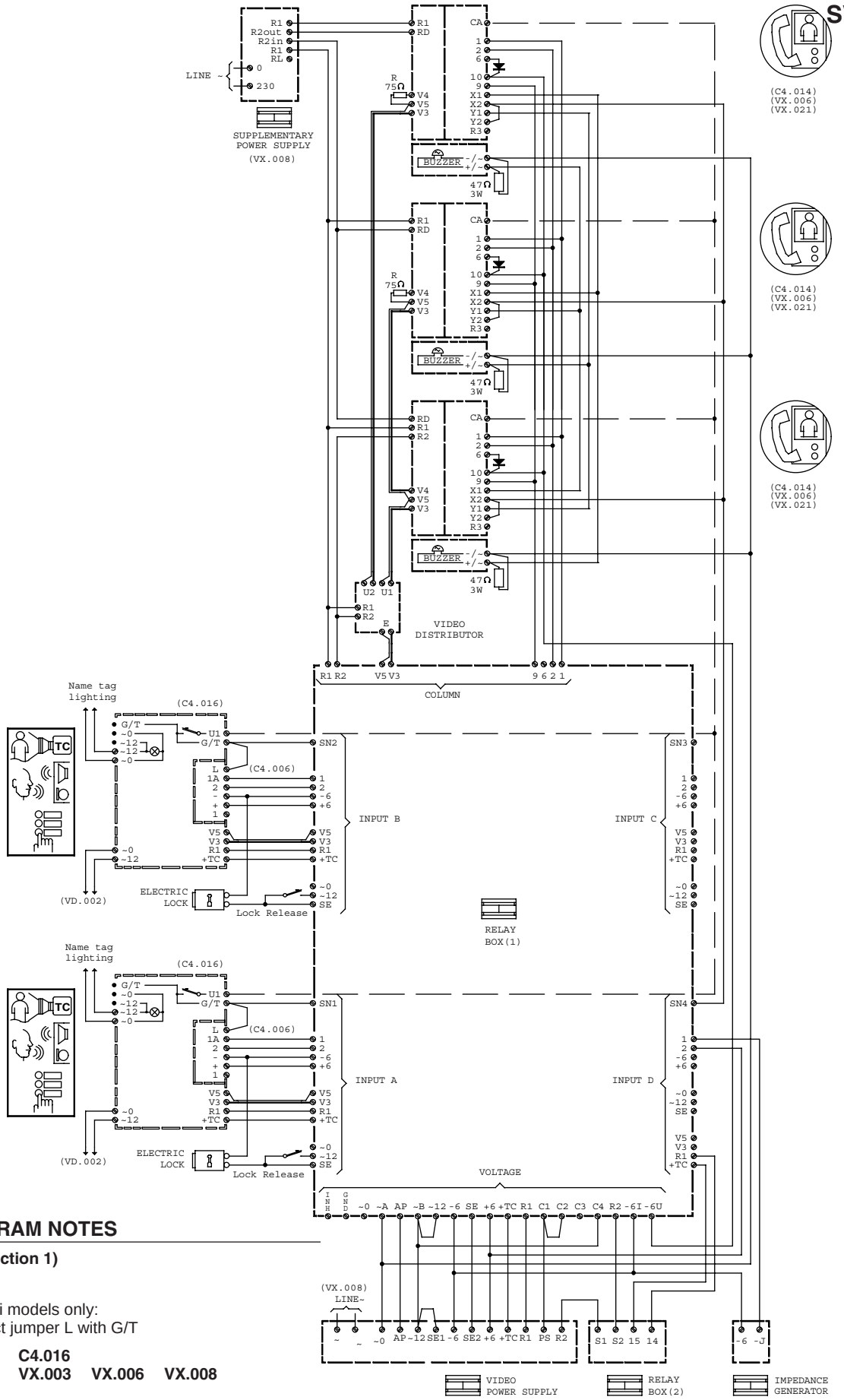


DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

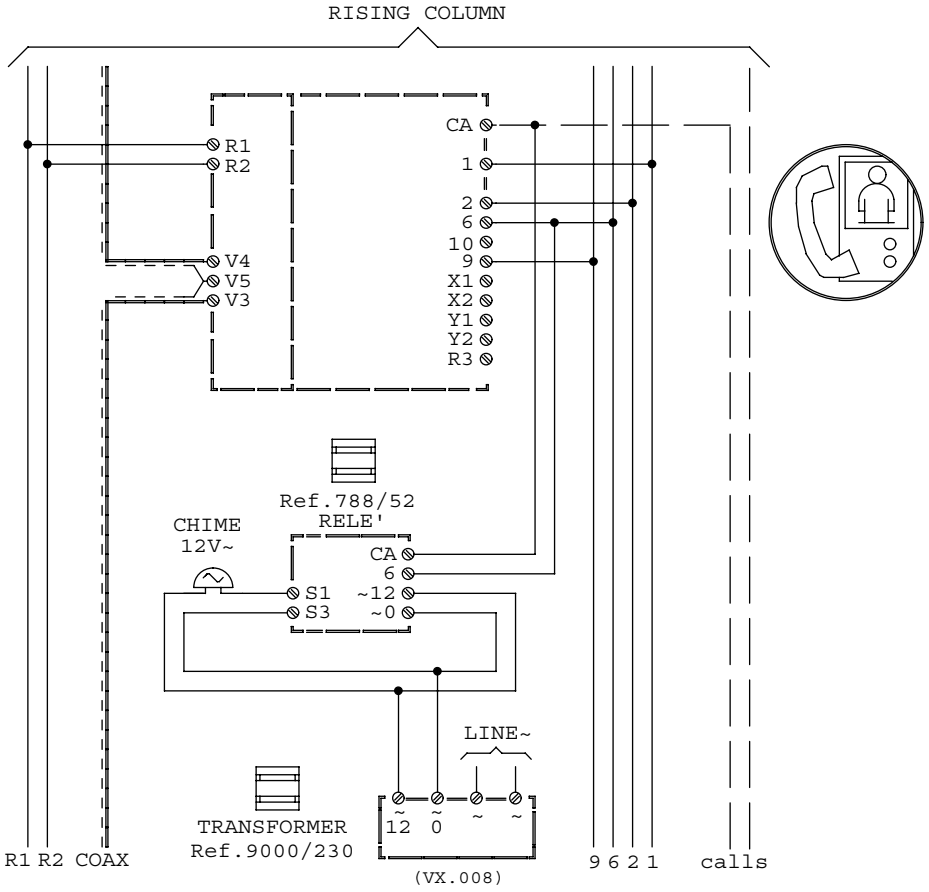
C4.014 C4.016
VD.002 VX.003 VX.006 VX.008

VX.021
Cut or remove the jumpers on the device(s): 6 – 10.

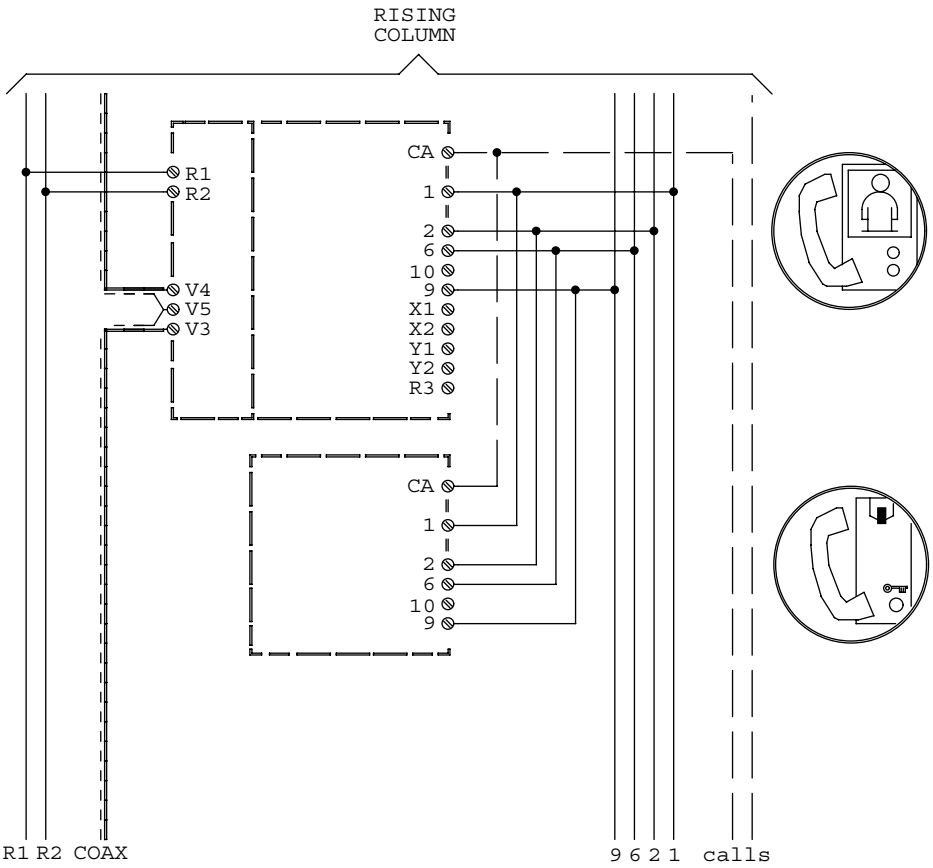
SV102-1469D: CONNECTION OF A CALL REPEATER RELAY IN PARALLEL TO THE VIDEO DOOR PHONE

SV102-1574C: CONNECTION IN PARALLEL OF 1 VIDEO DOOR PHONE AND 1 DOOR PHONE

SV102-1469D

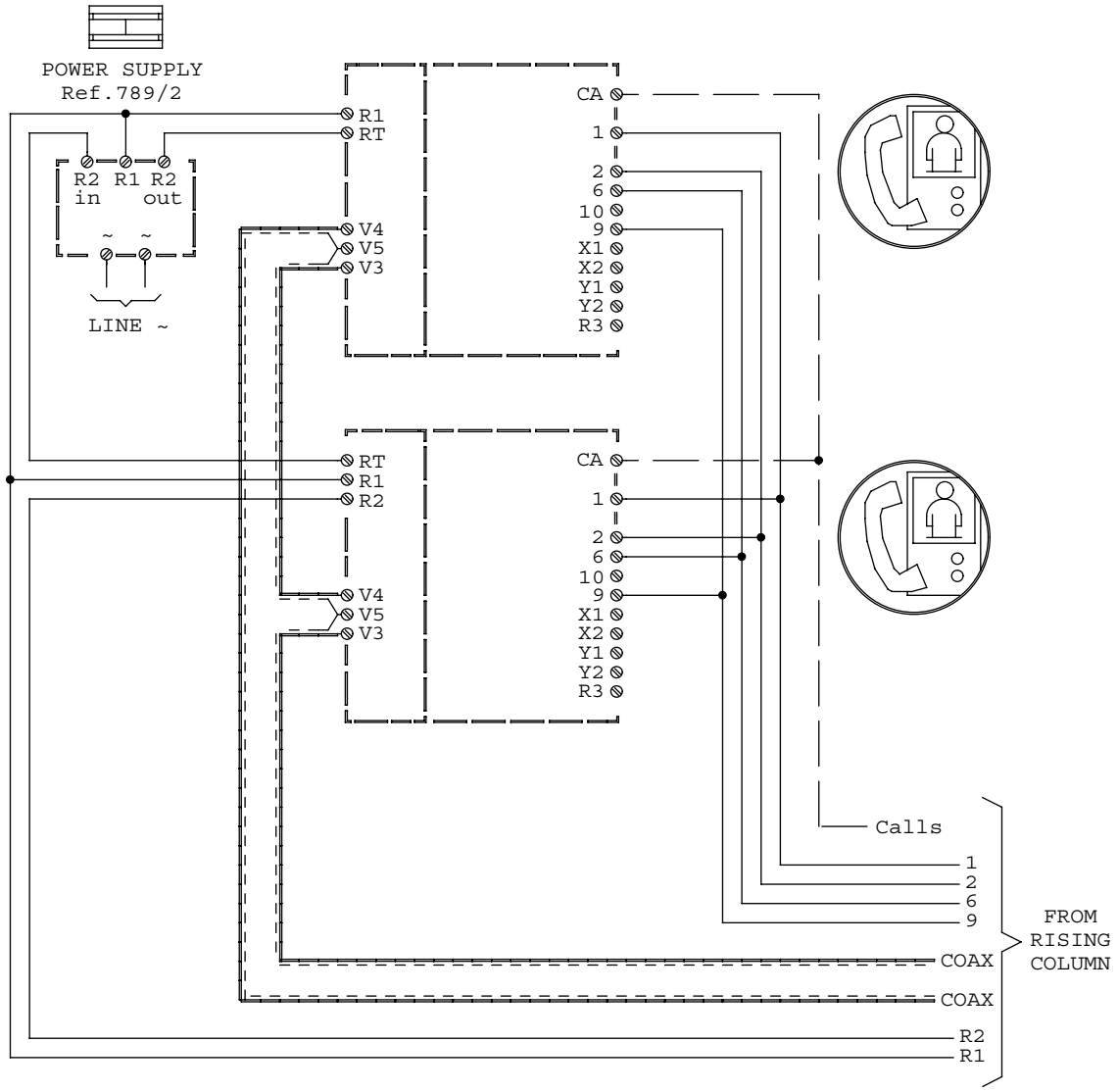


SV102-1574C



CONNECTION OF A CALL REPEATER RELAY IN PARALLEL TO THE VIDEO DOOR PHONE

SV102-0782D



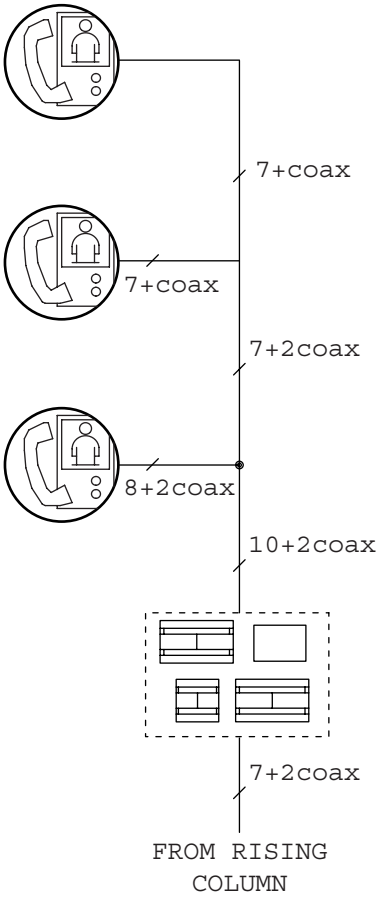
coax

CONNECTION OF 3 VIDEO DOOR PHONE EXTENSIONS IN PARALLEL TO A SYSTEM WITH VIDEO DOOR UNIT
The video door phones are called at the same time

