

2018

VSYSTEMPRO

GUIDELINE BOOK



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Versions

VERSION	MODIFICATIONS	DATE
V1	1 st shared version	JUNE 2018
V2	Final version	NOVEMBER 2018

Welcome to the world of Vsystem Pro

- Somfy has developed door phones as the main link between access & home equipment.
- Thank to VsystemPro range, SOMFY offers a powerful system to professionals in order to offer unique benefits to end-user whatever the installation. From villa to complex installation, VsystemPro can fit to main needs for residential access control.

Objective of the document

- Improve the product knowledge and communication
- Promote understanding of the system
- Support tools for sales
- To give real examples
- To save installation time



End-user benefits



CONTROL

- Pick-up the calls from inside monitor
- Check the missed thanks to image memory function
- Open the gate and door and control other equipment (rolling shutter, light...)



SECURITY / COMFORT

- Secure and protect your entry by checking the identity of your visitors during day and night
- Private mode, intercom, ringtones choice...

UNIQUE OFFER

- Thanks to Somfy io or RTS compatibility, Indoor monitor becomes the central control point of the house.
- Each monitor from Somfy video door phone range provides the comfort to control up to 5 Somfy radio equipments (or groups of equipments).



Pro benefits



INSTALLATION

- To install complete offer compatible with each SOMFY product
- To respond at every installations type
- To take advantage of a wide range accessories

TRUST RELATIONSHIP

- To profit of SOMFY know-how and to the help support
- To catch the SOMFY houses market
- To create a win-win relation



I. WHAT IS **V**SYSTEM**PRO** ?



I. What is Vsystem Pro ?

▪ Characteristics:

- VSystemPRO is a complete range of video door phones suitable from 1-family villa to 12-dwelling installation
- The aim of this product is to control the access of visitors thanks to a call station which is connected to a monitor through 2 wires.
- From home, it allows to control a motorized gate/door AND/OR an electric lock.
- Unique on the market, the monitor is equipped with an integrated RTS or io radio transmitter which allows to drive up to 5 Somfy io (or RTS) products or groups of products.

▪ For which installation?



Individual house



2-family house



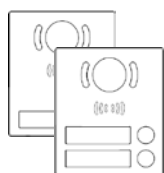
Multi-dwelling
(12 max)



■ Main components:

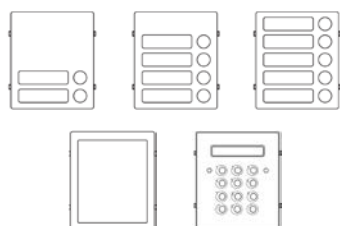
CALL STATION

- Installed in the street.
- Call an apartment of the installation
- Composed of **camera module** and optional **additional module**
- Maximum 4 call stations per installation



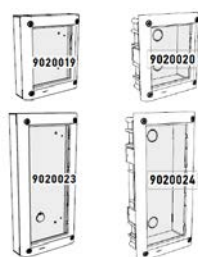
Camera module

- Premium or Origin (1 or 2 button only to PREMIUM version)
- Up to 4 per installation



Additional module

- Multi-button / Information module / Keypad
- Up to 2 additional button module maximum per call station

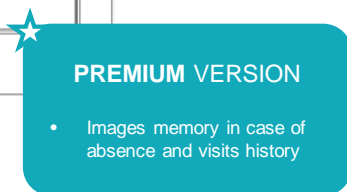
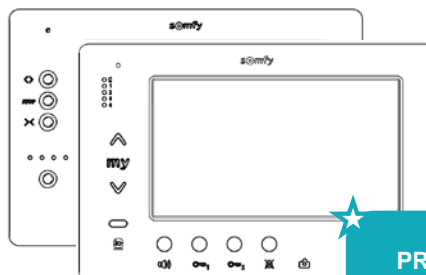


Support

- Flush or surface box
- Rain shield (optional)

MONITOR

- Premium or Origin monitor
- Open and control your access
- Drive your Somfy product (io / RTS)
- Max 4 monitors per apartment



▪ Quick system overview



Call station entry



Most distant monitor



Max 250 m

All elements are connected through 2 wires.

Number of housings:

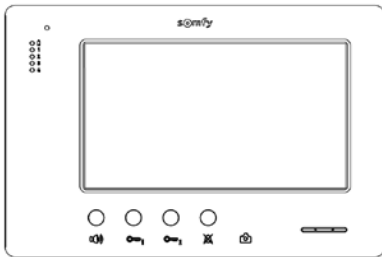
	Minimum	Maximum
Family house	1 family	12 families
Monitor	1 monitor per apartment	4 monitors per apartment *
Call station	1 call station	4 call stations

* The maximum number of monitors depending on the monitor's type (ORIGIN / PREMIUM). For more information, refer to multi-family part.



Vsystem Pro has the particularity to be connected on a BUS network. Each component must be connected on this network with a specific address to work correctly.

▪ Monitor configuration (max 12 addresses)



Inside monitor

SWITCH NO. 8

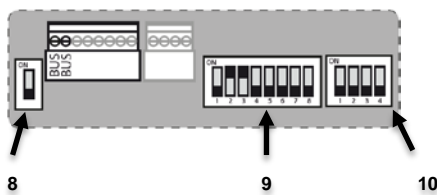
- ON: last monitor on the BUS line
- OFF: other monitors are connected on the BUS line after this one.

SWITCH NO. 9 (C9)

- This switch is used to define the main address (Adr.) of the monitor on the BUS line (see the next slide part “call station configuration”)

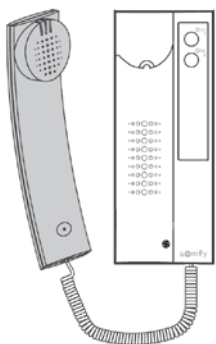
SWITCH NO. 10 (C10)

- This switch is used to define the principle of intercommunication between the different inside monitors. And also if monitor display or not video at call.

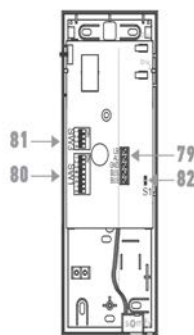


Backside monitor

▪ Indoor handset setup (max 12 addresses)



Indoor handset



Backside handset

SWITCH NO. 82

- ON: last monitor on the BUS line
- OFF: other monitors are connected on the BUS line after this.

SWITCH NO. 80 (SW1)

- This switch is used to define the main address (Adr.) of the monitor on the BUS line (see the next slide part “call station configuration”)

SWITCH NO. 81 (SW3)

- This switch is used to define the principle of intercommunication between the different inside monitors.

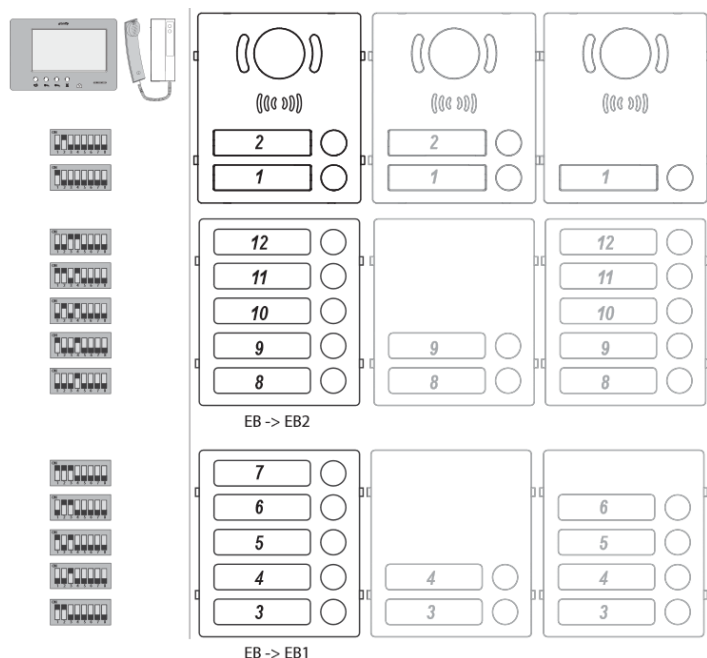


▪ BUS address configuration (max 12 addresses)

Nota: Each call button (on camera module or multi-button module) has a different address

► *I would like to choose the addresses of internal monitors / indoor handsets accordingly to the call buttons address ?*

Call station setup



- Regarding the number of the call buttons in the installation, their assignment number is not changed
- You must to set the No. 9 switch on each monitor and the SW1 (80) switch on each indoor handset accordingly to the call button address

Cable section

Cable	Section (mm ²)	Maximum distance between outdoor module and furthest monitor	Maximum distance between power supply and further monitor	Recommended product
VsystemPro	0.50	250 m	100 m	Recommended by Somfy (Most distance)
CAT 5 UTP/CW 1308	0.22	100 m	50 m	Limited distance
Twisted wire 028	0.28	150 m	50 m	Less distance to Vsystem Pro cable
2 wires	0.50	70 m	50 m	Limited distance

* The “copper coated steel (CCS)” and “copper clad aluminum (CCA)” cables are forbidden, you need 100% copper cables



II. SYSTEM SETUP

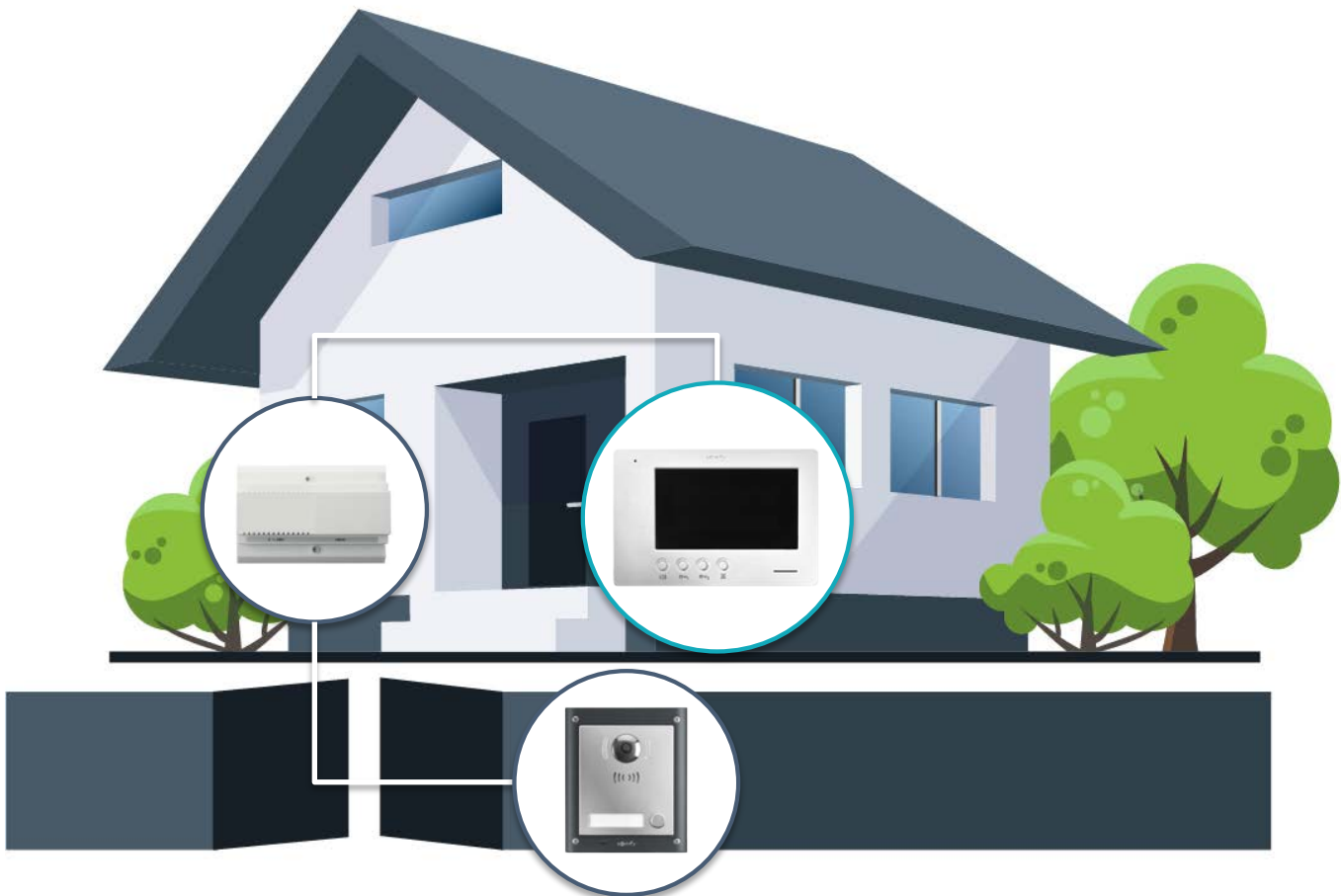


II. System Setup

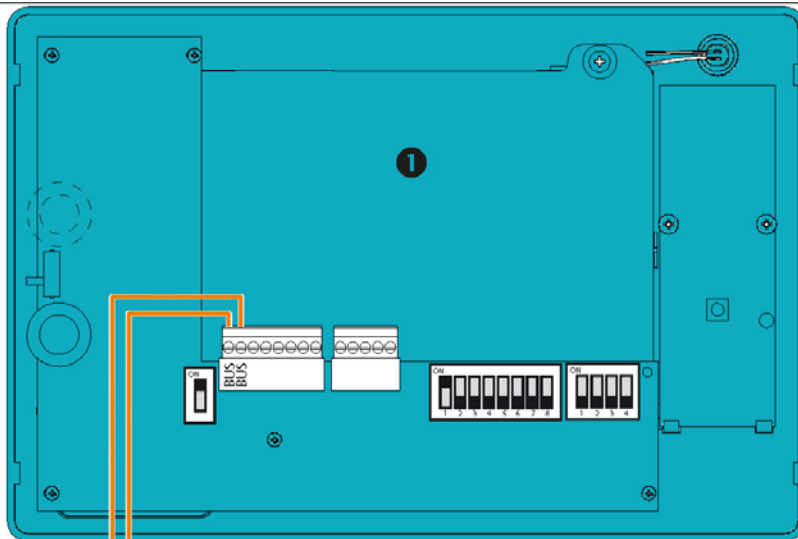
▪ 1-family house

Example of one individual house:

- You can have audio communication between monitors or handsets of the installation through intercom function
- Open the gate/electrical lock from every monitor or handset

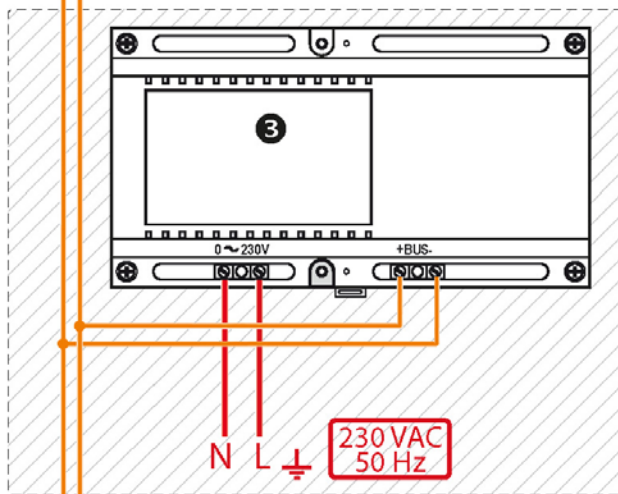


1-family house technical wiring



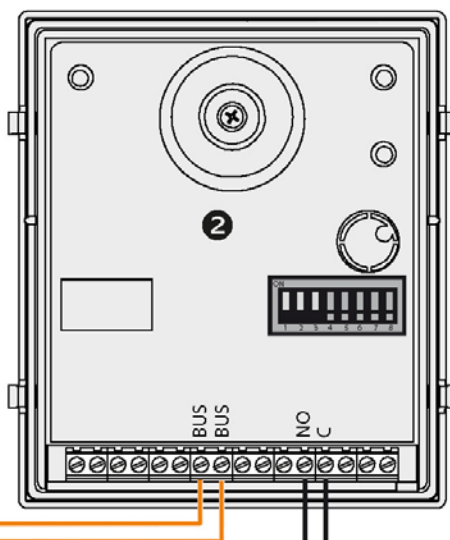
1

1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703



3

9020028	VSP-PS01
---------	----------



2

1841218	VSP-CS01
1841219	VSP-CS02



■ Adding a second monitor

- Possibility to add max 3 monitors per apartment (if you have PREMIUM monitors in the same installation, you can install up to 7 devices, including PREMIUM monitors and Call stations)
- Each of monitors here can be RTS or io. For example, it's possible to have a RTS monitor at street level and an io monitor upstairs.

➤ *I would like to install 2 monitors in the house:*

LOOP IN/LOOP OUT WITH PS01



- Wiring first monitor on power supply (Via BUS connectors)
- Wiring the **BUS** of 1st monitor on the **BUS** of 2nd monitor (respect the polarity) *

➤ *I would like an additional monitor but it's impossible to add via a « loop in/loop out » action (previous case):*

SPLITTED

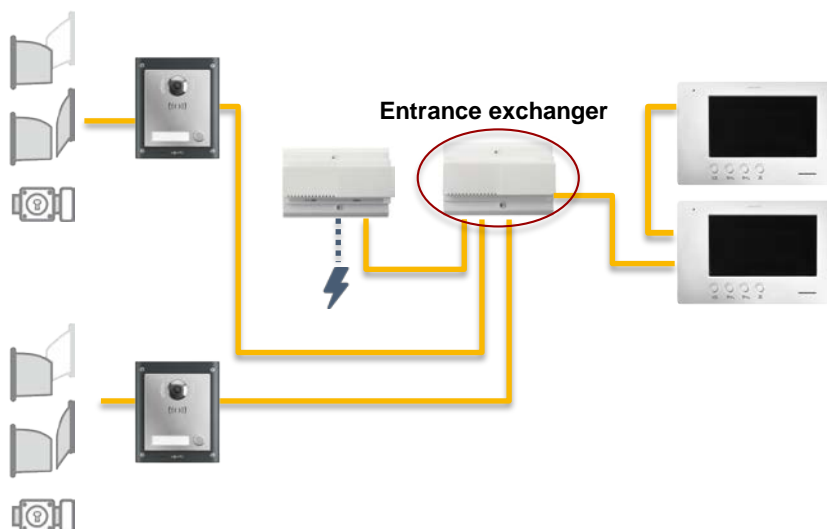


- Add a passive distributor
- Wiring **BUS** of power supply on **BUS** of passive distributor
- Wiring **BUS** of monitors on **BUS** of passive distributor *
- **Nota :** This configuration is only made for simplify the wiring. It is working exactly the same way as in the **previous configuration**.

* **NOTA :** To display the video on each monitor, you can choose LOOP IN/LOOP OUT or SPLITTED solution. However, you must install a 230V **POWER SUPPLY FOR A LARGE SYSTEM (PS02): ref. 9020028 instead of ref.9020027 (PS01)**



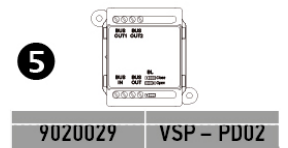
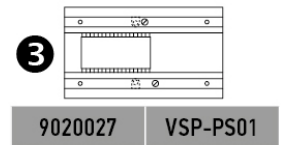
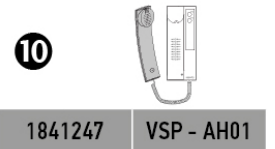
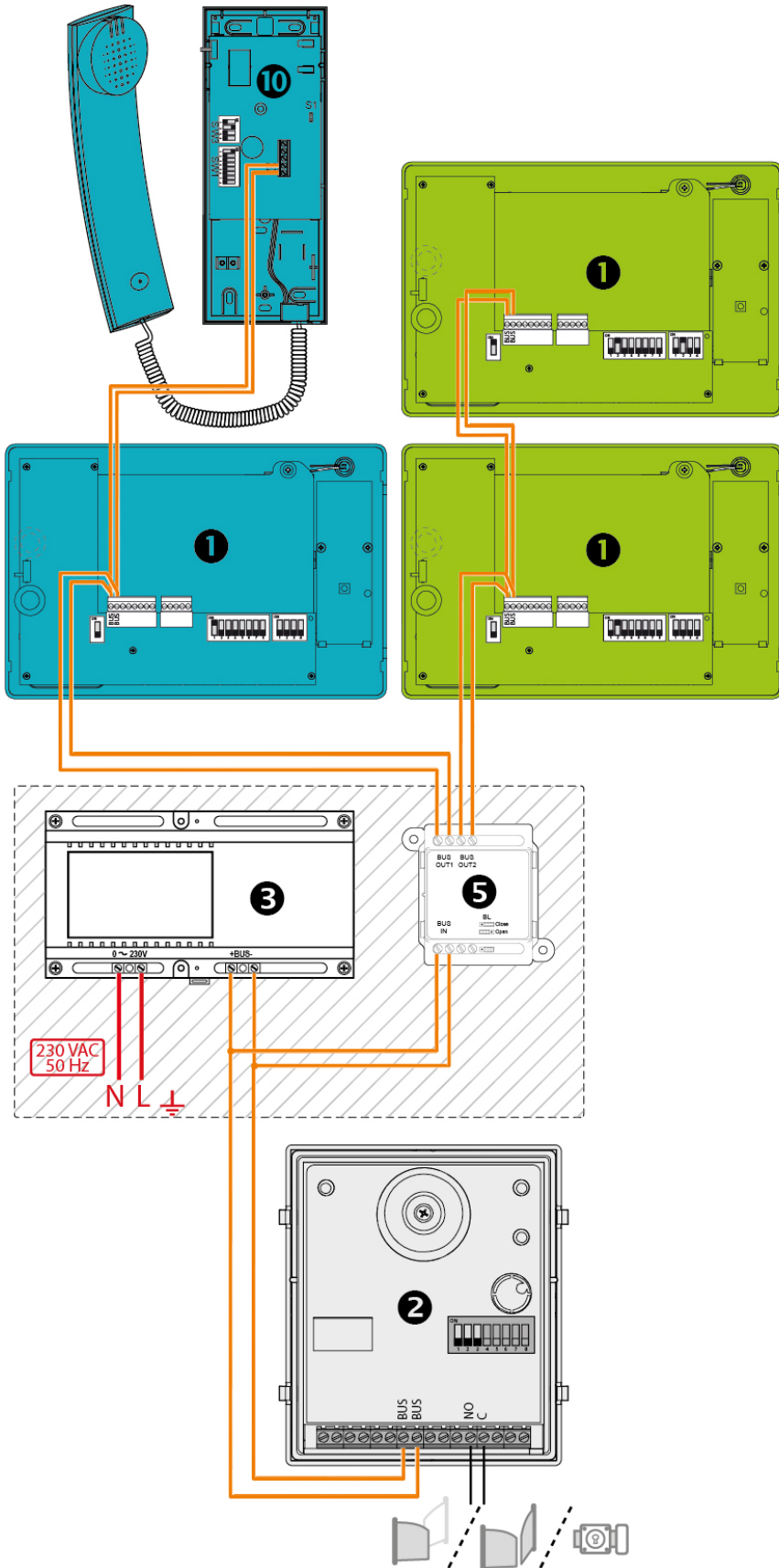
► *I would like to install 2 call stations for 2 different entrances*



- Wiring **BUS** of Call stations on **IN** of the Entrance exchange module (Up to 4 call station module)
- Wiring **BUS** of power supply on **PS1** of Entrance exchange
- Wiring **BUS** of Entrance exchange directly on **BUS** of monitor or Passive distributor
- **Nota :** If you want more information, refer Indoor monitor installation manual