urmet DOMUS

FUNCTION

The system is particularly suitable to be installed in buildings where three video door phones belonging to a more complex system with video door phone unit must be called and switched on at the same time by one only call button.
Since the video power unit cannot power more than one video door phone, a supplementary local power unit is needed to power video door phones 2 and 3.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-2132E:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. 4	Video door phones	**Ref. 1702/1**
N. 4	Bracket	**Ref. 1202/90**

or

Artico model

N. 4	Video door phones	**Ref. 1705/1**
N. 4	Bracket	**Ref. 1705/90**

POWER SUPPLY REFERENCES

N. 1	Supplementary power supply	**Ref. 789/3**
N. 1	Video distributor	**Ref. 1794/4A**
N. 1	Door phone power supply	**Ref. 786/11**
N. 1	Relay	**Ref. 788/52**

DIAGRAM NOTES

(see section 1)

VX.001 VX.007 VX.008

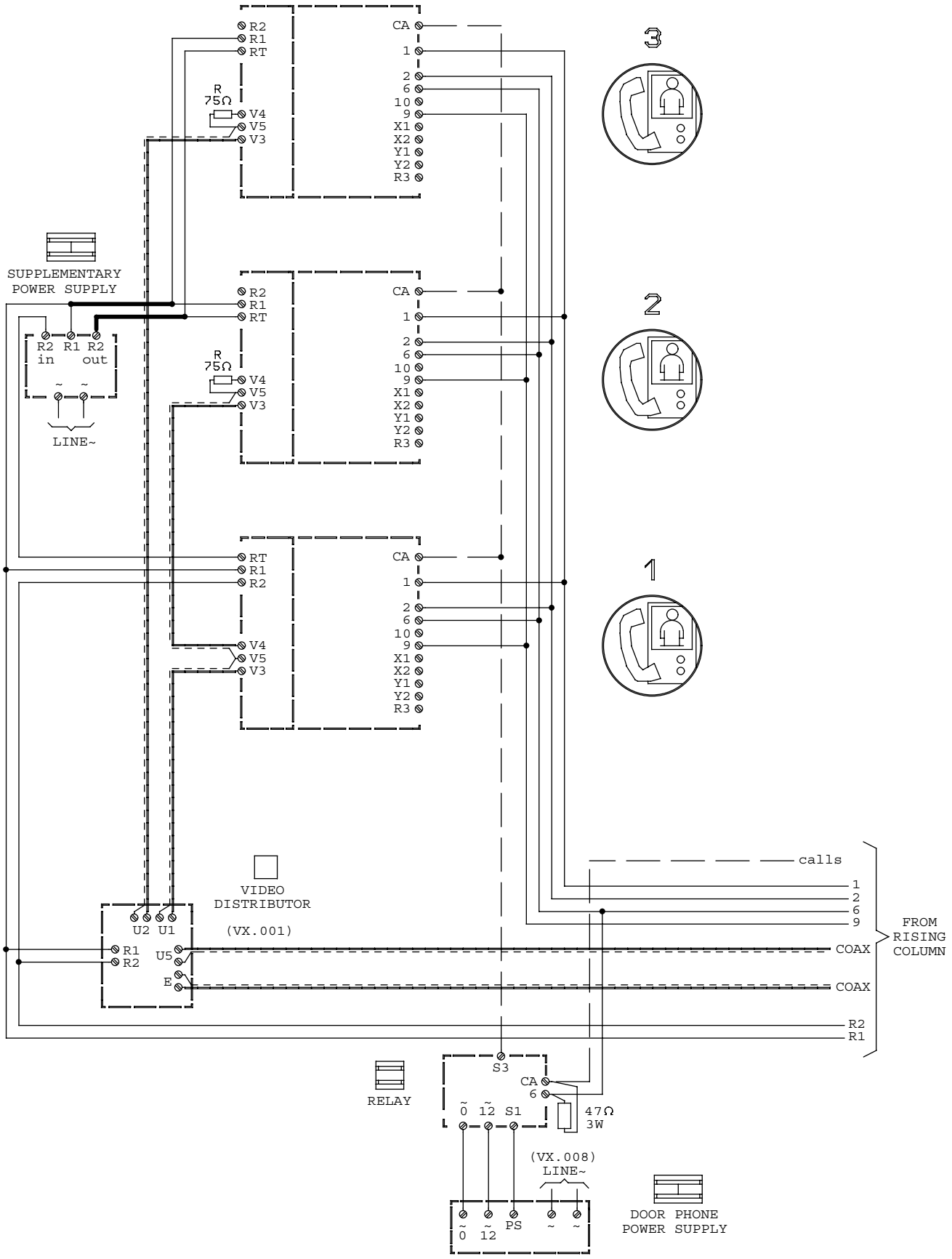
urmet DOMUS

CONNECTION OF 3 VIDEO DOOR PHONE EXTENSIONS IN PARALLEL TO A SYSTEM WITH VIDEO DOOR UNIT

The video door phones are called at the same time

coax

SV102-2132E



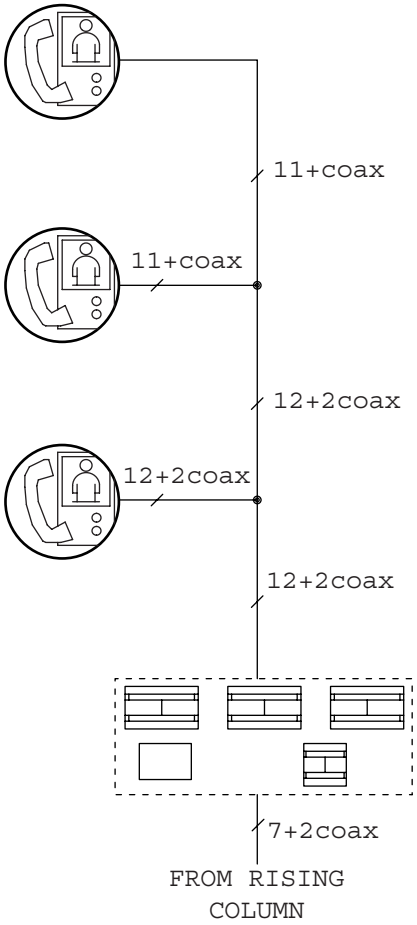
CONNECTION OF 3 INTERCOM VIDEO DOOR PHONE EXTENSIONS TO A SYSTEM WITH VIDEO DOOR UNIT
Single call from outside with concurrent power-on

FUNCTION

This system is particularly suited for detached houses where the video door phones provide the intercom service and can also be called at the same time in parallel by the video outdoor station. Switching from one service to another is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded.

The external call from the video door phone system is sent to the video door phone speaker. The intercom call is sent to the buzzers.
The ◯ and ◇ service keys are used for intercom calls.
When the video door phones are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key.
Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1349E:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. 3	Video door phones	**Ref. 1702/1**
N. 3	Bracket	**Ref. 1202/90**

or

Artico model

N. 3	Video door phones	**Ref. 1705/1**
N. 3	Bracket	**Ref. 1705/90**

POWER SUPPLY REFERENCES

N. 1	Power supply	**Ref. 786/11**
N. 1	Supplementary power supply	**Ref. 789/3**
N. 1	Video distributor	**Ref. 1794/4A**
N. 3	Extra Buzzer	**Ref. 9854/52**
N. 1	Kit of 10 diodes	**Ref. 1131/4**
N. 1	Relay box “B”	**Ref. 788/52**
N. 1	Relay box “A”	**Ref. 788/51**

DIAGRAM NOTES

(see section 1)

C4.014 VX.006 VX.007 VX.008

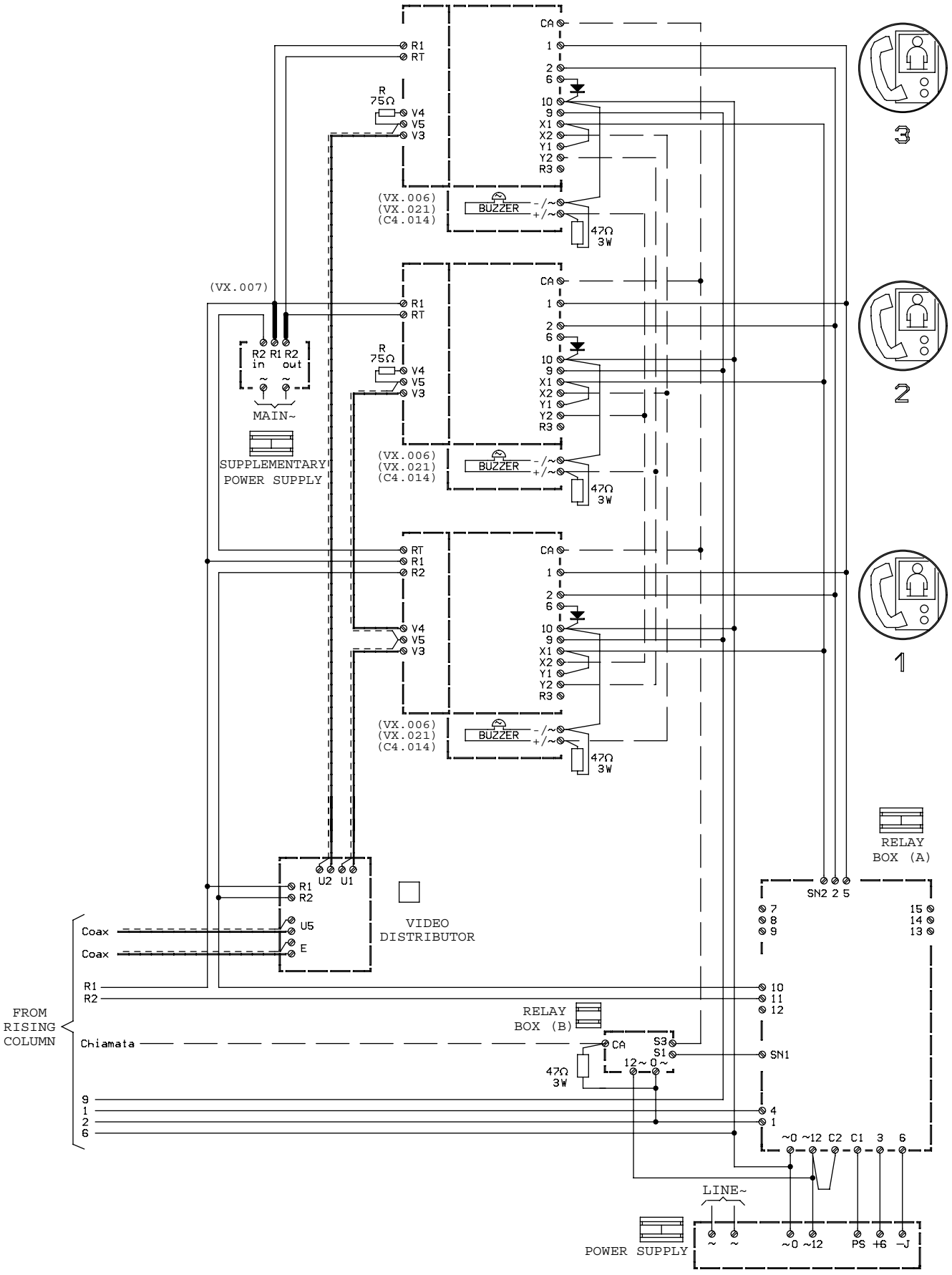
VX.021
Cut or remove the jumpers on the device(s): 6 – 10.