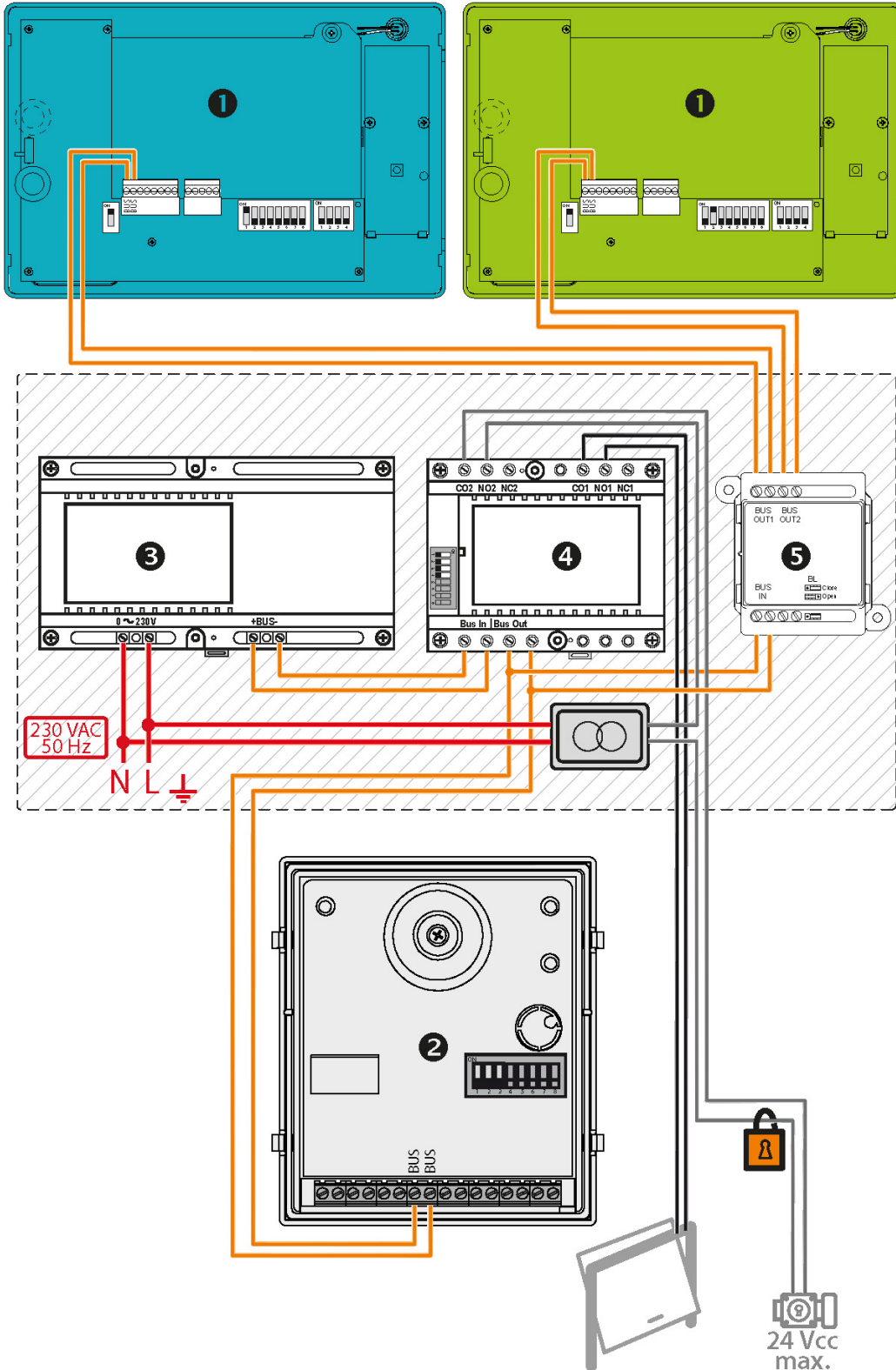
2-family house technical wiring (shared gate)



- 2-family house shared entrance door



2-family house technical wiring (shared entrance door)



1	
1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703

3	
9020028	VSP-PS01

4	
9020332	VSP-AT02

5	
9020029	VSP-PD02

2	
1841221	VSP-CS04



II. System setup

Multi-dwelling configuration



- In multi-dwelling configuration, the system is limited according to **ORIGIN** or **PREMIUM** monitors.
- **Origin** : Full possibility
- **Premium** : limits of 7 PREMIUM devices (Monitor + Call station)

	ORIGIN	PREMIUM
Maximum number of call station	4	4
Maximum number of monitor	48	6
Maximum number of devices per installation	52	7 *

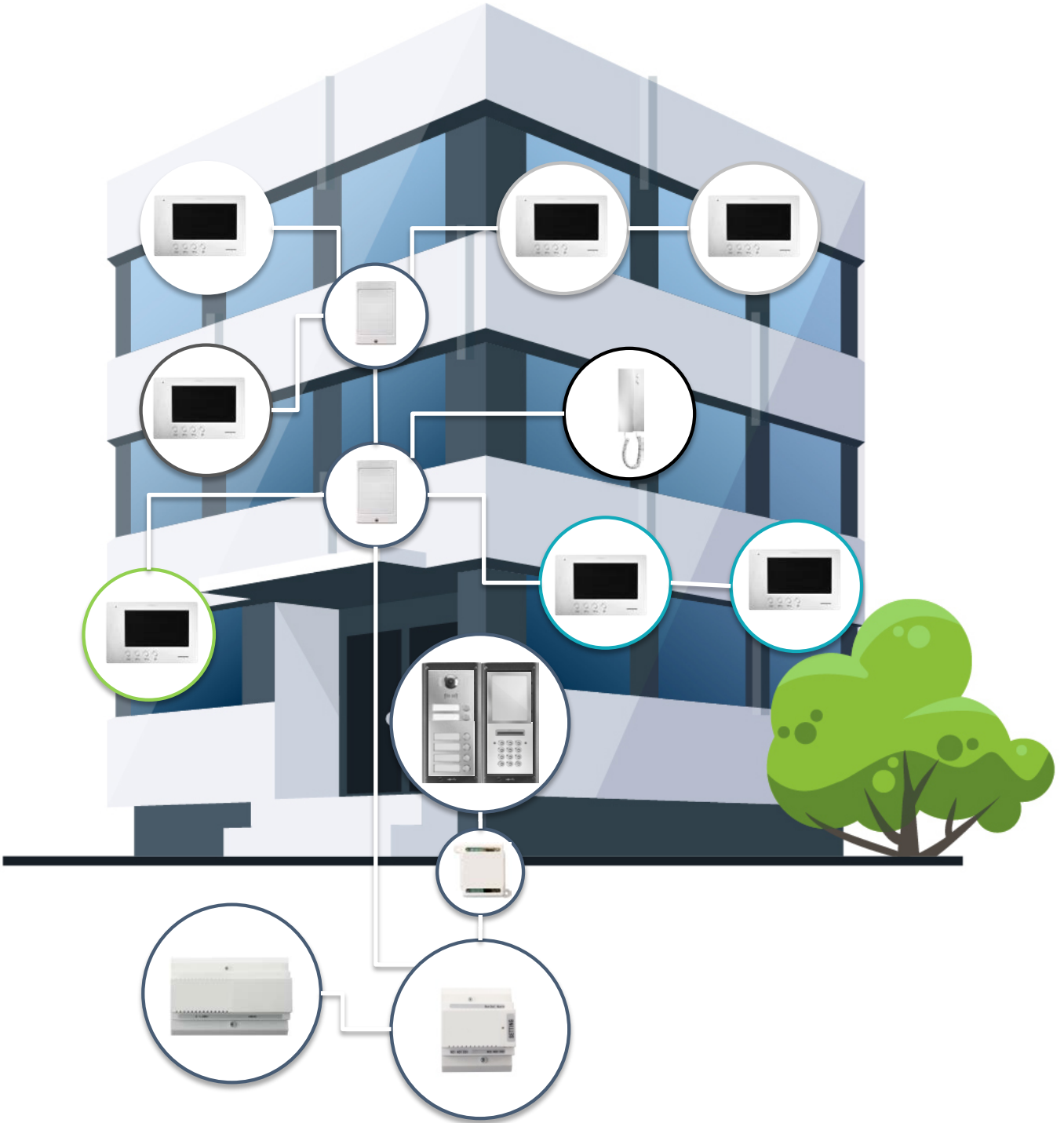
* Due to the standby consumption

► *I would like to install more 7 PREMIUM monitors ?*

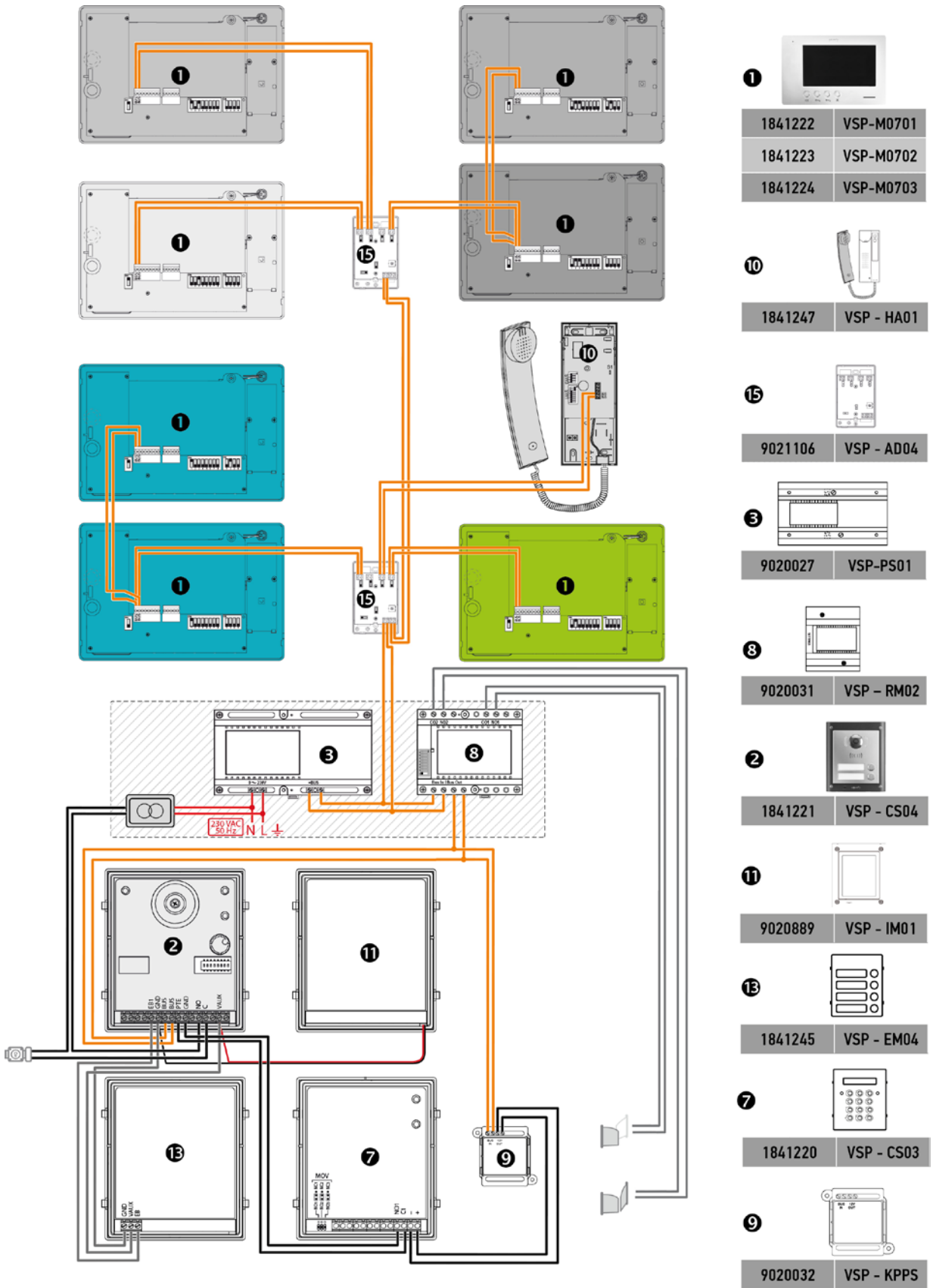
If you wish to install more than 7 PREMIUM monitors, we recommend to install an external power supply.

To have more information about external power supply, refer to the BU Doorphones.



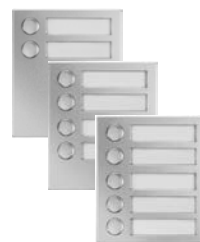


Multi-dwelling configuration technical wiring



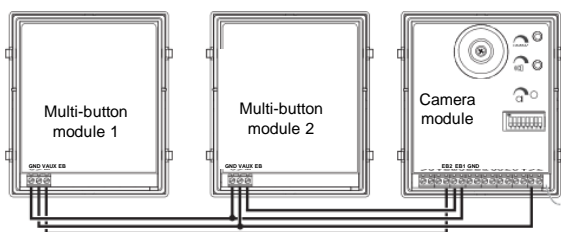
■ Adding multi-button module:

- Possibility to add external modules, in addition of camera module
- Personalize customer entrance (keypad, information module...)



➤ *I would like a solution for multi-dwelling installation*

MULTI-BUTTON MODULE



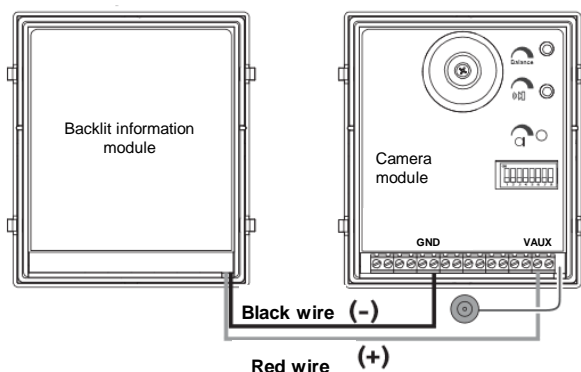
- Wiring **GND** of multi-button module on **GND** of camera module
- Wiring **EB** of multi-button module on **EB (1 or 2)** of camera module
- Wiring **VAUX** of multi-button module on **VAUX** of camera module

Multi-button module	Camera module
GND	GND
VAUX	VAUX
EB	EB1 or EB2

- **Nota :** If the call station is composed of a camera module + single multi-button module, the connection must only be done on EB1.

BACKLIT INFORMATION MODULE

- *I would like to personalize the call panel with house number*
- *I would like to fill a blank support (in case of multi-button modules)*



- Wiring **BLACK WIRE** of information module on **GND** terminal of camera module
- Wiring **RED WIRE** on **VAUX** terminal of camera module
- **Nota :** Check the installation instruction of information module to open the module and write your personal information.



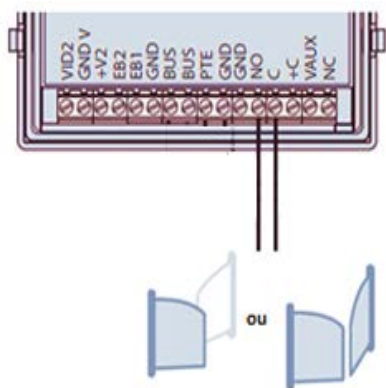


III. CALL STATION SETUP/WIRING



III. Call station setup/wiring

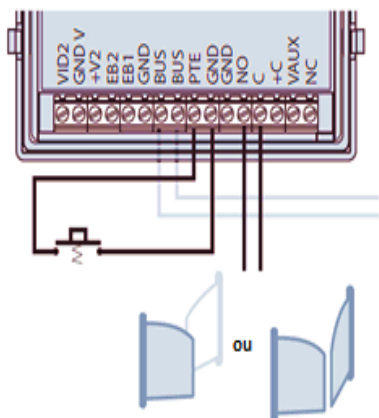
► I would like to open the gate from the indoor monitor



- Wiring the **NO and C terminals** of the call station on the **dry contact terminals** of the gate electronic board (on motor electrical board).

- **Use case with CBX 3S remote cabinet (RTS or io)**
Wiring the NO and C terminals on 30 and 31 (full opening case) or 31 and 32 (pedestrian opening case)
- **Use case with Elixo 500 sliding motor (RTS or io)**
Wiring the NO and C terminals on 10 and 11 terminals (full opening case) or 9 and 10 (pedestrian opening case).
- **Use case with Axovia 220B RTS (integrated cabinet)** Wiring the NO and C terminals on 3 and 4 (full opening case)

► I would like to add a push to exit button



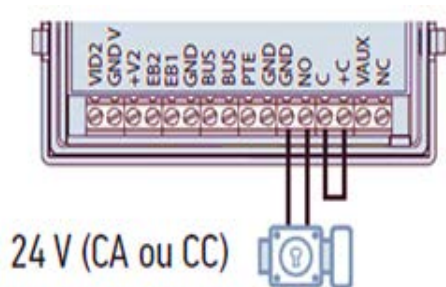
- Wiring the **PTE and GND terminals** of the call station on the **push button**.
- The activate time of the contact is pre-programmed to 1 second, it can be modified as follows, on the door station:

These switches enable the activation time of the relay integrated into the external module to be defined.

Position of the switches	Time	Position of the switches	Time
	1 s		5 s
	2 s		10 s



► *I would like to connect an electric lock strike with call memory*

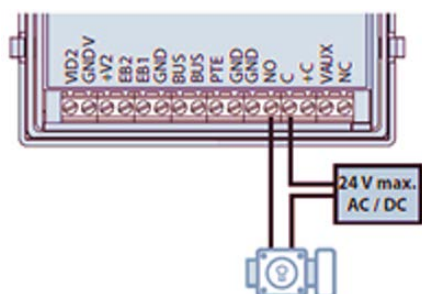


1. Make connection between C and + C
2. Wiring the NO and GND terminals of the door unit to the door lock. The activation time of the contact is pre-programmed to 1 second, it can be modified as follows:

These switches enable the activation time of the relay integrated into the external module to be defined.

Position of the switches	Time	Position of the switches	Time
	1 s		5 s
	2 s		10 s

► *I would like to connect an electric lock strike without call memory*



- Wiring the **NO** contact on the latch.
- Powering the **C** contact via a transformer (or a 24V output)
- Connect the transformer or the 24V output to the latch.
- The activation time of the contact is pre-programmed to 1 second and must be modified as follows, on the door station (5 or 10 sec):

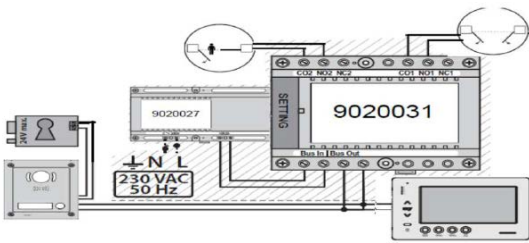
/!\ To drive the latch with badge reader, you can connect the latch on call station relay module.

These switches enable the activation time of the relay integrated into the external module to be defined.

Position of the switches	Time	Position of the switches	Time
	1 s		5 s
	2 s		10 s



► **In addition of my electric lock, I would like to control a total door opening AND a partial door opening from the monitor ?**



Wiring the "BUS in" terminals of the relay (ref 9020031) on the "BUS" of the power supply. Wiring the "BUS out" of the relay on the monitor bus or from the call station

1. Use case with CBX remote cabinet (RTS or IO)

Wiring the NO1 and CO1 on terminals 30 and 31 (to opening case total) and the NO2 and CO2 terminals on 31 and 32 (case of an opening pedestrian).

2. Use case with Elixo 500 sliding motor (RTS or IO)

Wiring the NO1 and CO1 on terminals 10 and 11 (opening case total) and NO2 and CO2 at terminals 9 and 10 (case of an opening pedestrian).

3. Use case with 220B RTS (integrated cabinet)

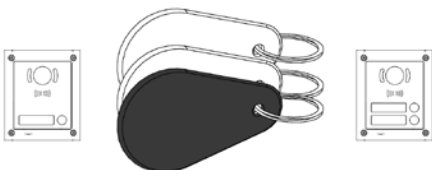
Wiring the NO1 and CO1 on terminals 3 and 4 (total opening case only).

Then set the relay like this :



► **I would like to install badge reader on my call station :**

!/\ Only on PREMIUM offer :



1. The badge reader is integrated in the camera module
2. You can to drive up to 2 relay modules
3. You can to save up to 50 tags maximum (1 Master Badge, 49 User badges)

• Possible to order additional badges (**ref : 1875067**)

➔ No importance of the color of additional badges

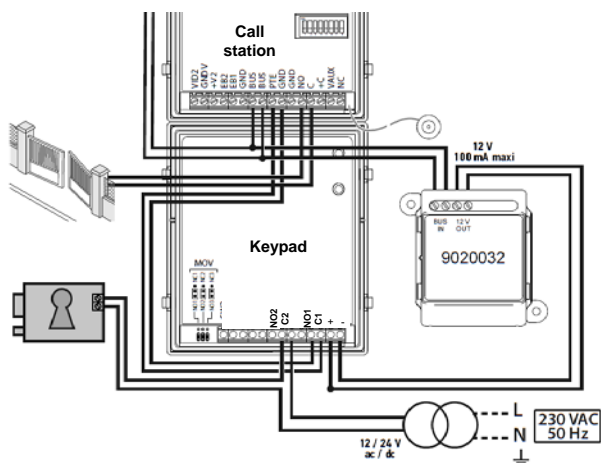


▪ Adding keypad module:



- *I would like a keypad module with the call station to control the electrical latch and the gate (optional)*

KEYPAD MODULE

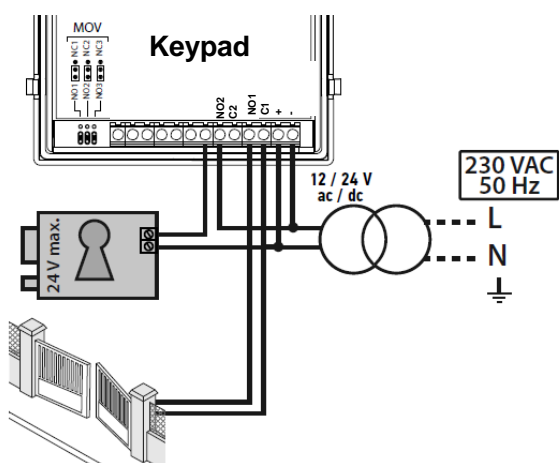


- Wiring **NO2** of Keypad module on electrical latch, wiring **C2** of keypad on **power supply**
- Optional : wiring **NO1** and **C1** of keypad on call station (**PTE & GND**)
- Wiring + and – terminals of the Keypad on passive distributor (**out terminal**)
- Connect **BUS** in to the **BUS**
- Wiring the last wire to the latch on power supply

For more information, mean refer to the keypad module installation instruction.

- *I would like an independant keypad module to open pedestrian access*

KEYPAD MODULE



- **Nota :** This case shows the autonomously use of keypad module. Thus, the keypad is not powered by VsystemPro. It needs an external 12/24V power supply.
- Wiring **NO2** of Keypad module on electrical latch, wiring **C2** of keypad on **external power supply**
- Optionnal : wiring **NO1** and **C1** of keypad on dry contact of the gate
- Wiring + and – terminals on external power supply



IV. ANTI-TAMPER RELAY MODULE SETUP/WIRING

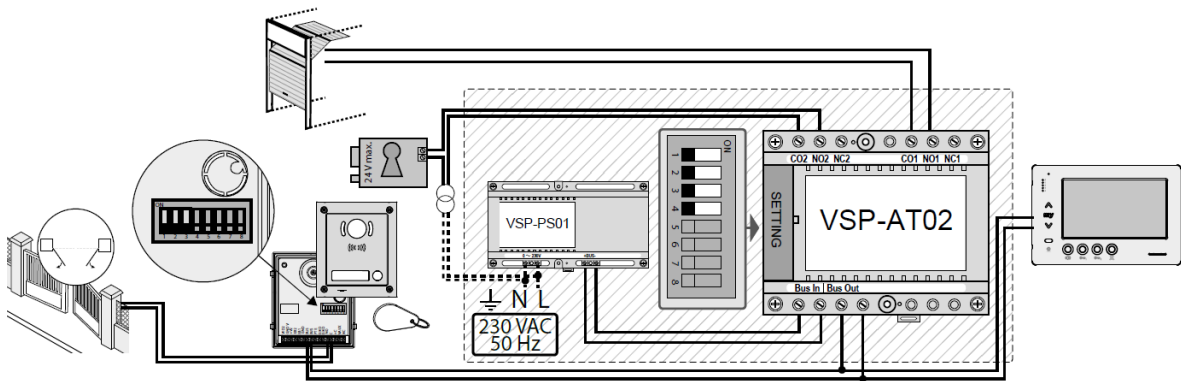


IV. Anti-tamper relay module setup/wiring

■ What is anti-tamper relay module?

- This accessory is dedicated to installations which control directly the main entrance door lock. It allows to secure your entry via an anti-tamper function. The door lock can be opened through indoor monitor or badge reader, through the bus, not by dry contact of the call-station.
- From the monitor, You can control two relay outputs (gate or door).

➤ *I would like to install an anti-tamper relay module to secure my home*



/!\ To secure your entry via an anti-intrusion function and drive your equipments.

■ If you have a Gate and electric lock:

- Wiring the anti-tamper relay module directly on the **BUS** of the power supply trough o the **BUS IN terminal of Anti-Tamper**
- Connect **BUS OUT** of the anti-tamper on the **connection between call station and monitor**
- Wiring **CO1** and **NO1** on your gate motorization
- Wiring **CO2** and **NO2** on your electrical latch



V. SYSTEM FUNCTIONS



V. System functions

■ Visitor Call





- Press the button(s) of the call station to call an apartment. You will hear a sound on call station to confirm your call.
- The communication starts when the monitor picks up the call (Maximum time → 1 or 2 minutes according to configuration of the monitor's switch number 6).



■ Monitor during a call

- During a call, you can see the visitor through to the camera module.





-  Pick-up the communication
-  Open gate/door
-  External relay module activation
-  Silent mode

■ Display video on each monitor monitor or not

- VSystemPro allow to ring and display video on each monitor in same apartment or to have one monitor ringing and displaying video and second one just ringing.
- Setup the video display via switch number 10 and only if you have power supply for a large system (PS02).






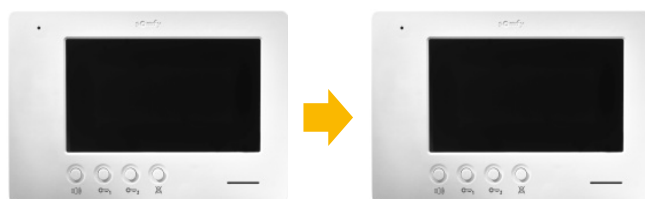
■ Street overview

- You can activate the external module at any time by simply pressing on the  button.
- To stop the communication with the door station, press again the  button.