VX.023 VX.034

CONNECTION OF 3 INTERCOM VIDEO DOOR PHONE EXTENSIONS TO A SYSTEM WITH VIDEO DOOR UNIT

Single call from outside with concurrent power-on

SV102-1349E



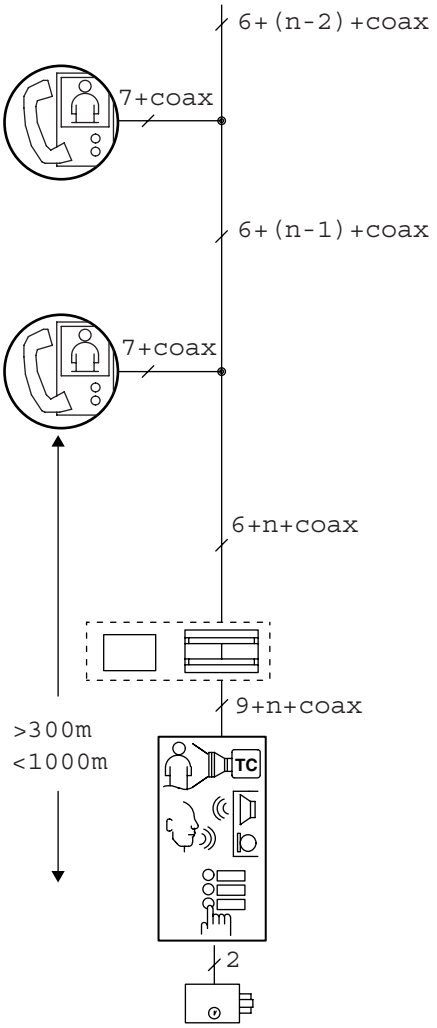
coax

CONNECTION OF N VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT
Distance between video door phone and video door unit in the range from 300 to 1000 metres

urmet DOMUS

FUNCTION

The system allows the connection between the video door phone unit and the various video door phones located in the apartments also when the distance between them is higher than 300 m and lower than 1000m.
When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding video door phone loudspeaker and, after about 7 seconds, the image appears on the screen.
At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key ( ).
Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second video door phone is called before the end of the 60 seconds, the first video door phone will automatically go off and the latter comes on. This feature guarantees secrecy of vision.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-1241D:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/1**
N. X	Bracket	**Ref. 1202/90**

or

Artico model

N. X	Video door phones	**Ref. 1705/1**
N. X	Bracket	**Ref. 1705/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. X	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with camera and door unit	**Ref. 1745/80-/81-/82**

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 camera and door unit	**Ref. 1755/80**

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	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**
N. 1	Camera	**Ref. 725/600**
N. 1	Front plate	**Ref. 725/601-/602**

For the panels references and the accessories refer to “Panels with anodized Aluminium front plate Mod. 725” section of Doorphone and Videodoorphone system - product technical manual.

or

1128 model

N. 1	Front case for video door unit	**Ref. 1728/20-/21**
N. 1	Door unit with camera	**Ref. 1728/80**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. X	Supplementary power supply	**Ref. 789/2**
N. 1	Video amplifier	**Ref. 1090/729**

urmet DOMUS

CONNECTION OF N VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT
Distance between video door phone and video door unit in the range from 300 to 1000 metres

coax

SV102-1241D

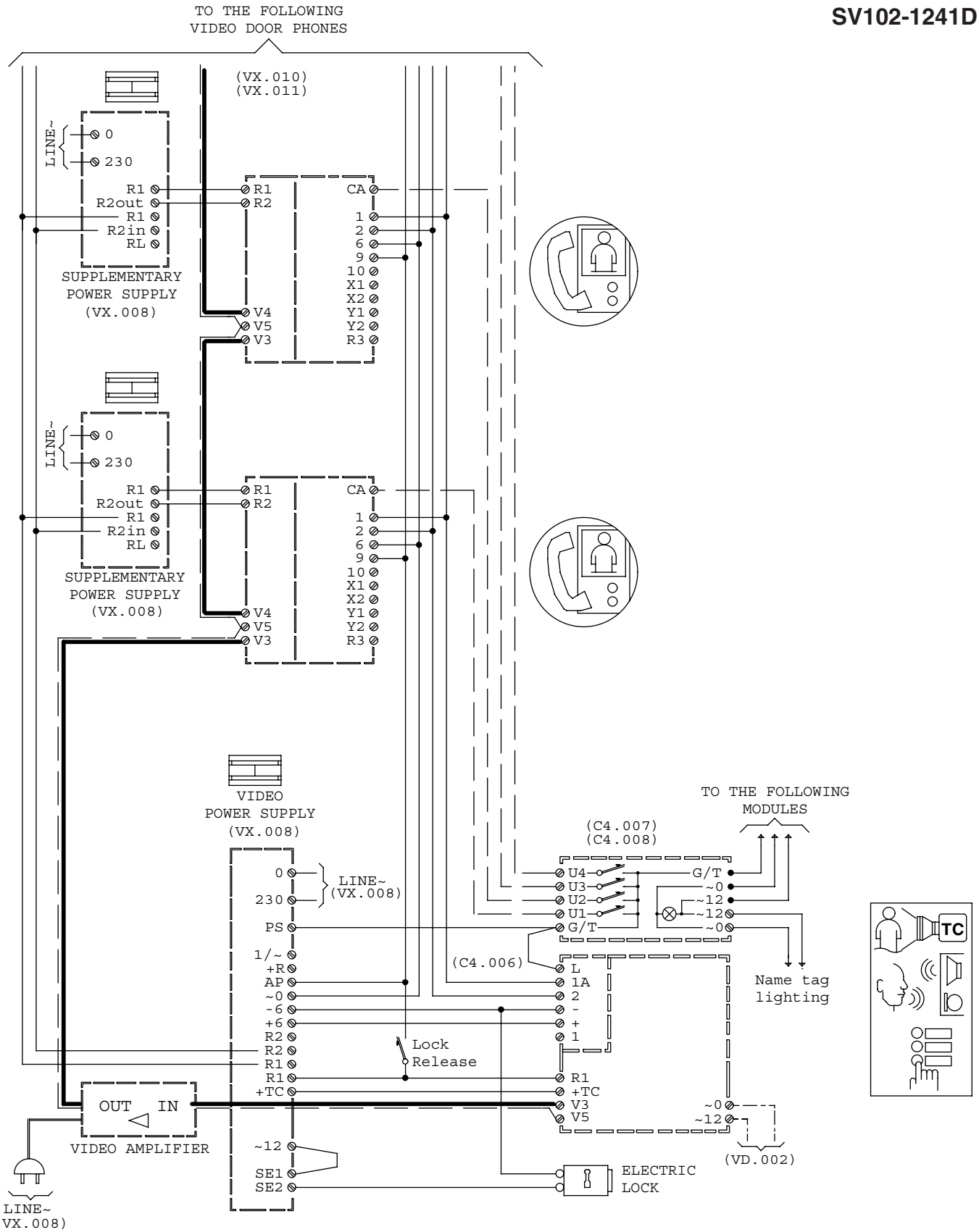


DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008
VD.002 VX.008 VX.010 VX.011 VX.016

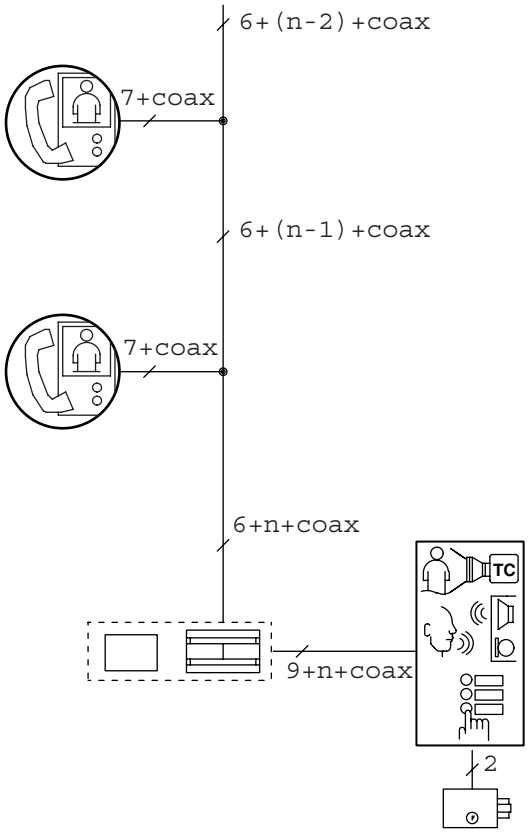
coax

CONNECTION OF SEVERAL COLOURS VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION

urmet DOMUS

FUNCTION

This system allows connection between the video outdoor station and the various video door phones situated in the apartments. When the visitor presses a button on the push button panel, the bitonal electronic call is sent to the corresponding video door phone loudspeaker and, after about 7 seconds, the image appears on the screen.
At this point the user sees the visitor and can answer, if he wishes, unhooking the handset. At the end of the conversation, the electric lock can be operated by pressing the key ( ).
Vision of the image lasts about 60 seconds, after which the intervention of the built-in timer in the power supply causes it to go off. If a second video door phone is called before the end of the 60 seconds, the first video door phone will automatically go off and the latter comes on. This feature guarantees secrecy of vision.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3063A:

VIDEO DOOR PHONE REFERENCES

Atlantico model

N. X	Video door phones	**Ref. 1702/40**
N. X	Bracket	**Ref. 1202/90**

or

Utopia model

N. X	Video door phones direct vision	**Ref. 1703/1**
N. X	Bracket	**Ref. 1703/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module camera	**Ref. 1745/40**
N. 1	Module with door unit	**Ref. 1145/20-/21-/22**
N. 1	Amplified door unit	**Ref. 5150/500**
N. X	Button modules	**Ref. 1145/11-/12-/13-/14**

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. 1755/40**
N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**
N. X	Button modules	**Ref. 1155/11-/12A-/13A-/14A**

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	Video distributor	**Ref. 1794/4A**

DIAGRAM NOTES

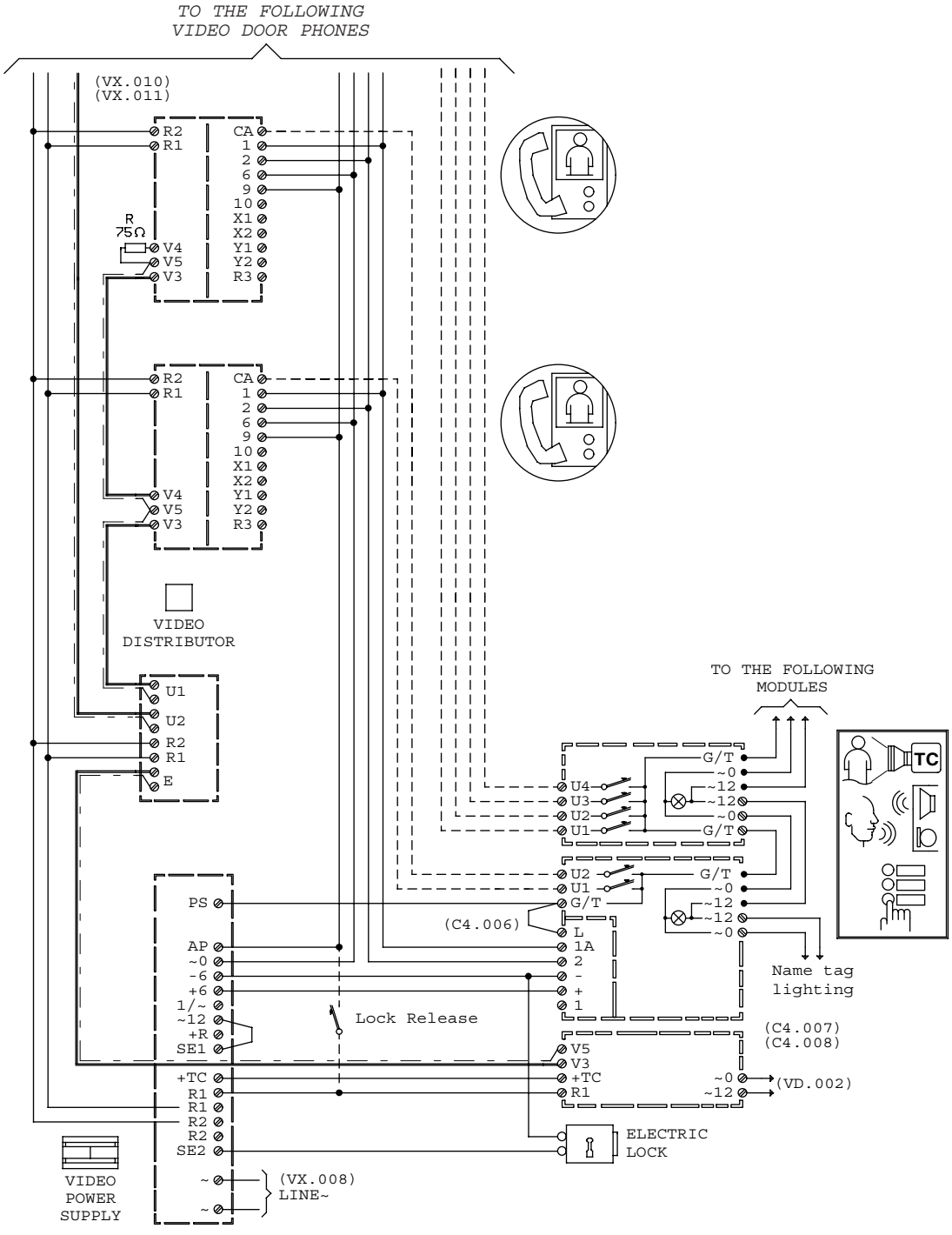
(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 VD.002 VX.003
VX.008 VX.010 VX.011