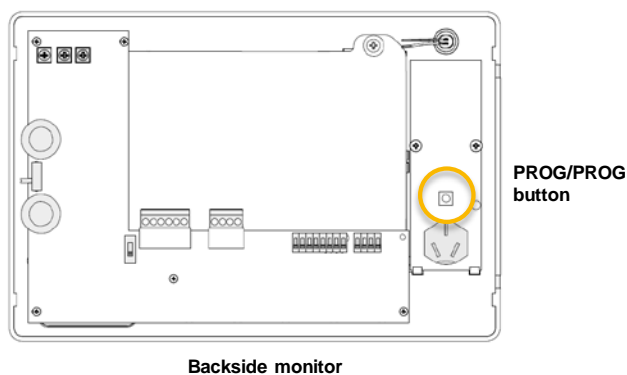
■ Intercom

- On the 1st monitor, press the  button, the number of times corresponding to the address or the extension of the monitor to be called.
- The called monitor rings
- On the 2nd monitor, press the  button.
- Audio communication is open between the two monitors.
- To end the communication, press the  button on one of monitors.



■ Somfy io / RTS

- VSYSTEM PRO is equipped of io or RTS SOMFY technology. Each indoor monitor has an integrated remote control (io / RTS according to the installation).
- You can control your product or group of products directly from the monitor (rolling shutter, EVB, Light, Gate/door...).
- As a standard Telis RTS or Situo io, pair the monitor to other SOMFY products via PROG/PROG process.



VI. CATALOG



VI. Catalog

Monitor / handset :



	Premium io	Origin io
	Ref. 1841224	Ref. 1841223
Screen	Color / 7" 17.7 cm / Image resolution : 800 x 480 pixels	Color / 7" 17.7 cm / Image resolution : 800 x 480 pixels
Communication	Hands free	Hands free
Settings	Screen brightness, Contrast, Colours, Ajustable sound level for ring and conversation, 8 ringtones available	Screen brightness, Contrast, Colours, Ajustable sound level for ring and conversation, 8 ringtones available
Functions	Up to 8 relays activation / Intercom / Privacy Image memory (100 pictures capacity + SD card back-up possible)	Up to 8 relays activation / Intercom / Privacy
Fastening	Surface-mounted	Surface-mounted
Dimensions	224 x 150 x 29 mm	224 x 150 x 29 mm
Power supply	2-wire BUS	2-wire BUS
Operating temperature	-10°C to +50°C	-10°C to +50°C
1-way radio transmitter	Radio frequency	io 868,95 MHz
	Range	200 m (free field)
	Power supply	3V type CR 2430
	Number of channels	5



	Origin RTS	Indoor audio handset
	Ref. 1841222	Ref. 1841247
Screen	Color / 7" 17.7 cm / Image resolution : 800 x 480 pixels	
Communication	Hands free	Handset (ideal for privacy)
Settings	Screen brightness, Contrast, Colours, Ajustable sound level for ring and conversation, 8 ringtones available	Adjustable sound level for ringing
Functions	Up to 8 relays activation / Intercom / Privacy	Up to 8 relays activation / Intercom
Fastening	Surface-mounted	Surface-mounted
Dimensions	224 x 150 x 29 mm	85 x 218 x 55 mm
Power supply	2-wire BUS	2-wire BUS
Operating temperature	-10°C to +50°C	-10°C to +50°C
1-way radio transmitter	Radio frequency	RTS 433.42 MHz
	Range	200 m (free field)
	Power supply	3V type CR 2430
	Number of channels	5



VI. Catalog

Call station :



	External module Premium	External module Origin
	Ref. 1841219 (1-button)	Ref. 1841221 (2-button)
Ref. 1841210		
Camera	CCD – H160°/V101° 6 IR LEDs for night vision	CCD – H74°/V55° ± 10° 6 IR LEDs for night vision
Material	Aluminium	Aluminium
Button	Mechanical button(s) - Blue backlit (name holder(s))	Mechanical button - Blue backlit (name holder)
Outputs	NO/NC dry contact / Lock output + Push to exit button	NO/NC dry contact / Lock output + Push to exit button
Settings	Speaker volume, Microphone gain, Balance, Activation time of the relay (1, 2, 5 or 10 s)	Vision angle, Speaker volume, Microphone gain, Balance, Activation time of the relay (1, 2, 5 or 10 s)
Access control	Badge reader	
Dimensions	120 x 103 x 33 mm	1320x 103 x 33 mm
Protection index	IP54	IP54
Power supply	2-wire BUS	2-wire BUS
Operating temperature	-20°C to +60°C	-20°C to +60°C



	Multi buttons modules	External keypad module	Information module
	Ref. 1841244 (2-buttons)	Ref. 1841245 (4-buttons)	Ref. 1841246 (5-buttons)
Ref. 1841220			Ref. 902080
Camera			
Material	Aluminium	Aluminium	Plastic
Button	Mechanical buttons - Blue backlit (name holders)	Mechanical buttons - White LEDs	Plastic
Outputs		NO/NC dry contact / Lock output	
Settings		Master code / user codes / relays activation time	Rear lit information module suitable to display information such as a house name or operating instructions. Can be used to fill free spaces on external modules.
Access control		99 user codes / 3 relays	
Dimensions	120 x 103 x 33 mm	120 x 103 x 33 mm	120 x 103 x 33 mm
Protection index	IP 54	IP54	
Power supply	2-wire from main external module	12/24 V ac/dc (or by 2 wires through module ref.9020032)	12/24 V ac/dc from external module
Operating temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C



VI. Catalog

Supports & Power supplies :



Ref. 9020019

Surface support for 1 module

Dimensions
(W x H x D in mm) 134 x 160 x 39 mm



Ref. 9020021

Surface rain shield 1 module

Dimensions
(W x H x D in mm) 136 x 162 x 49 mm



Ref. 9020020

Flush support for 1 module

Dimensions
(W x H x D in mm) 134 x 160 x 64 mm



Ref. 9020022

Flush rain shield 1 module

Dimensions
(W x H x D in mm) 136 x 162 x 29 mm



Ref. 9020023

Surface support for 2 modules

Dimensions
(W x H x D in mm) 134 x 281 x 39 mm



Ref. 9020025

Surface rain shield 2 modules

Dimensions
(W x H x D in mm) 136 x 283 x 49 mm



Ref. 9020024

Flush support for 2 modules

Dimensions
(W x H x D in mm) 134 x 281 x 64 mm



Ref. 9020026

Flush rain shield 2 modules

Dimensions
(W x H x D in mm) 136 x 283 x 29 mm

Power supply units

Power supply unit 230V

For an installation fitted with one door station and up to 20 monitors. The video can only be displayed on one monitor at a time.



Ref. 9020027

Dimensions
(W x H x D in mm) 157,5 x 105 x 65
(9A-type modules on DIN rail)

IP 20

Operating temperature -10°+50°C

Power supply unit 230V for large systems

For an installation fitted with several door stations and up to 100 monitors. The video can be displayed on two monitors at a time.



Ref. 9020028

Dimensions
(W x H x D in mm) 215 x 120 x 69
(12A-type modules on DIN rail)

IP 20

Operating temperature -10°+50°C



VI. Catalog

Additional accessories & Cables :



Ref. 9020030

Entrance exchanger

To connect between 2 and 4 door stations to a single installation; it must be used in combination with a power supply for large systems (ref. 9020028)

Dimensions (W x H x D in mm)	157.5 x 105 x 65 (9A-type modules on DIN rail)
IP	20
Operating temperature	-10/+50°C



Ref. 9021106

Active distributor

To distribute the bus signal to four residences for an installation fitted with multi-button door station.

Dimensions (W x H x D in mm)	70 x 110 x 30 mm
IP	20
Operating temperature	-10/+50°C



Ref. 9020031

Relay module

Two operating modes:

- time-delay relay for controlling an electric lock or driving an additional gate, for example.
- synchronised relay with door station request for operating a bell at high power and a warning light at low voltage.

Dimensions (W x H x D in mm)	88 x 85 x 65 (5A-type modules on DIN rail)
IP	20
Operating temperature	-10/+50°C



Ref. 9020029

Passive distributor

To distribute the bus signal to two residences for an installation fitted with a 2-button door station.

Dimensions (W x H x D in mm)	65 x 60 x 21
IP	20
Operating temperature	-10/+50°C



Ref. 9020032

Anti-tamper relay module

2 time-delay relays with 1 secured relay for controlling the main entrance door of the house.

Dimensions (W x H x D in mm)	88 x 85 x 65 (5A-type modules on DIN rail)
IP	20
Operating temperature	-10/+50°C



Ref. 1875067

Set of 2 badges

To open the gate or the door through the Premium outdoor modules. Compatible with Somfy alarm system keypads.

Dimensions (W x H x D in mm)	35 x 29 x 7
------------------------------	-------------



Ref. 9020032

Converter for keypad module

To power supply keypad module 1841220 from bus.

Dimensions (W x H x D in mm)	65 x 60 x 21
IP	20
Operating temperature	-10/+50°C

Cables



Ref. 9020033

100 m cable

Specific VsystemPRO cable for optimum performance.

Dimensions (W x H x D in mm)	0.5 mm ² cross-sections
------------------------------	------------------------------------



Ref. 9020034

200 m cable

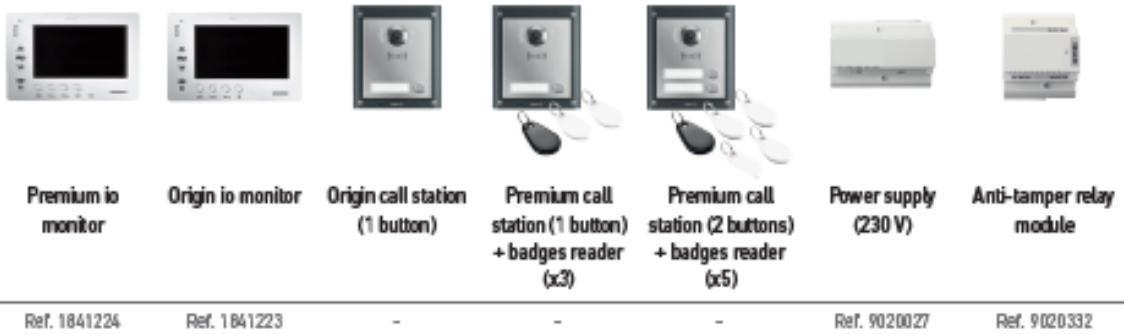
Specific VsystemPRO cable for optimum performance.

Dimensions (W x H x D in mm)	0.5 mm ² cross-sections
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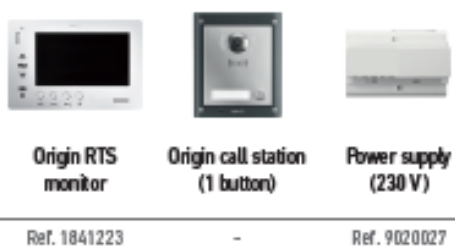
VSYSTEMPRO RANGE PACKS

• io homecontrol technology



	Ref. 1841224	Ref. 1841223	-	-	-	Ref. 9020027	Ref. 9020332
Kit Origin io	-	+1x	+1x	-	-	+1x	-
Ref. 1841226							
Kit premium io 1 button	+1x	-	-	+1x	-	+1x	-
Ref. 1841227							
Kit premium io 2 buttons	+2x	-	-	-	+1x	+1x	-
Ref. 1841228							
Kit premium + io 1 button	+1x	-	-	+1x	-	+1x	+1x
Ref. 1841231							
Kit premium + io 2 buttons	+2x	-	-	-	+1x	+1x	+1x
Ref. 1841232							

• RTS technology



	Ref. 1841223	-	Ref. 9020027
Kit Origin RTS	+1x	+1x	+1x
Ref. 1841225			



VII. WIRING EXAMPLES



Click on the next diagrams to use directly the dynamic links





1 FAMILY INSTALLATION

P 45	VsP-cab101	1		P 51	VsP-cab107	7	
P 46	VsP-cab102	2		P 52	VsP-cab108	8	
P 47	VsP-cab103	3		P 53	VsP-cab109	9	
P 48	VsP-cab104	4		P 54	VsP-cab110	10	
P 49	VsP-cab105	5		P 55	VsP-cab111	11	
P 50	VsP-cab106	6					





MULTI-DWELLING

Page	Nom schéma	
P 57	VsP-cab211	<p>1</p>
P 58	VsP-cab212	<p>2</p>
P 59	VsP-cab213	<p>3</p>
P 60	VsP-cab214	<p>4</p>

Page	Nom schéma	
P 61	VVsP-cab301	<p>5</p>
P 62	VsP-cab302	<p>6</p>
P 63	VsP-cab303	<p>7</p>
P 64	VsP-cab304	<p>8</p>
P 65	VsP-cab305	<p>9</p>