CONNECTION OF SEVERAL COLOURS VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION

SV102-3063A



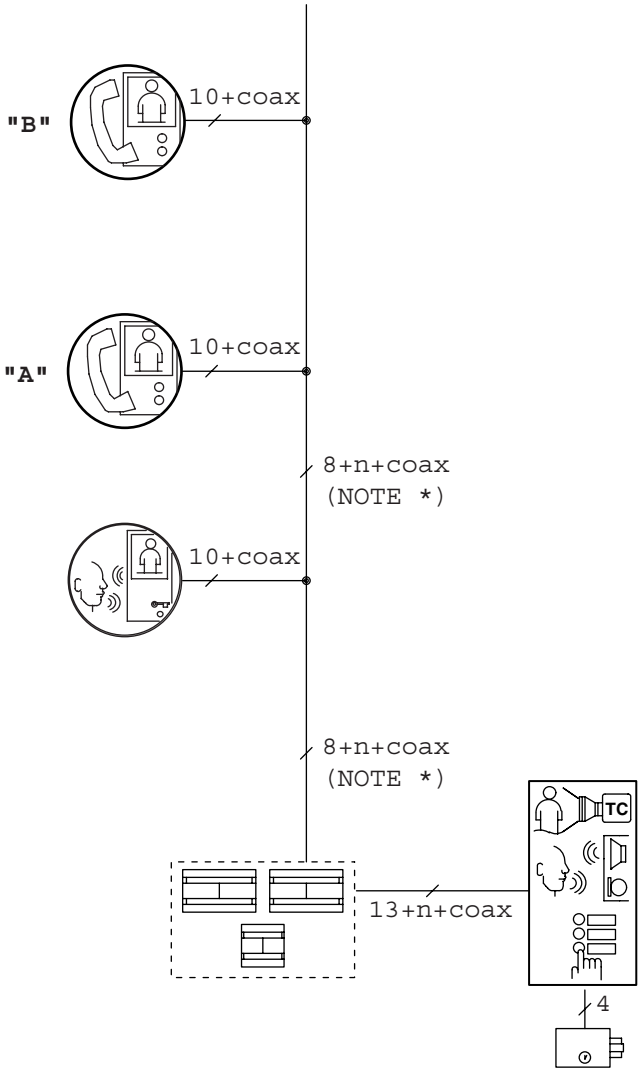
coax

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 DOOR UNIT
Door open indicator on video door phones

urmet DOMUS

FUNCTION

The system provides an open door monitoring service, in addition to providing a connection between the video door unit and the various colour video door phone in the apartments following a call.
An indicator LED lights up on all video door phones when the entrance door is open.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3228A:

VIDEO DOOR PHONE REFERENCES

EXAMPLE "A"
Utopia model

N. 1	Video door phones direct vision	**Ref. 1703/1**
N. **1**	Bracket	**Ref. 1704/90**

or

EXAMPLE "B"
Atlantico model

N. 1	Video door phones	**Ref. 1702/40**
N. 1	Bracket	**Ref. 1702/86**

Utopia free-hands model

N. 1	Video door phones direct vision	**Ref. 1703/2**
N. 1	Bracket	**Ref. 1703/91**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module camera	**Ref. 1745/40**
N. 1	Module with door unit	**Ref. 1145/20-/21-/22**
N. 1	Amplified door unit	**Ref. 5150/500**
N. X	Button modules	**Ref. 1145/11-/12-/13-/14**

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. 1755/40**
N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**
N. X	Button modules	**Ref. 1155/11-/12A-/13A-/14A**

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	Supplementary power supply	**Ref. 1090/850**
N. 1	Relay box	**Ref. 788/52**

DIAGRAM NOTES

(see section 1)

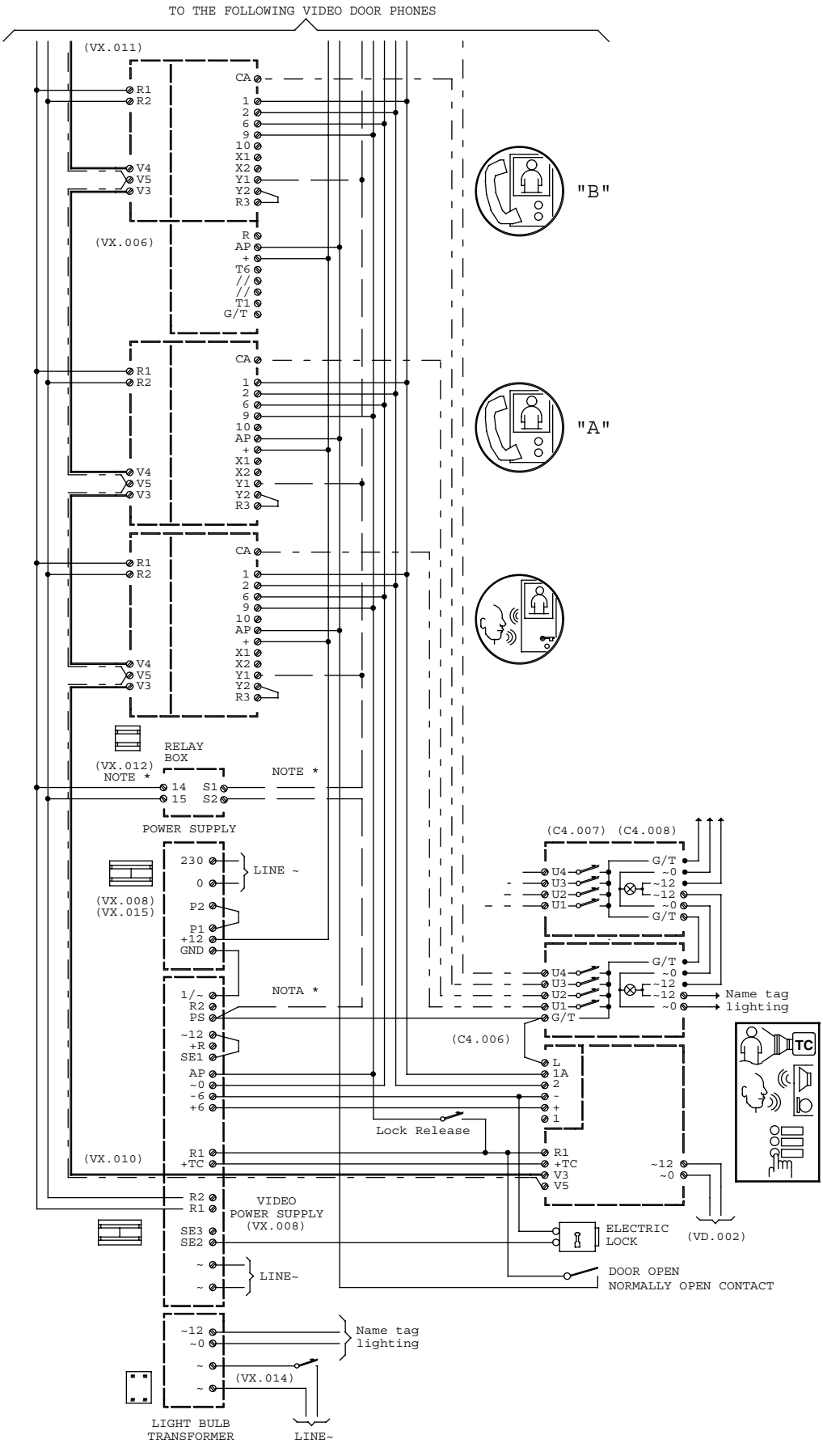
C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 VD.002
VX.003 VX.006 VX.008 VX.010
VX.011 VX.012 VX.014 VX.015

NOTE *: *add 1 optional conductor for the video door phone autoinsertion (with the Utopia free-hands video door phone is possible also the fonic autoinsertion).*

CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 DOOR UNIT
Door open indicator on video door phones

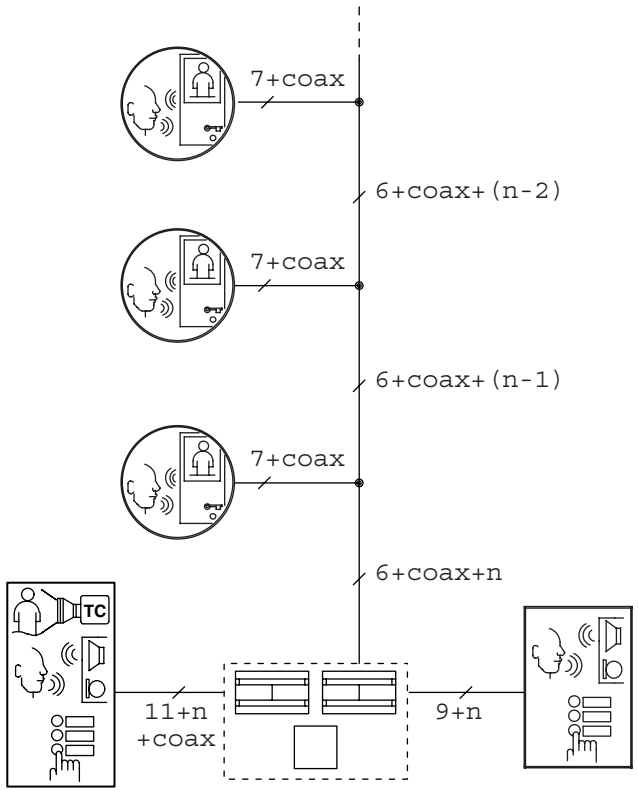
SV102-3228



CONNECTION OF N FREE-HANDS UTOPIA COLOUR VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT AND TO 1 DOOR UNIT

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 monitor will be blank and will work as a regular free-hands door phone if the call is received from the door unit.
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 SV102-3227:

VIDEO DOOR PHONE REFERENCES

Utopia free-hands model

N. 1	Video door phones direct vision	**Ref. 1703/2**
N. 1	Bracket	**Ref. 1703/91**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module camera	**Ref. 1745/40**
N. 1	Module with door unit	**Ref. 1145/20-/21-/22**
N. 1	Amplified door unit	**Ref. 1145/500**
N. X	Button modules	**Ref. 1145/11-/12-/13-/14**

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. 1755/40**
N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**
N. X	Button modules	**Ref. 1155/11-/12A-/13A-/14A**

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. 1	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with door unit set-up	**Ref. 1145/20-/21-/22**
N. 1	Amplified door unit	**Ref. 1145/500**

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	Button modules	**Ref. 1155/11-/12A-/13A-/14A**
N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**

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	Panels with N buttons	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**

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.

or

1128 model

N. 1	Front case for door unit	**Ref. 1128/20-/21**
N. 1	Door unit	**Ref. 1128/500**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. 1	Video power supply	**Ref. 789/5B**
N. 1	Relay box	**Ref. 788/51**
N. 1	Video distributor	**Ref. 1794/4A**

DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

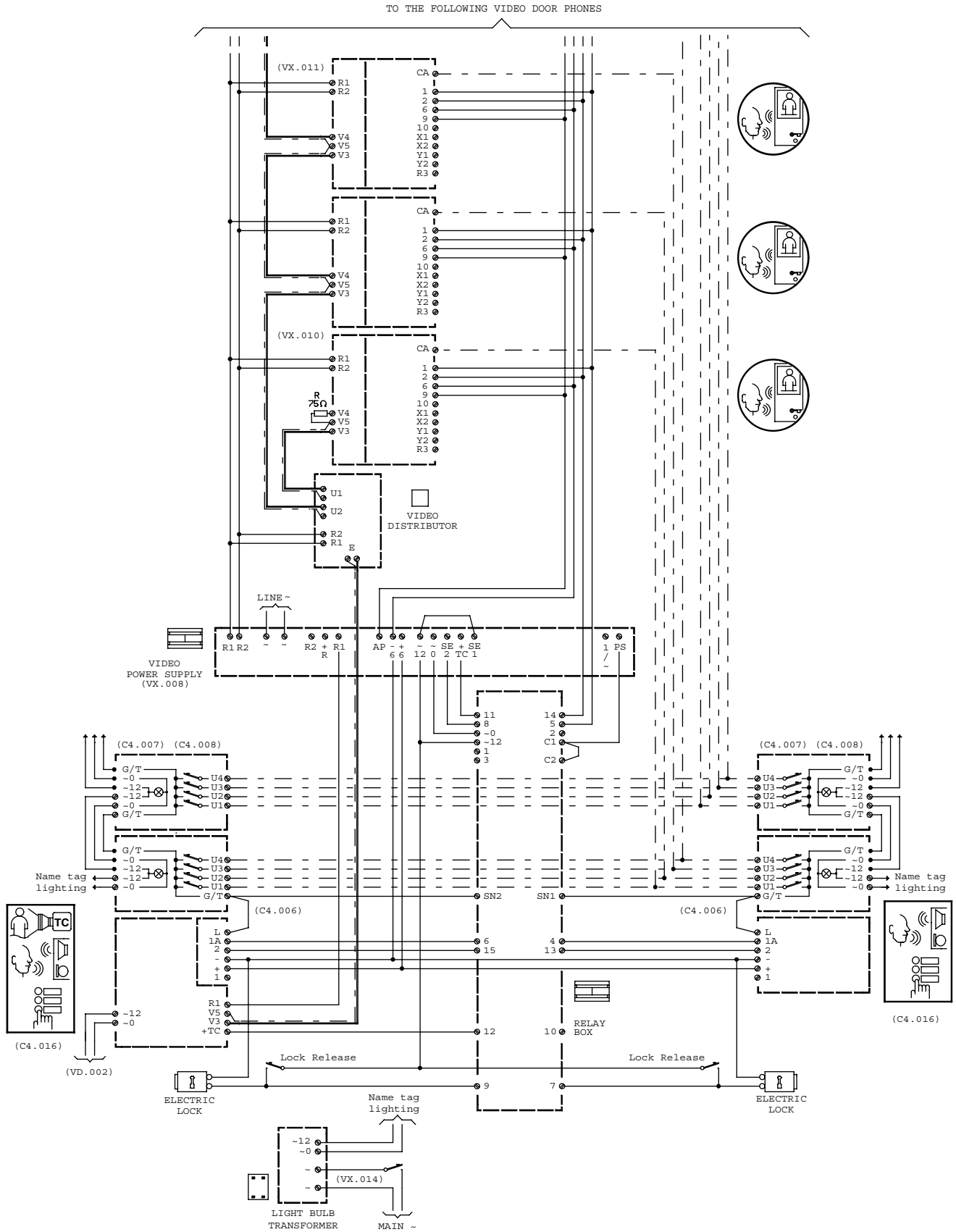
C4.007 C4.008 C4.016 VD.002 VX.008 VX.010 VX.011 VX.014

urmet DOMUS

CONNECTION OF N FREE-HANDS UTOPIA COLOUR VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT AND TO 1 DOOR UNIT

coax

SV102-3227

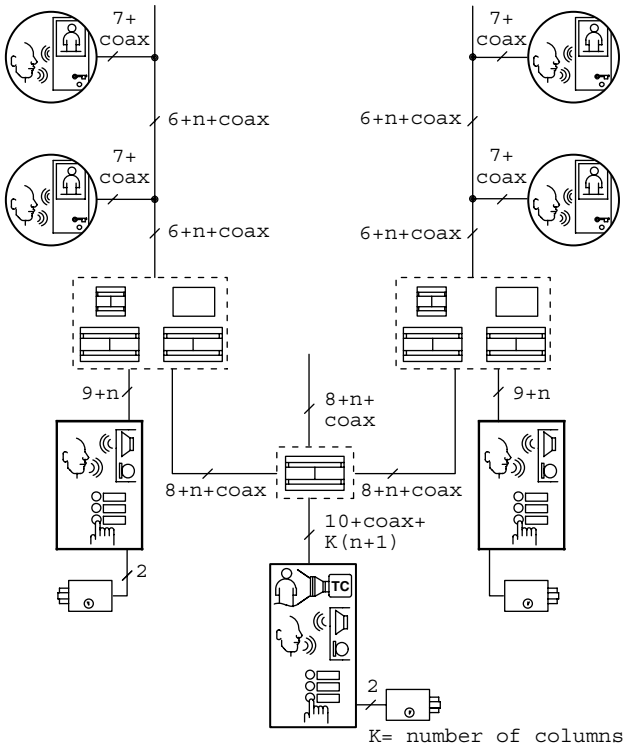


CONNECTION OF N FREE-HANDS COLOUR VIDEO DOOR PHONE COLUMNS TO 1 MAIN VIDEO DOOR UNIT
Each column is additionally connected to a specific secondary door unit

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 SV102-3235:

VIDEO DOOR PHONE REFERENCES

Utopia free-hands model

N. 1	Video door phones direct vision	**Ref. 1703/2**
N. 1	Bracket	**Ref. 1703/91**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module camera	**Ref. 1745/40**
N. 1	Module with door unit	**Ref. 1145/20-/21-/22**
N. 1	Amplified door unit	**Ref. 1145/500**
N. X	Button modules	**Ref. 1145/11-/12-/13-/14**

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. 1755/40**
N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**
N. X	Button modules	**Ref. 1155/11-/12A-/13A-/14A**

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. 1	Button modules	**Ref. 1145/11-/12-/13-/14**
N. 1	Module with door unit set-up	**Ref. 1145/20-/21-/22**
N. 1	Amplified door unit	**Ref. 1145/500**

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	Button modules	**Ref. 1155/11-/12A-/13A-/14A**
N. 1	Module with door unit	**Ref. 1155/20-/21-/22A**

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	Panels with N buttons	**Mod. 725**
N. 1	Amplified door unit	**Ref. 1128/500**

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.

or

1128 model

N. 1	Front case for door unit	**Ref. 1128/20-/21**
N. 1	Door unit	**Ref. 1128/500**
N. X	Front case	**Ref. 1128/10-/11**
N. X	Button	**Ref. 1128/1-/2**

For boards of accessories refer to “Wall Mounted Panel Mod. 1128” section of Doorphone and Videodoorphone system product technical manual.

POWER SUPPLY REFERENCES

N. K+1	Video power supply	**Ref. 789/5B**
N. K	Relay box	**Ref. 788/51**
N. 1	Video distributor	**Ref. 1794/4A**

DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.007 C4.008 C4.017 VD.002
VX.001 VX.002 VX.003 VX.008 VX.014

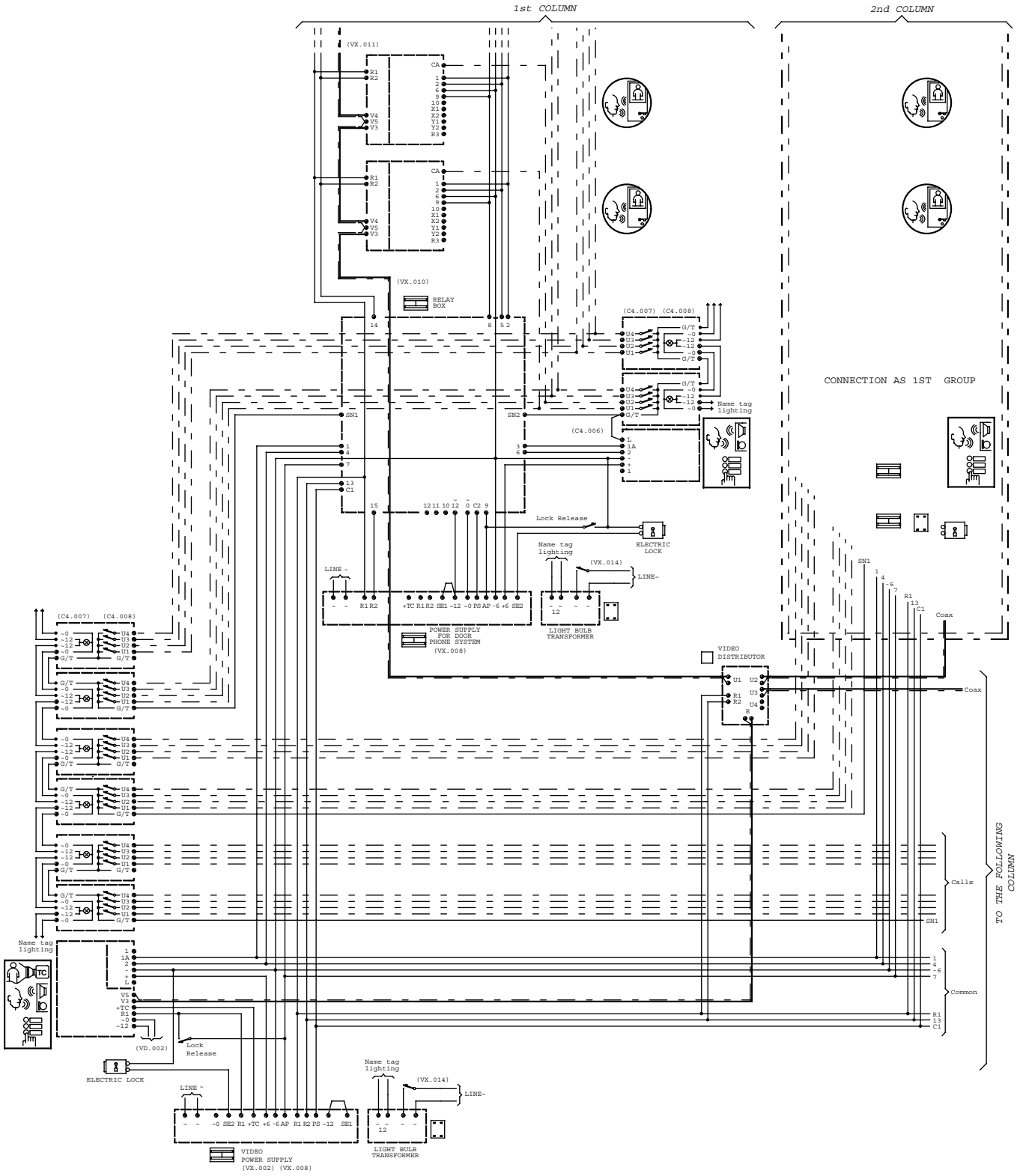
urmet DOMUS

CONNECTION OF N FREE-HANDS COLOUR VIDEO DOOR PHONE COLUMNS TO 1 MAIN VIDEO DOOR UNIT

Each column is additionally connected to a specific secondary door unit

coax

SV102-3235



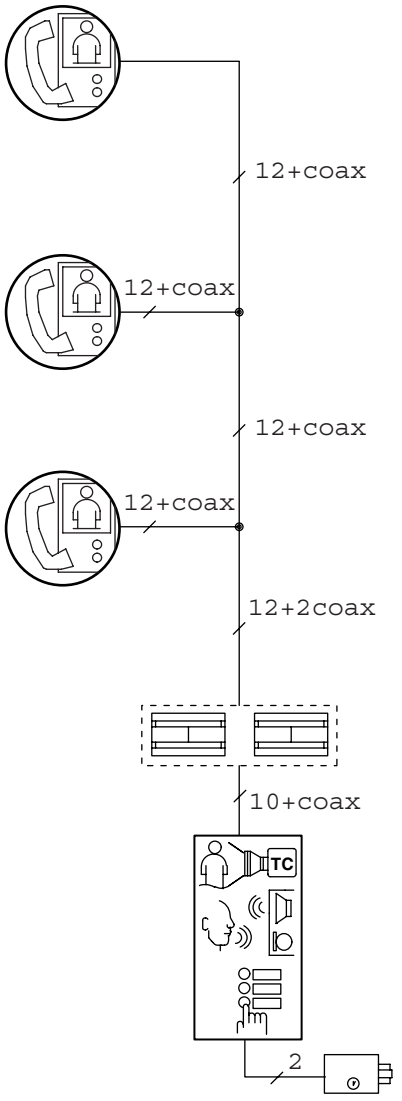
CONNECTION OF 3 INTERCOM UTOPIA VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT

FUNCTION

This system is particularly suited for detached houses where the video door phones provide the intercom service and can also be called at the same time by the video outdoor station. Switching from one service to another is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded.
If a call is made from the video outdoor station during an intercom conversation, all the video door phones are automatically switched to the outside.