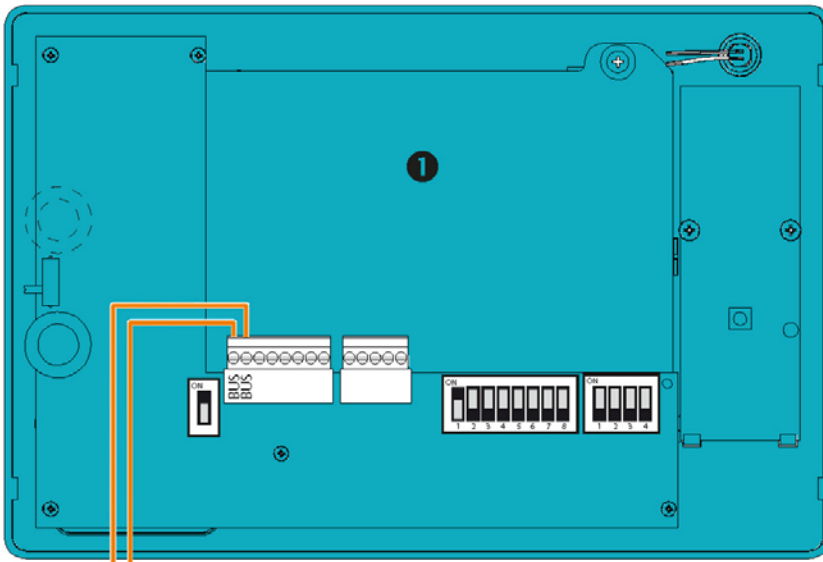


1-family installation



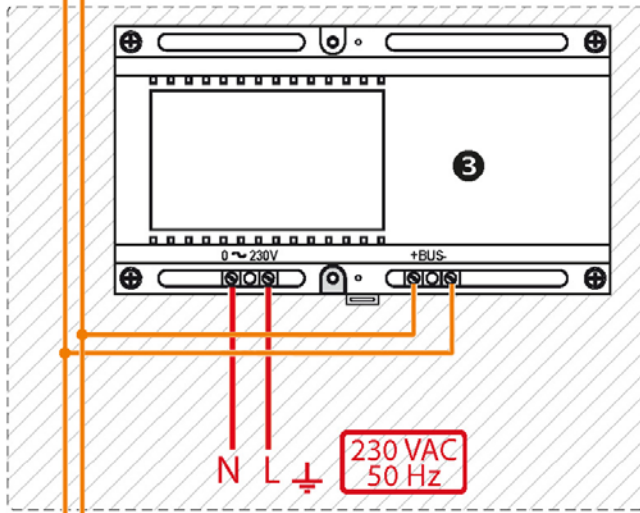
Click on the next diagrams to use directly the dynamic links





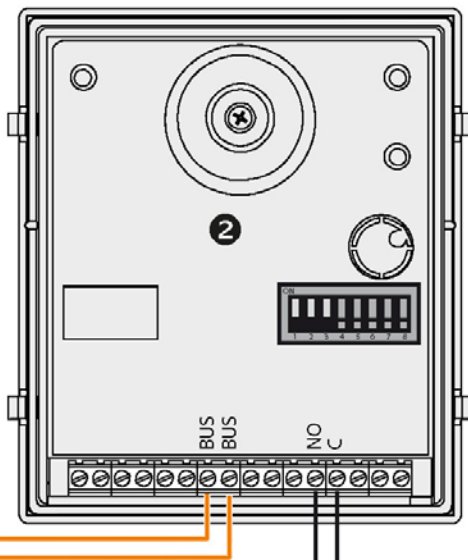
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1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703



3

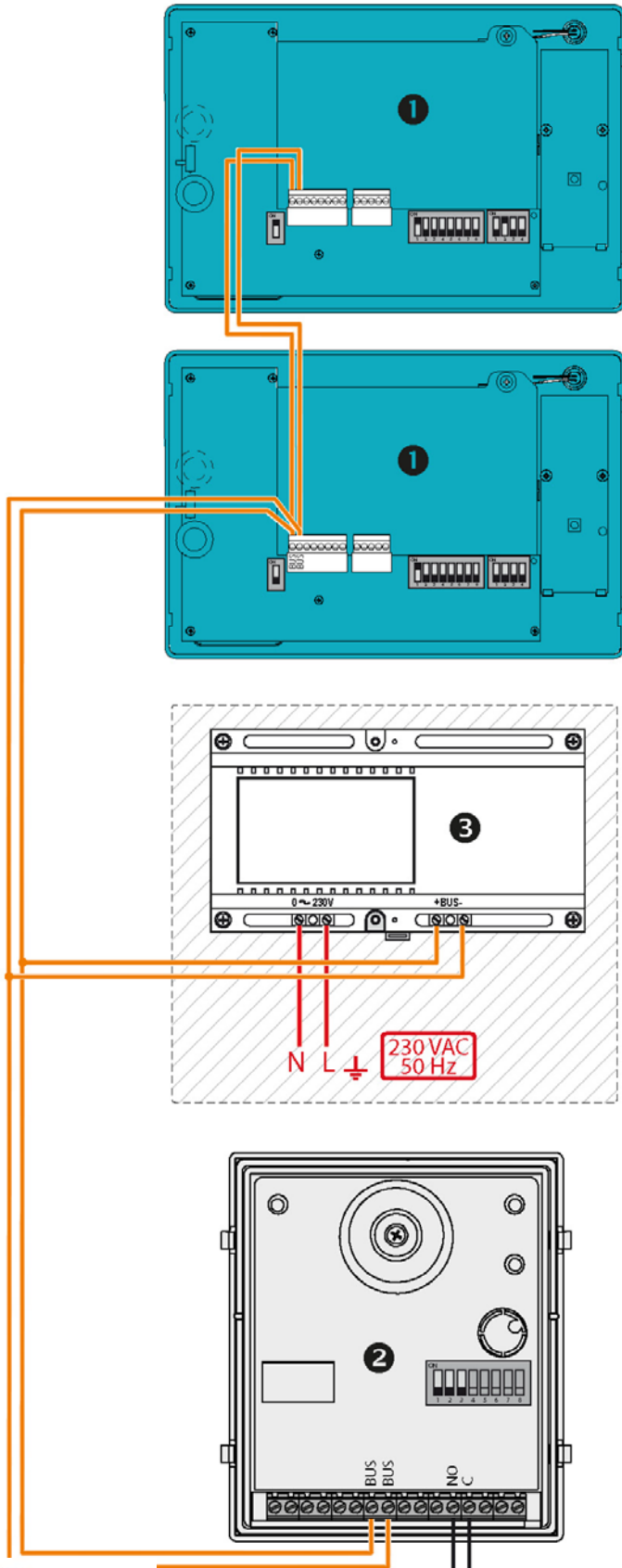
9020027	VSP-PS01
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2

1841218	VSP - CS01
1841219	VSP - CS02





1

1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703

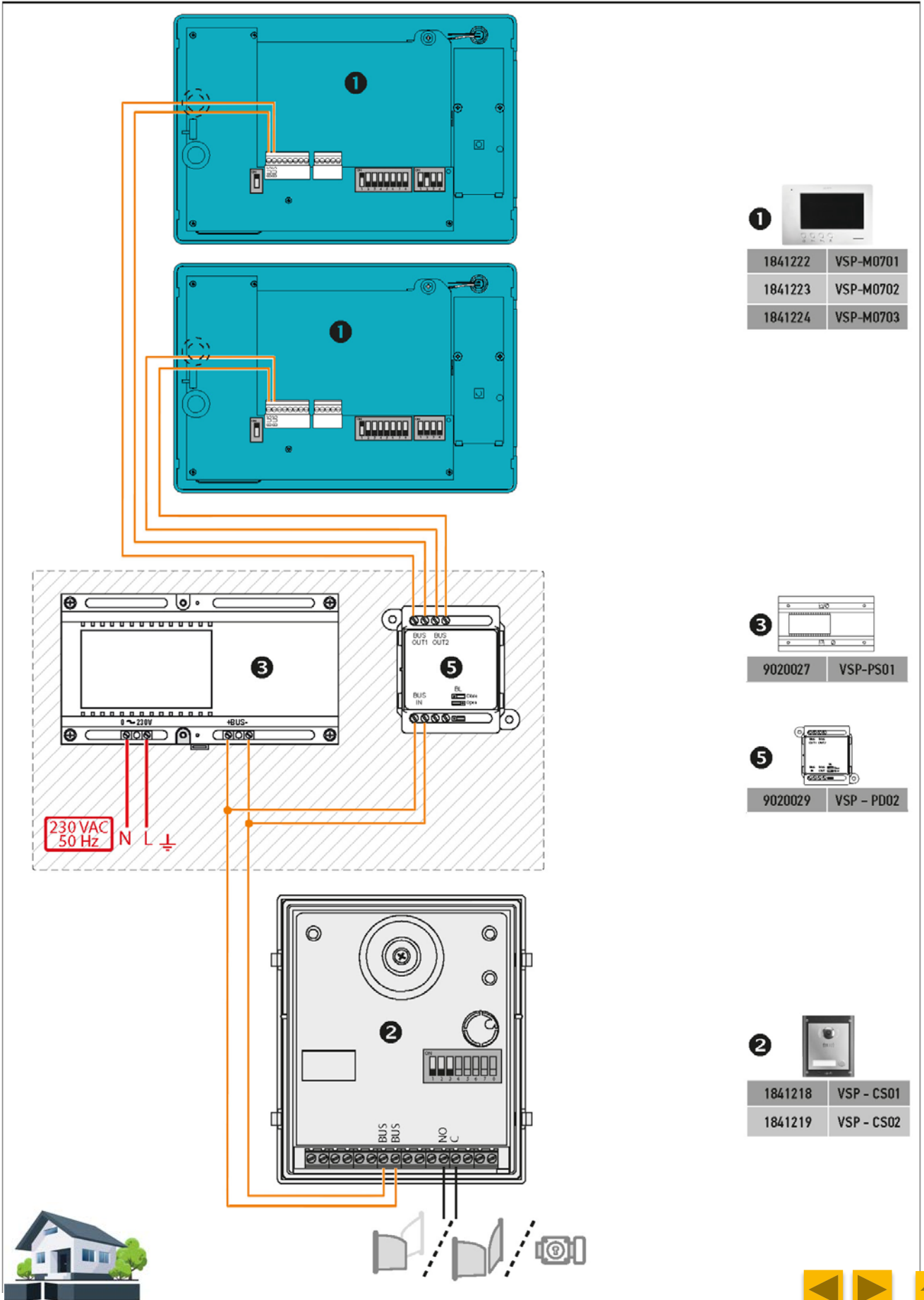
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9020027	VSP-PS01
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2

1841218	VSP - CS01
1841219	VSP - CS02





1

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1841223	VSP-M0702
1841224	VSP-M0703

3

9020027	VSP-PS01
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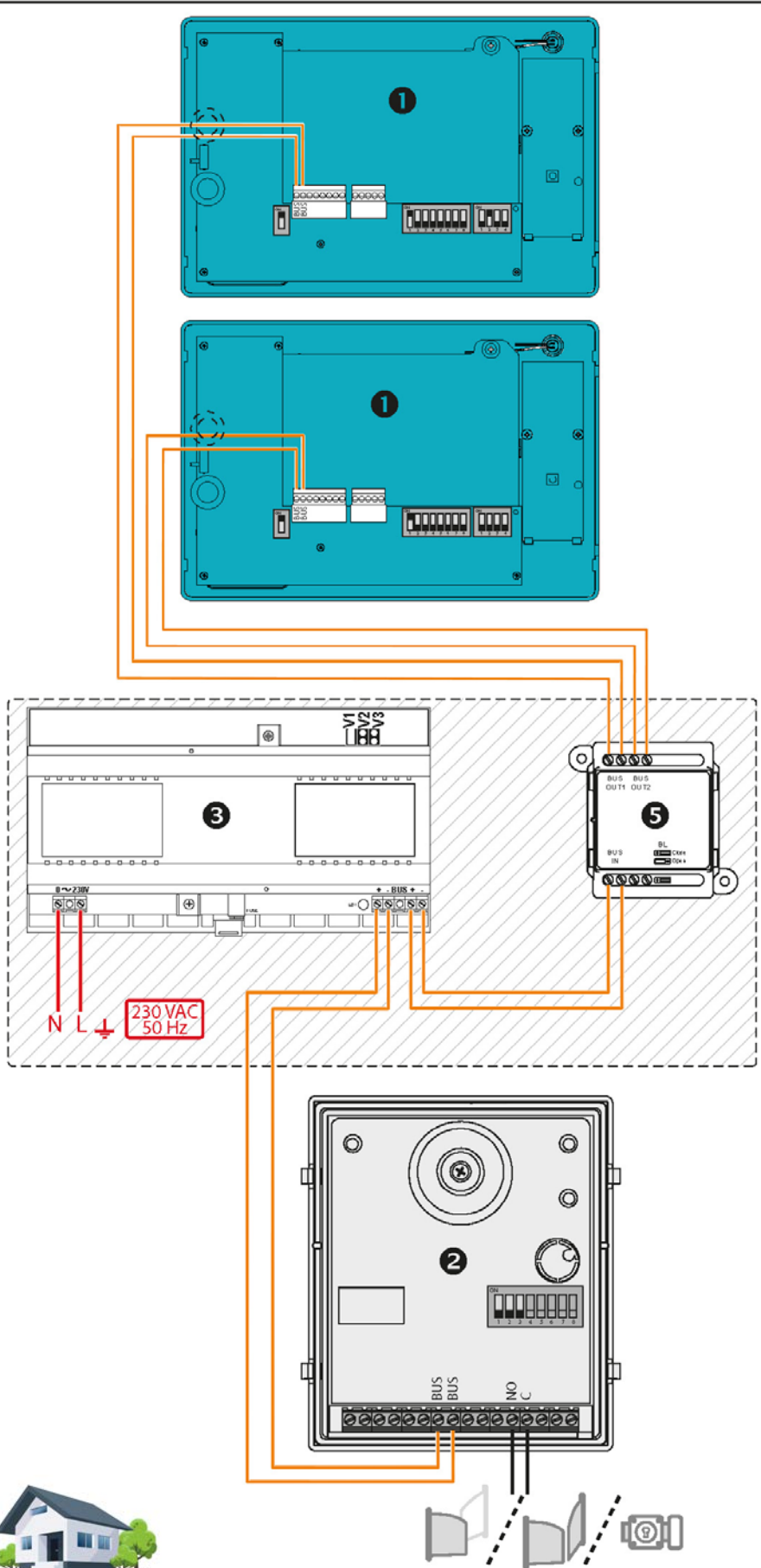
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9020029	VSP-PD02
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2

1841218	VSP-CS01
1841219	VSP-CS02





1

1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703

3

9020028	VSP-PS02
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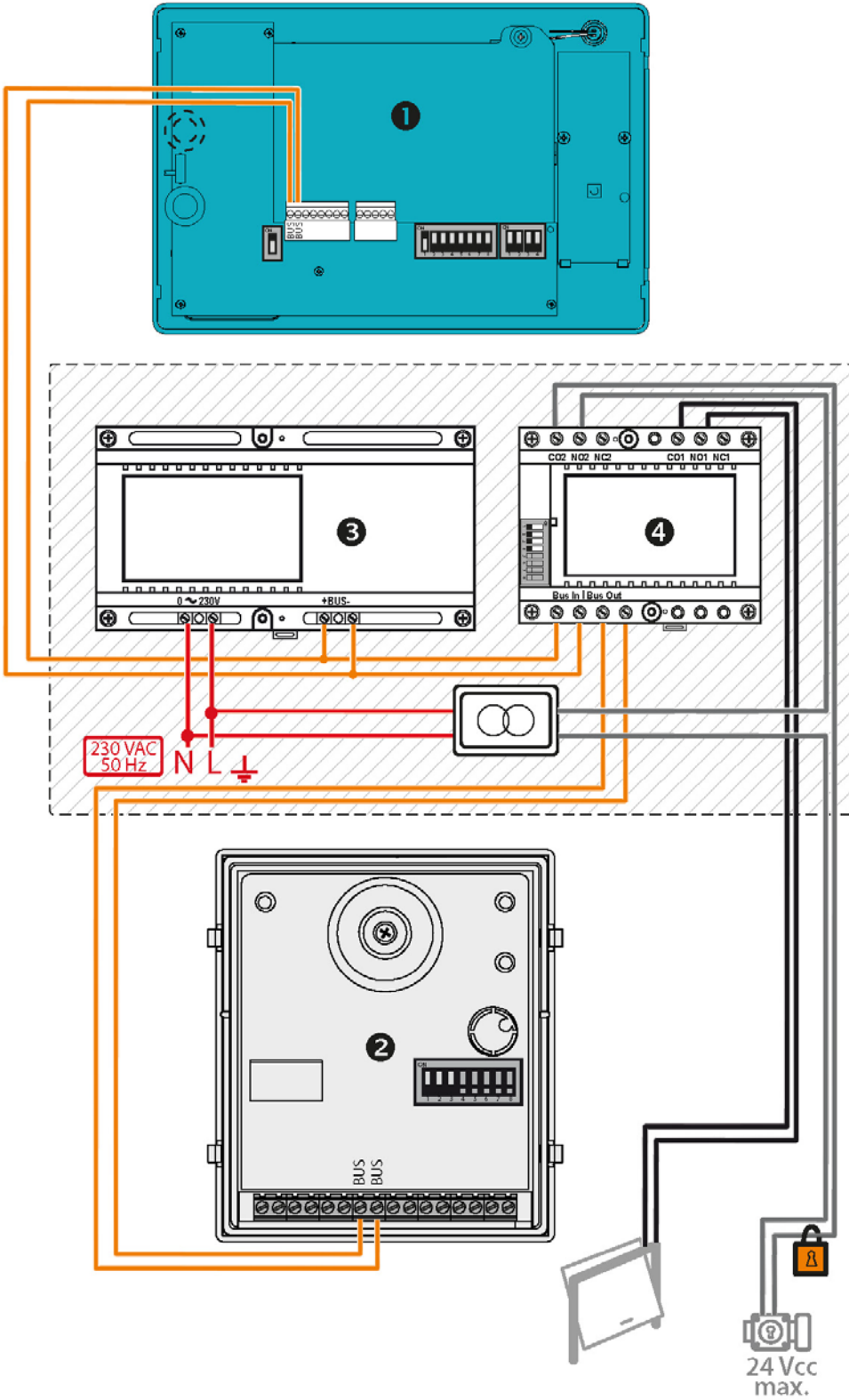
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9020029	VSP-PD02
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2

1841218	VSP-CS01
1841219	VSP-CS02





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1841224	VSP-M0703

3

9020027	VSP-PS01
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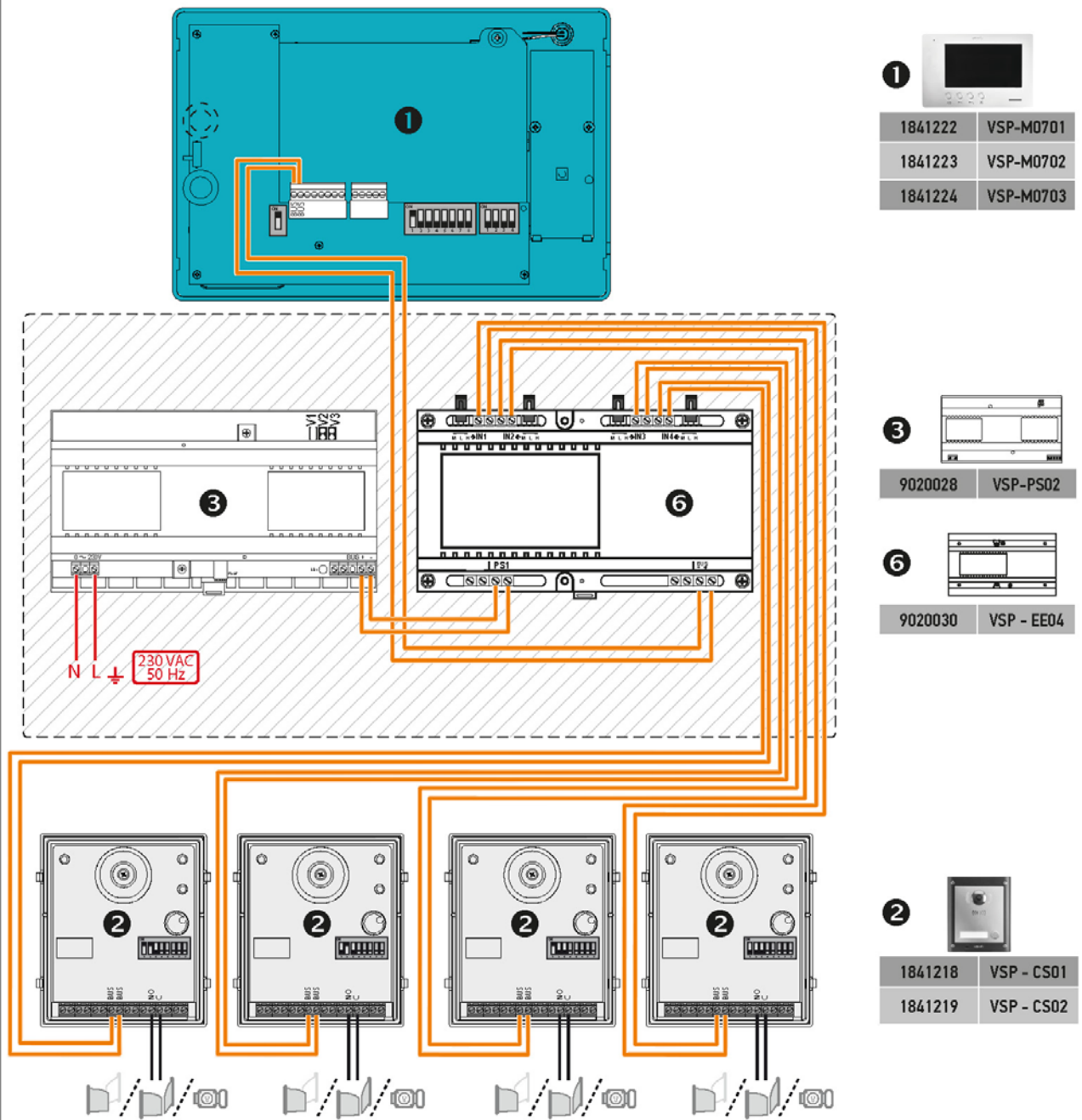
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9020332	VSP-AT02
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2

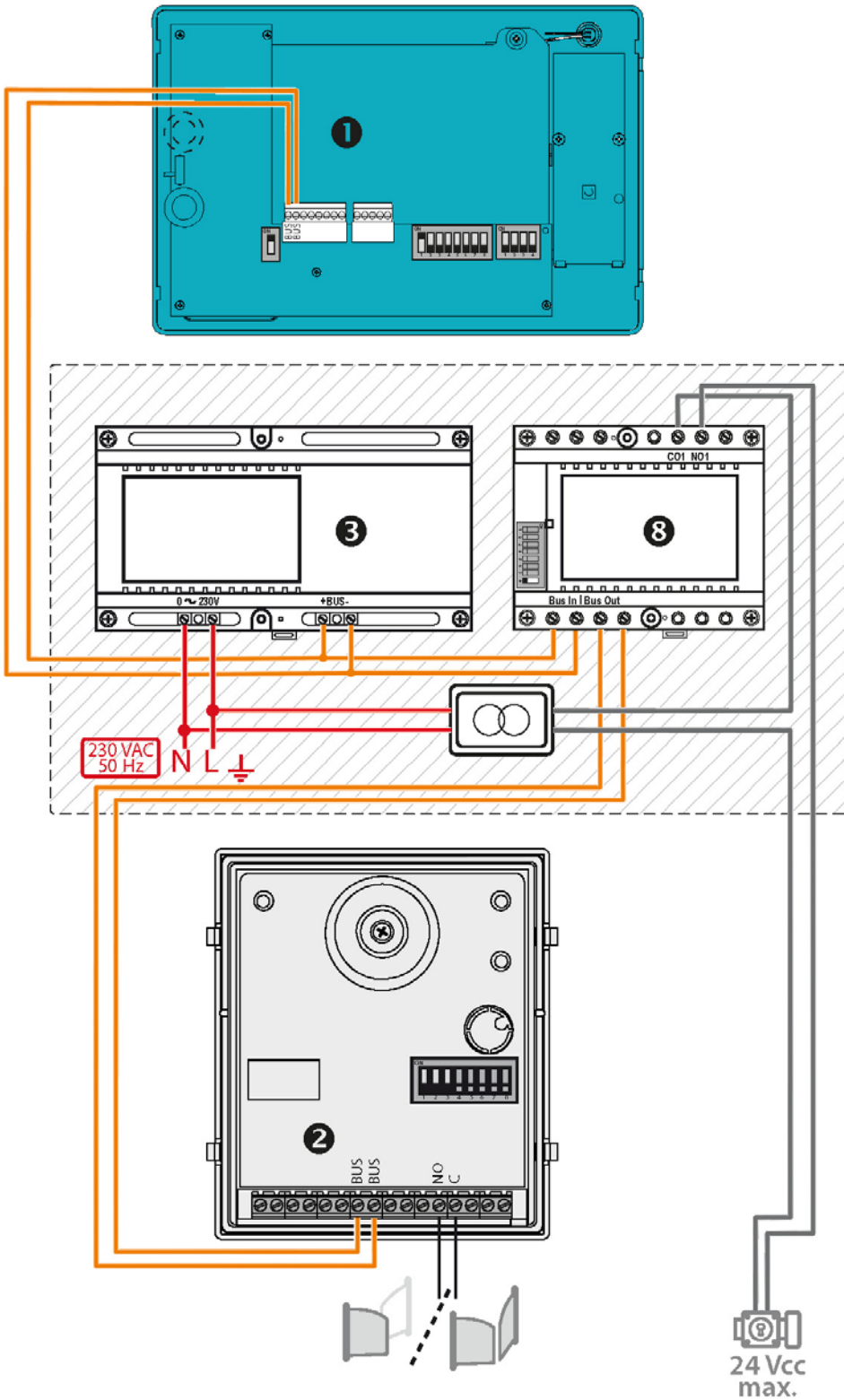
1841218	VSP-CS01
1841219	VSP-CS02





* In case of multi-entrance and with PREMIUM monitors, you can increase the image quality of the system (go to see the « Helping part » of this document)