The ◯ and ◇ service keys are used for intercom calls.
When the video door phones are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key.
Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3219:

VIDEO DOOR PHONE REFERENCES

Utopia model

N. 3	Video door phones	**Ref. 1703/1**
N. 3	Bracket	**Ref. 1703/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module with camera and door unit	**Ref. 1745/41**
N. 1	Button modules	**Ref. 1145/12**

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. 1755/40**
N. 1	Module with door unit	**Ref. 1155/20**
N. X	Button modules	**Ref. 1155/13A**

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	Door phone power supply with relay	**Ref. 786/15**

DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

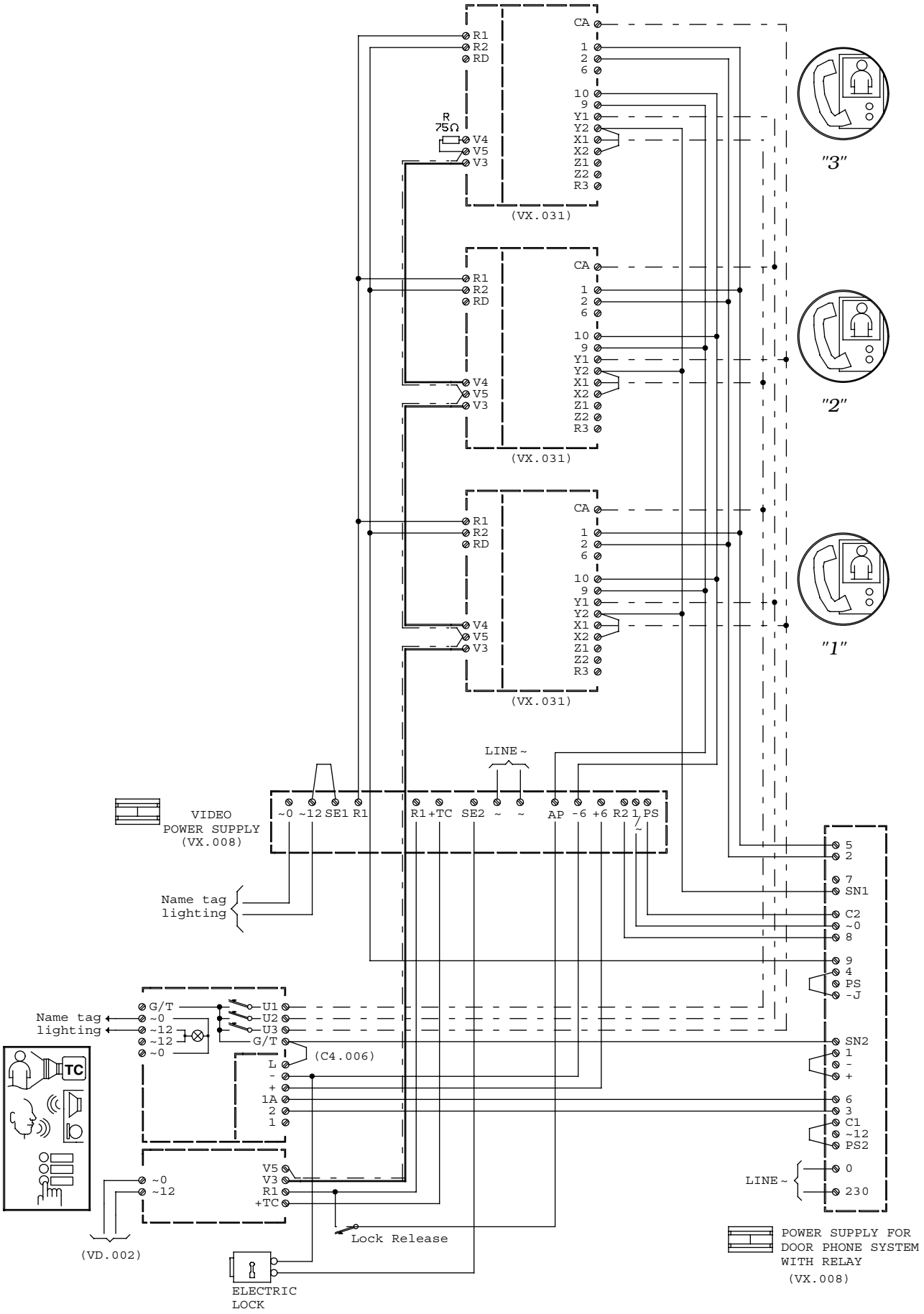
VD.002 VX.003 VX.008 VX.014 VX.031

urmet DOMUS

CONNECTION OF 3 INTERCOM UTOPIA VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT

coax

SV102-3219



coax

CONNECTION OF 2 INTERCOM UTOPIA VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT
Single call from outside with concurrent power-on

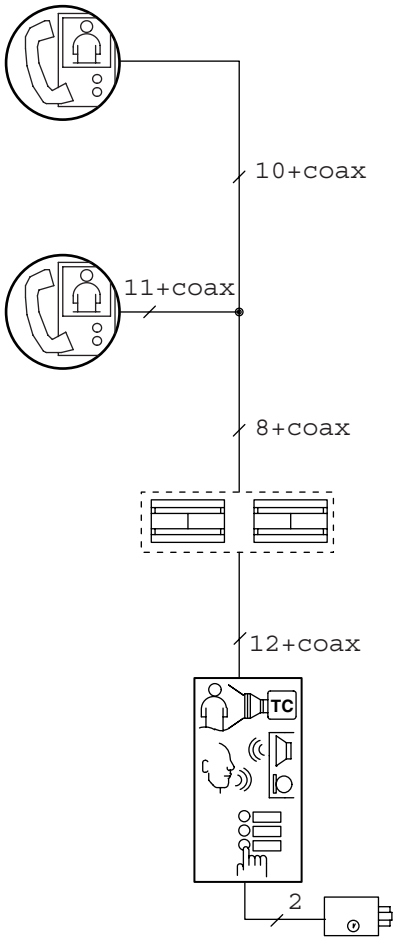
urmet DOMUS

FUNCTION

This system is particularly suited for detached houses where the video door phones provide the intercom service and can also be called at the same time in parallel by the video outdoor station. Switching from one service to another is automatic and is assured during the call phase by a relay device.

When the intercom service is activated, listening to the conversation from the loudspeaking unit of the video outdoor station is excluded.
If a call is made from the video outdoor station during an intercom conversation, all the video door phones are automatically switched to the outside.

The ◯ and ◇ service keys are used for intercom calls.
When the video door phones are called in parallel by the video outdoor station, they switch on at the same time. At the end of the conversation, the electric lock is released pressing the key.
Viewing lasts approximately 60 seconds, after which it is interrupted automatically following tripping of the timer incorporate in the power supply.



EQUIPMENT

The following devices are needed for the system illustrated in diagram SV102-3220:

VIDEO DOOR PHONE REFERENCES

Utopia model

N. 2	Video door phones	**Ref. 1703/1**
N. 2	Bracket	**Ref. 1703/90**

VIDEO OUTDOOR STATION REFERENCES

Sinthesi model

N. 1	Module with camera and door unit	**Ref. 1745/41**

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 with camera	**Ref. 1755/41**

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	Door phone power supply with relay	**Ref. 786/15**
N. 1	Kit of 10 diodes	**Ref. 1131/4**

DIAGRAM NOTES

(see section 1)

C4.006
Sinthesi models only:
Connect jumper L with G/T

C4.014 VD.002 VX.003 VX.008 VX.014 VX.031

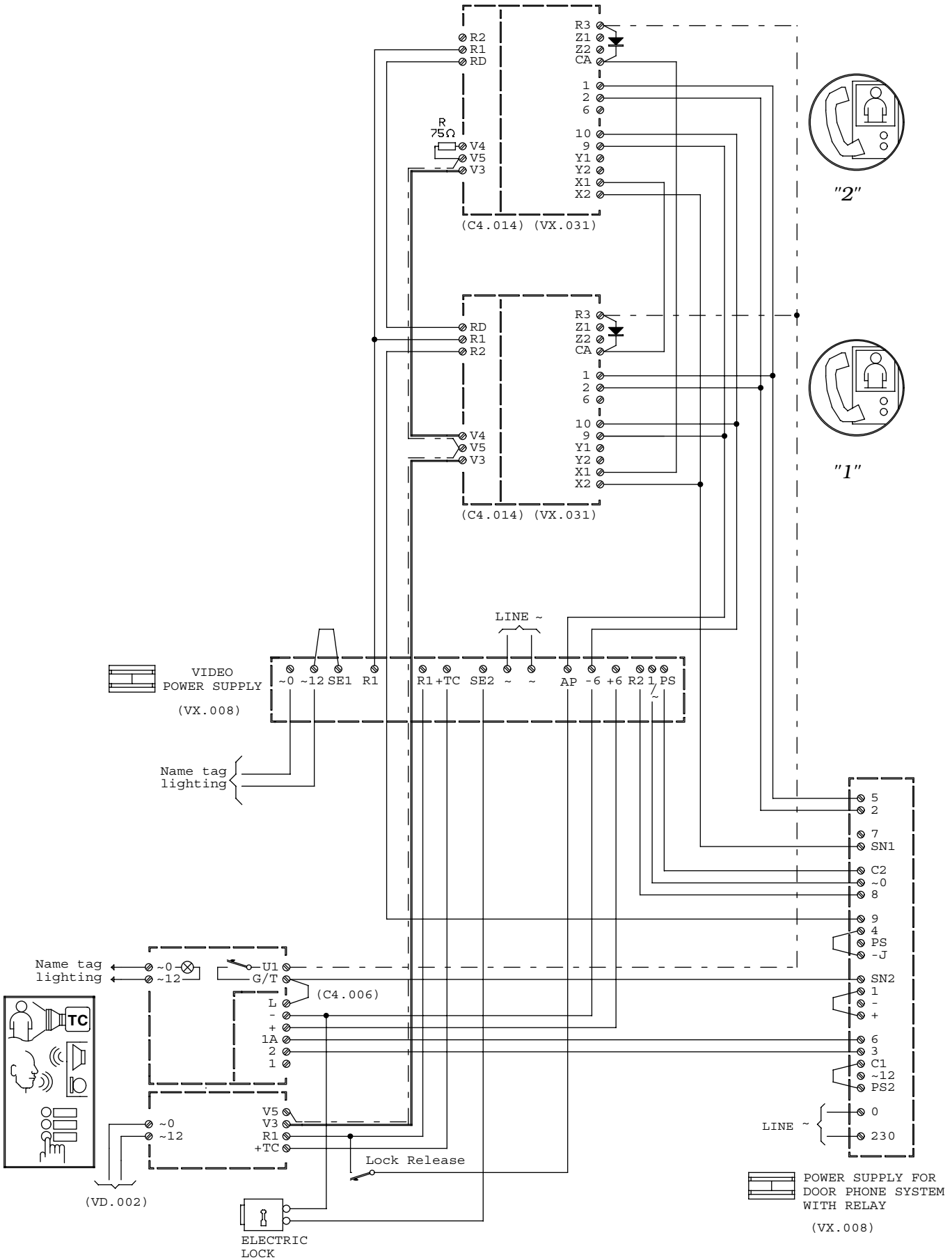
urmet DOMUS

CONNECTION OF 2 INTERCOM UTOPIA VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT

Single call from outside with concurrent power-on

coax

SV102-3220



coax

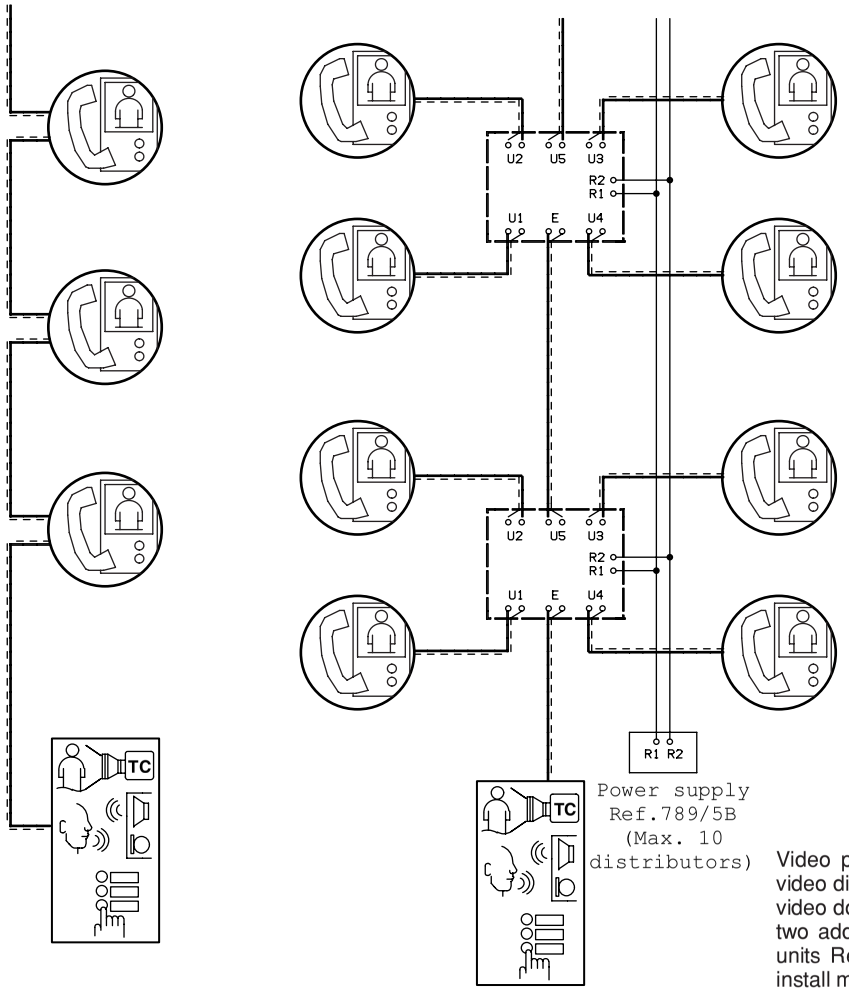
SV102-3294

EXAMPLES OF COAXIAL CABLE CONNECTION

ONE RISER

SERIES CONNECTION
The cable goes in and
ıes out from each video door phone

CONNECTION WITH DISTRIBUTION
TO THE FLOORS

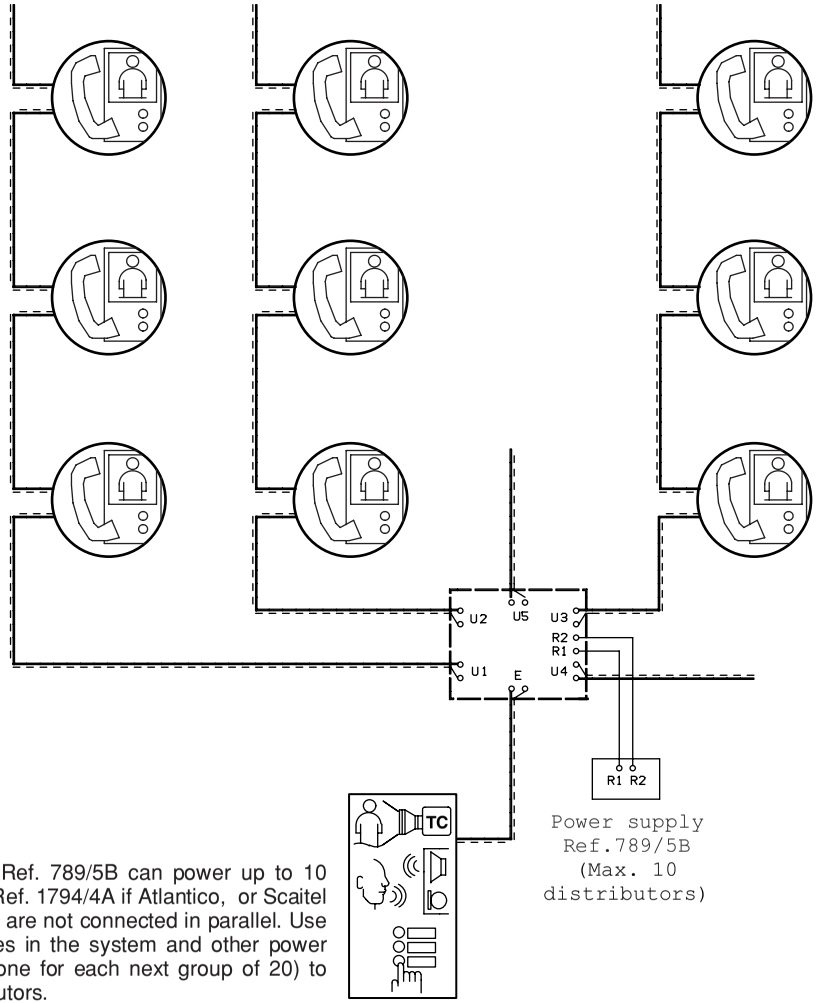


Power supply
Ref.789/5B
(Max. 10
distributors)

Note: *if on the video door phone terminals V4 and V5 there is not the coaxial cable connect the 75Ω 1/4W resistance.*

SEVERAL RISER

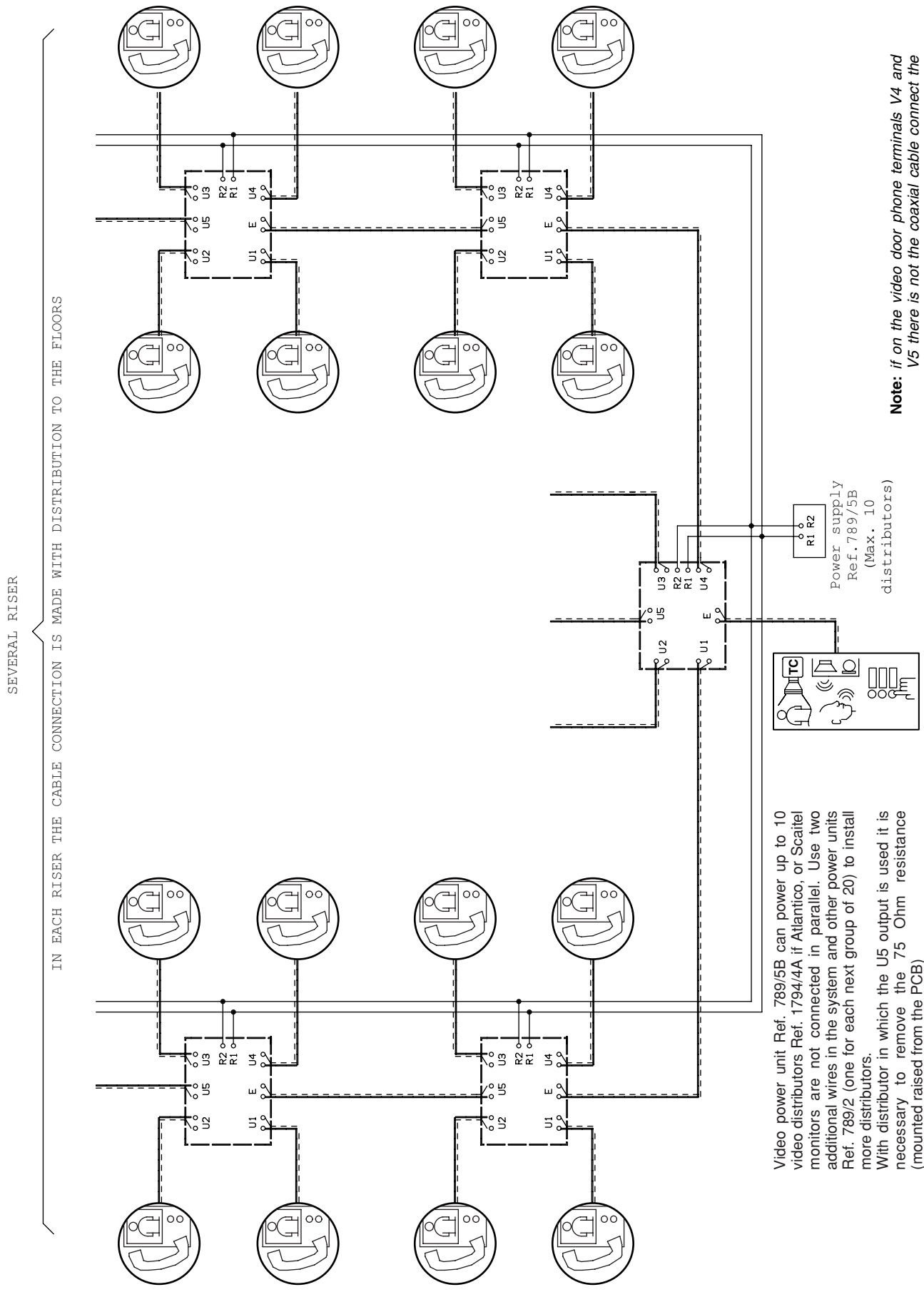
CONNECTION WITH DISTRIBUTION AT RISER BEGINNING
In each riser the cable goes in and
comes out from each video door phone



Power supply
Ref.789/5B
(Max. 10
distributors)

Video power unit Ref. 789/5B can power up to 10 video distributors Ref. 1794/4A if Atlantico, or Scaitel video door phones are not connected in parallel. Use two additional wires in the system and other power units Ref. 789/2 (one for each next group of 20) to install more distributors.
With distributor in which the U5 output is used it is necessary to remove the 75 Ohm resistance (mounted raised from the PCB) .

urmet DOMUS



Note: *if on the video door phone terminals V4 and V5 there is not the coaxial cable connect the 75Ω 1/4W resistance.*

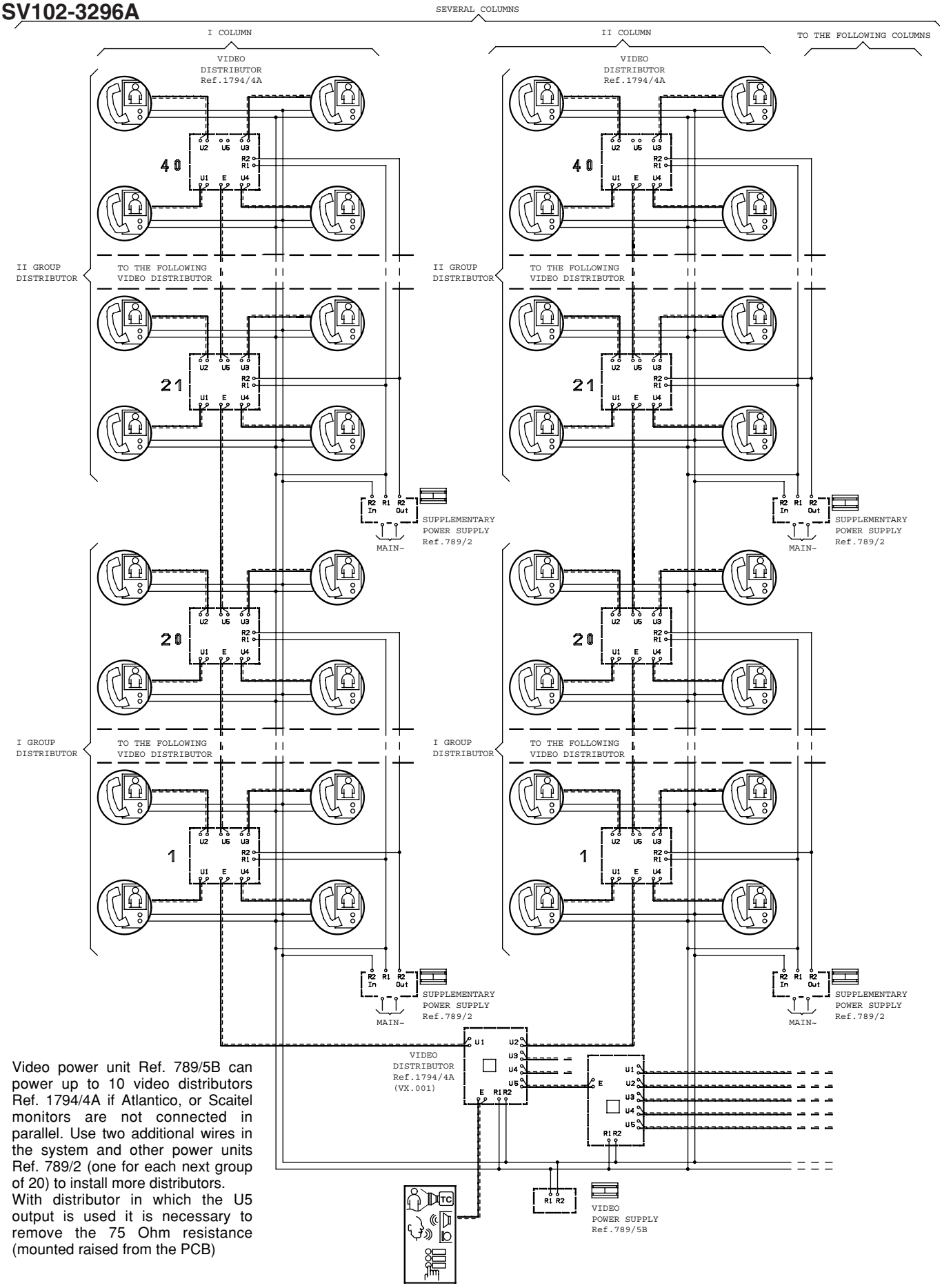
Video power unit Ref. 789/5B can power up to 10 video distributors Ref. 1794/4A if Atlantico, or Scaitel monitors are not connected in parallel. Use two additional wires in the system and other power units Ref. 789/2 (one for each next group of 20) to install more distributors.
With distributor in which the U5 output is used it is necessary to remove the 75 Ohm resistance (mounted raised from the PCB)

coax

EXAMPLES OF COAXIAL CABLE CONNECTION

urmet DOMUS

SV102-3296A



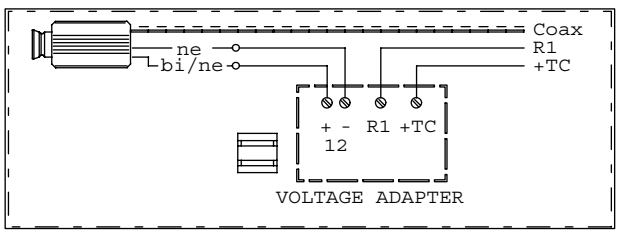
Video power unit Ref. 789/5B can power up to 10 video distributors Ref. 1794/4A if Atlantico, or Scaitel monitors are not connected in parallel. Use two additional wires in the system and other power units Ref. 789/2 (one for each next group of 20) to install more distributors.
With distributor in which the U5 output is used it is necessary to remove the 75 Ohm resistance (mounted raised from the PCB)

SV102-3229A

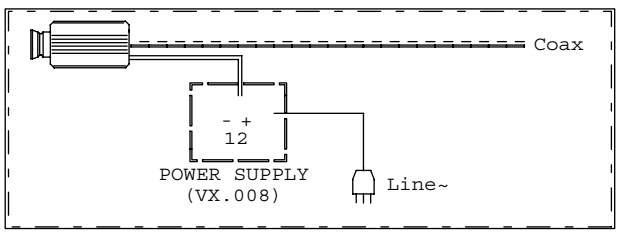
CAMERA					
Vision	**Ref.**	**Risolution (line)**	**Power voltage**	**Power supply adviced Ref.**	**Example of connection**
B/W	1090/108	380	12 Vcc (VX.032)	1840/44	1
				1090/850 or 1090/849	2
	1090/141	>380		1840/44	1
				1090/850 or 1090/849	2
	1090/142	>380	230 Vca	- -	3
	1092/001A	420	12 Vcc (VX.033)	1840/44	1
				1090/850 or 1090/849	2
	1092/002A	420	230 Vca	- -	3
	1090/122	420	230 Vca	- -	3
COLOUR	1090/215	380	230 Vca	- -	3
	1090/241	350	12 Vcc (VX.032)	1840/44	1
				1090/849	2
	1090/243	350	230 Vca	- -	3
NOTE: For optics, bracket, custody see the TVCC technical manual.					

MICROCAMERA							
Vision	**Use**	**Ref.**	**Risolution (line)**	**Power voltage**	**Power supply adviced Ref.**	**Accessories Ref.**	**Example of connection**
B/W	Internal	1090/117	>420	12Vdc (VX.032)	1840/44	1090/840	1
					1090/850 or 1090/849	1090/840 only for 1090/850	2
		1090/185	420		1840/44	1090/840	1
					1090/850 or 1090/849	1090/840 only for 1090/850	2
		1090/187	>420		1840/44	1090/840	1
					1090/850 or 1090/849	1090/840 only for 1090/850	2
		1090/189	>420		1840/44	1090/840	1
					1090/850 or 1090/849	1090/840 only for 1090/850	2
	External	1090/191	420		1090/849	- -	2
		1090/194	420		1840/44	1090/840	1
					1090/850 or 1090/849	1090/840 only for 1090/850	2
COLOUR	Internal	1090/188	300	12Vdc (VX.032)	1840/44	1090/840	1
					1090/850 or 1090/849	1090/840 only for 1090/850	2
	External	1090/198	380		1840/44	1090/840	1
					1090/849	- -	2

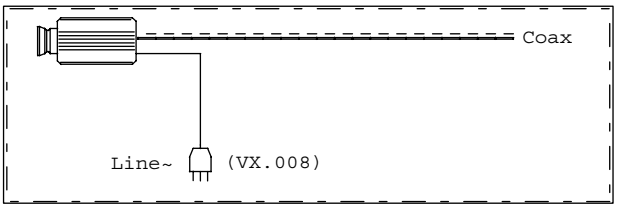
Example 1



Example 2



Example 3



coax

SECTION 1D CONTENTS

DOOR PHONE AND VIDEO DOOR PHONE SYSTEM - DIAGRAM

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BASIC DIAGRAMS FOR COAX ELECTRONIC VIDEO DOOR PHONE SYSTEMS

	Diagram	Sec.	Pag.
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CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION	SV102-2631E	1d	4
CONNECTION OF SEVERAL VIDEO DOOR PHONES AND HOUSE PHONES TO 1 VIDEO OUTDOOR STATION Connection in the riser of a number of house phones with voice service only	SV102-1609E	1d	6
CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION The video outdoor station calls the 4 video door phones in parallel with concurrent power-on	SV102-2066D	1d	8
CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 OUTDOOR STATION EQUIPPED WITH A SEPARATE CCD TV CAMERA Possibility of automatic connection by the video door phones to the TV camera	SV102-3118C	1d	10
CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION Possibility of automatic activation of a second control tv camera	SV102-3119A	1d	12
CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS	SV102-2892D	1d	14
CONNECTION OF SEVERAL VIDEO DOOR PHONE GROUPS TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT	SV102-2934C	1d	16
CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 4 VIDEO OUTDOOR STATIONS	SV102-3078B	1d	18
CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO A MAIN VIDEO OUTDOOR STATION Each column is connected to 1 proper secondary video outdoor station	SV102-3079A	1d	20
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CONNECTION OF 3 INTERCOM VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT Single call from outside with concurrent power-on	SV102-2970D	1d	24
CONNECTION OF MAXIMUM 9 INTERCOM ATLANTICO VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT Single call from the outside with concurrent power-on	SV102-2972D	1d	26
CONNECTION OF 3 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 2 ELECTRICAL VIDEO DOOR UNITS The video outdoor stations call the video door phones in parallel with concurrent power-on	SV102-3257A	1d	28
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CONNECTION IN PARALLEL OF 1 VIDEO DOOR PHONE AND 1 DOOR PHONE	SV102-1574C	1d	30
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CONNECTION OF 3 INTERCOM VIDEO DOOR PHONE EXTENSIONS TO A SYSTEM WITH VIDEO DOOR UNIT Single call from outside with concurrent power-on	SV102-1349E	1d	34
CONNECTION OF N VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT Distance between video door phone and video door unit in the range from 300 to 1000 metres	SV102-1241D	1d	36
CONNECTION OF SEVERAL COLOURS VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION	SV102-3063A	1d	38
CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 DOOR UNIT Door open indicator on video door phones	SV102-3228A	1d	40

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CONNECTION OF N FREE-HANDS UTOPIA COLOUR VIDEO DOOR PHONES
TO 1 VIDEO DOOR UNIT AND TO 1 DOOR UNIT ..... SV102-3227 ..... 1d **42**

CONNECTION OF N FREE-HANDS COLOUR VIDEO DOOR PHONE COLUMNS
TO 1 MAIN VIDEO DOOR UNIT
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EXAMPLE OF CONNECTION TVCC CAMERE OR MICROCAMERA ..... SV102-3229A ..... 1d **53**

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DOOR PHONE AND VIDEO DOOR PHONE SYSTEM - DIAGRAM

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COAX VIDEO DOOR PHONE SYSTEM DIAGRAM CROSS-REFERENCE TABLE

WITH BLACK AND WHITE CAMERA

LIST OF AVAILABLE FUNCTIONS

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	Intercom function: users can communicate with each other	Auto-on: users can switch the video door phone on also if no call is received	Monitor with CCTV cameras	Use of some door phones for audio service only	Use of devices in parallel with a video door phone	Distance between video door phones and video door unit from 300 to 1000 metres	Use of kits	DIAGRAM DESCRIPTION	DIAGRAM	PAG
1	0	0	0	√								√	COLLEGAMENTO DI MAX 2 VIDEOCITOFONI AD 1 VIDEOPORTIERE ELETTRICO	SV102-3146D	2
	0	0	0	√									CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION	SV102-2631E	4
	0	0	0	√					√				CONNECTION OF SEVERAL VIDEO DOOR PHONES AND HOUSE PHONES TO 1 VIDEO OUTDOOR STATION. Connection in the riser of a number of house phones with voice service only	SV102-1609E	6
	0	0	0	√			√	√					CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 OUTDOOR STATION EQUIPPED WITH A SEPARATE CCD TV CAMERA Possibility of automatic connection by the video door phones to the TV camera	SV102-3118C	10
	0	0	0	√			√	√					CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION Possibility of automatic activation of a second control tv camera	SV102-3119A	12
	0	0	0		√								CONNECTION OF 4 VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION The video outdoor station calls the 4 video door phones in parallel with concurrent power-on	SV102-2066D	8
	0	0	0		√	√							CONNECTION OF 3 INTERCOM VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT Single call from outside with concurrent power-on	SV102-2970D	24
	0	0	0		√	√							CONNECTION OF MAXIMUM 9 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT Single call from the outside with concurrent power-on	SV102-2972D	26
	0	0	0	√							√		CONNECTION OF N VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT Distance between video door phone and video door unit in the range from 300 to 1000 metres	SV102-1241D	36
	0	0	K	√									CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO 1 MAIN VIDEO OUTDOOR STATION Each columns is also connected to its own secondary outdoor station	SV102-2935E	22
	0	1	0	√									CONNECTION OF SEVERAL VIDEO DOOR PHONE GROUPS TO 1 VIDEO DOOR UNIT AND 1 DOOR UNIT	SV102-2934C	16
	K	0	0	√									CONNECTION OF SEVERAL VIDEO DOOR PHONE COLUMNS TO A MAIN VIDEO OUTDOOR STATION Each column is connected to 1 proper secondary video outdoor station	SV102-3079A	20
2	0	0	0	√									CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 2 VIDEO OUTDOOR STATIONS	SV102-2892D	14
	0	0	0		√	√							CONNECTION OF 3 INTERCOM Atlantico VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 2 ELECTRICAL VIDEO DOOR UNITS The video outdoor stations call the video door phones in parallel with concurrent power-on	SV102-3257A	28
4	0	0	0	√									CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 4 VIDEO OUTDOOR STATIONS	SV102-3078B	18
					√								CONNECTION OF A CALL REPEATER RELAY IN PARALLEL TO THE VIDEO DOOR PHONE	SV102-0782D	31
					√								CONNECTION OF 3 VIDEO DOOR PHONE EXTENSIONS IN PARALLEL TO A SYSTEM WITH VIDEO DOOR UNIT The video door phones are called at the same time	SV102-2132E	32
					√	√							CONNECTION OF 3 INTERCOM VIDEO DOOR PHONE EXTENSIONS TO A SYSTEM WITH VIDEO DOOR UNIT Single call from outside with concurrent power-on	SV102-1349E	34
										√			CONNECTION IN PARALLEL OF 1 VIDEO DOOR PHONE AND 1 DOOR PHONE	SV102-1574C	30
										√			CONNECTION OF A CALL REPEATER RELAY IN PARALLELTO THE VIDEO DOOR PHONE	SV102-1469D	30

K = number of columns with panel

NOTE: *The diagrams shown in this table can be made using Sinthesi, K-Steel, 725 panel models.*

WITH COLOUR CAMERA

LIST OF AVAILABLE FUNCTIONS

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	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	Intercom function: users can communicate with each other	Auto-on: users can switch the video door phone on also if no call is received	Monitor with CCTV cameras	Use of devices in parallel with a video door phone	Use of free-hands Utopia video door phone	Door open indicator on video door phone	DIAGRAM DESCRIPTION	DIAGRAM	PAG
1	0	0	√								CONNECTION OF SEVERAL COLOURS VIDEO DOOR PHONES TO 1 VIDEO OUTDOOR STATION	SV102-3063A	38
1	0	0	√						√	√	CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 DOOR UNIT Door open indicator on video door phones	SV102-3228A	40
1	0	0	√		√						CONNECTION OF 3 INTERCOM UTOPIA VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT	SV102-3219	46
1	0	0	√			√	√				CONNECTION OF SEVERAL VIDEO DOOR PHONES TO 1 OUTDOOR STATION EQUIPPED WITH A SEPARATE CCD TV CAMERA Possibility of automatic connection by the video door phones to the TV camera	SV102-3118C	10
1	0	0	√			√	√		√		CONNECTION OF 1 VIDEO DOOR PHONE TO 1 VIDEO OUTDOOR STATION Possibility of automatic activation of a second control tv camera	SV102-3119A	12
1	0	0		√	√						CONNECTION OF 2 INTERCOM UTOPIA VIDEO DOOR PHONES WITH POSSIBILITY OF ANSWERING CALLS FROM 1 ELECTRICAL VIDEO DOOR UNIT Single call from outside with concurrent power-on	SV102-3220	48
1	0	K	√						√		CONNECTION OF N FREE-HANDS COLOUR VIDEO DOOR PHONE COLUMNS TO 1 MAIN VIDEO DOOR UNIT Each column is additionally connected to a specific secondary door unit	SV102-3235	44
1	1	0	√						√		CONNECTION OF N FREE-HANDS UTOPIA COLOUR VIDEO DOOR PHONES TO 1 VIDEO DOOR UNIT AND TO 1 DOOR UNIT	SV102-3227	42
				√							CONNECTION OF A CALL REPEATER RELAY IN PARALLEL TO THE VIDEO DOOR PHONE	SV102-0782D	31
							√				CONNECTION OF A CALL REPEATER RELAY IN PARALLELTO THE VIDEO DOOR PHONE	SV102-1469D	30
							√				CONNECTION IN PARALLEL OF 1 VIDEO DOOR PHONE AND 1 DOOR PHONE	SV102-1574C	30

K = number of columns with panel

NOTE: *The diagrams shown in this table can be made using Sinthesi, K-Steel, 725 panel models.*