1

1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703

3

9020027	VSP-PS01
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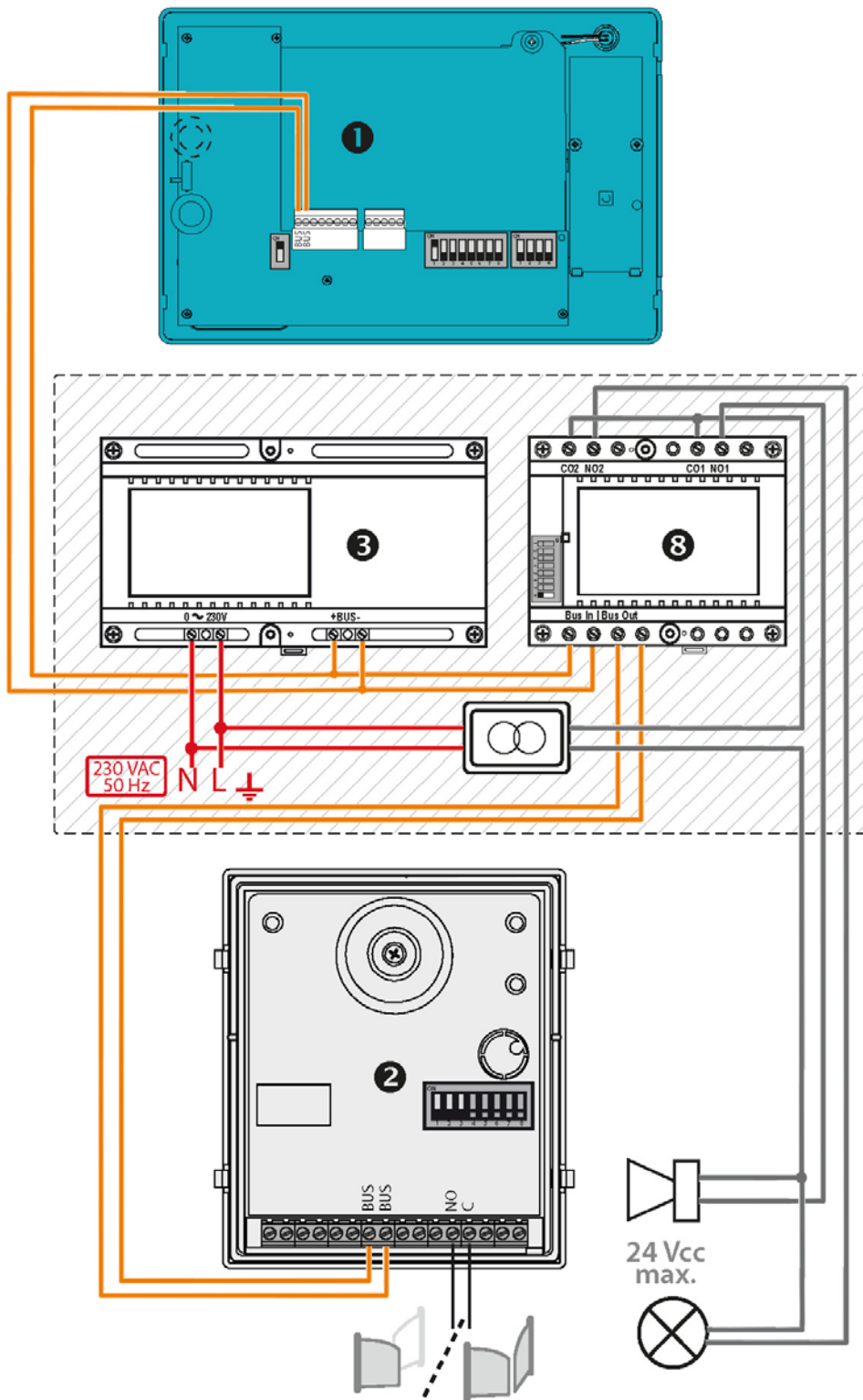
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9020031	VSP - RM02
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2

1841218	VSP - CS01
1841219	VSP - CS02





1

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1841224	VSP-M0703

3

9020027	VSP-PS01
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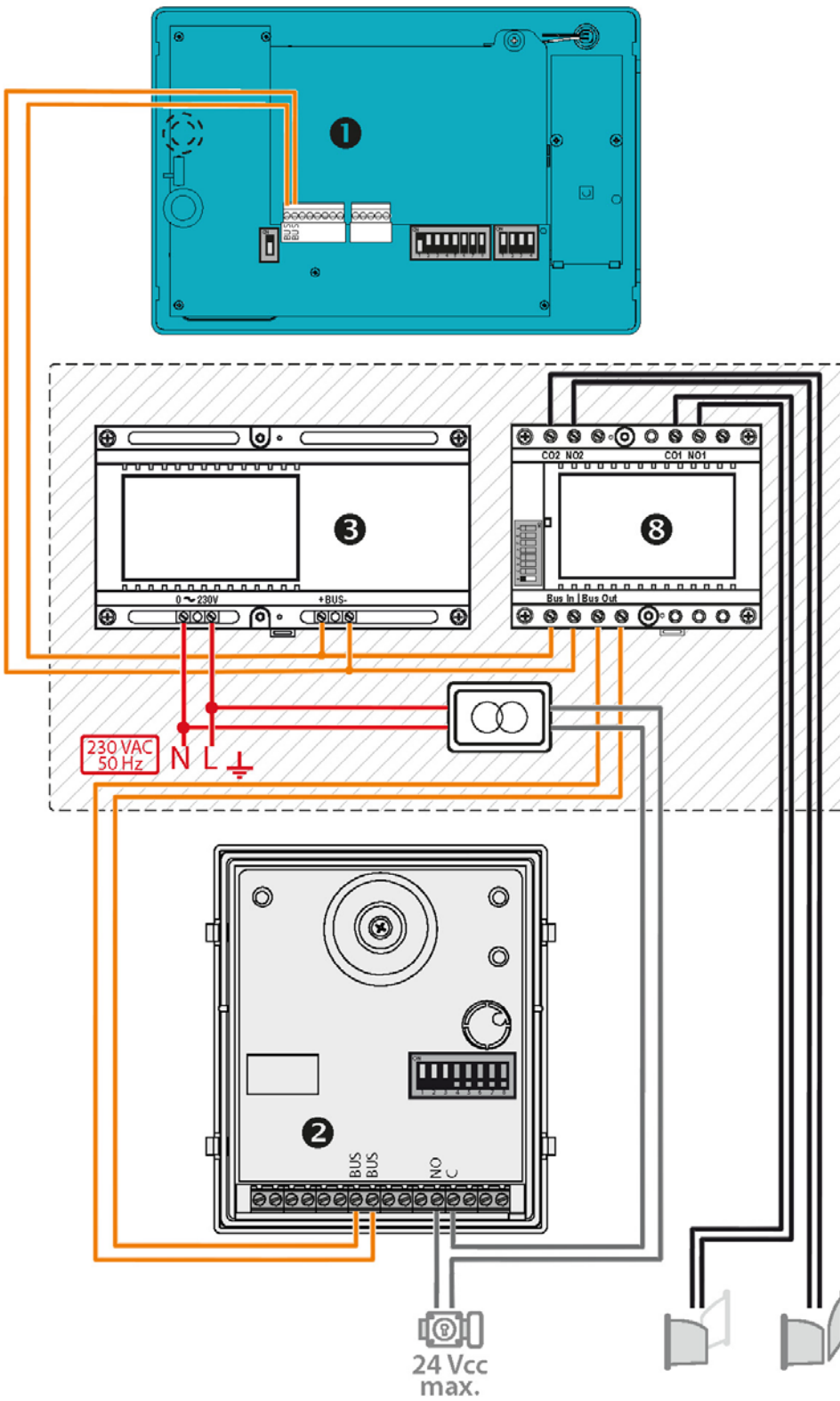
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9020031	VSP - RM02
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2

1841218	VSP - CS01
1841219	VSP - CS02





1

1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703

3

9020027	VSP-PS01
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8

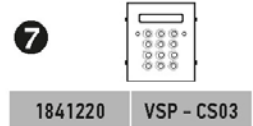
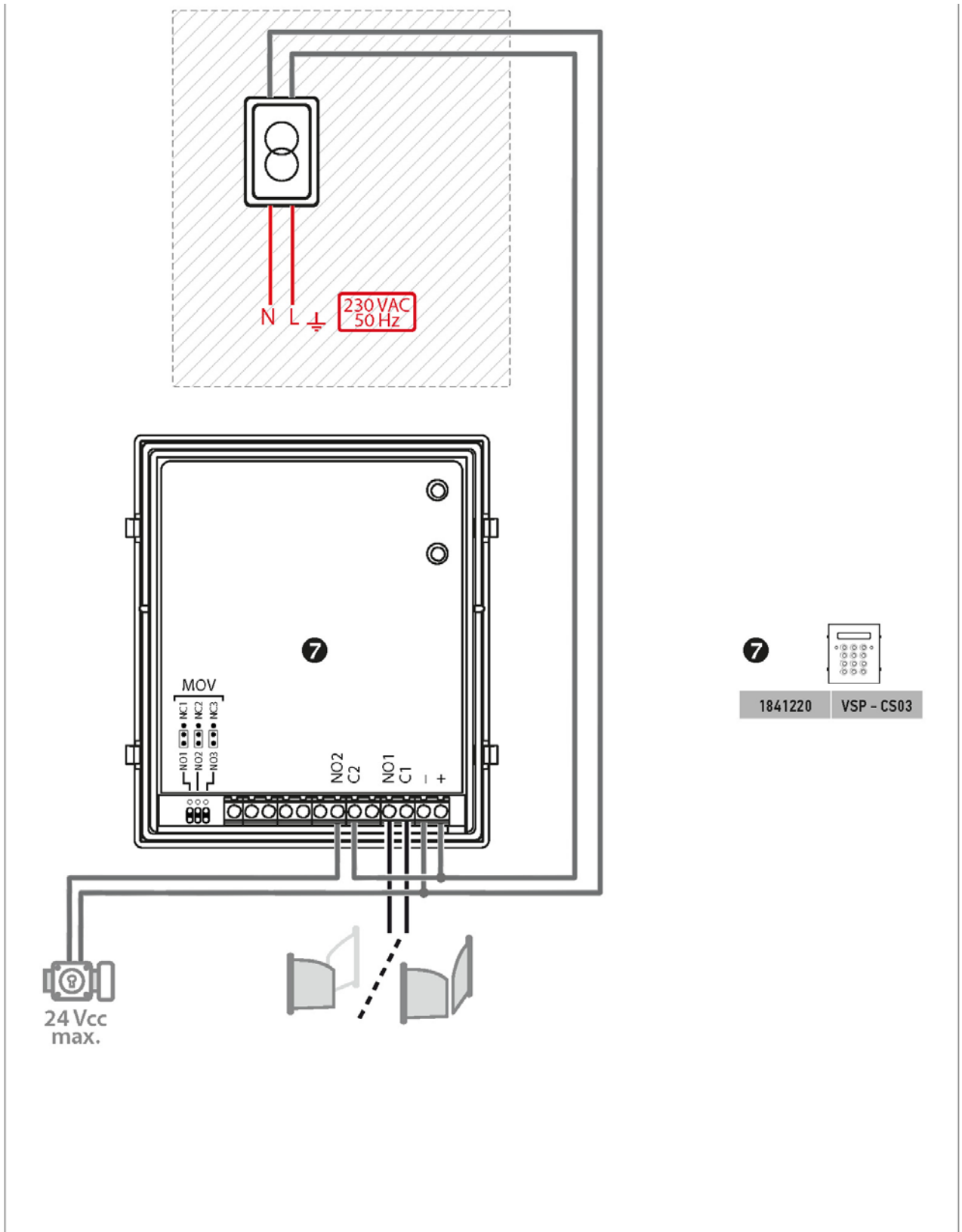
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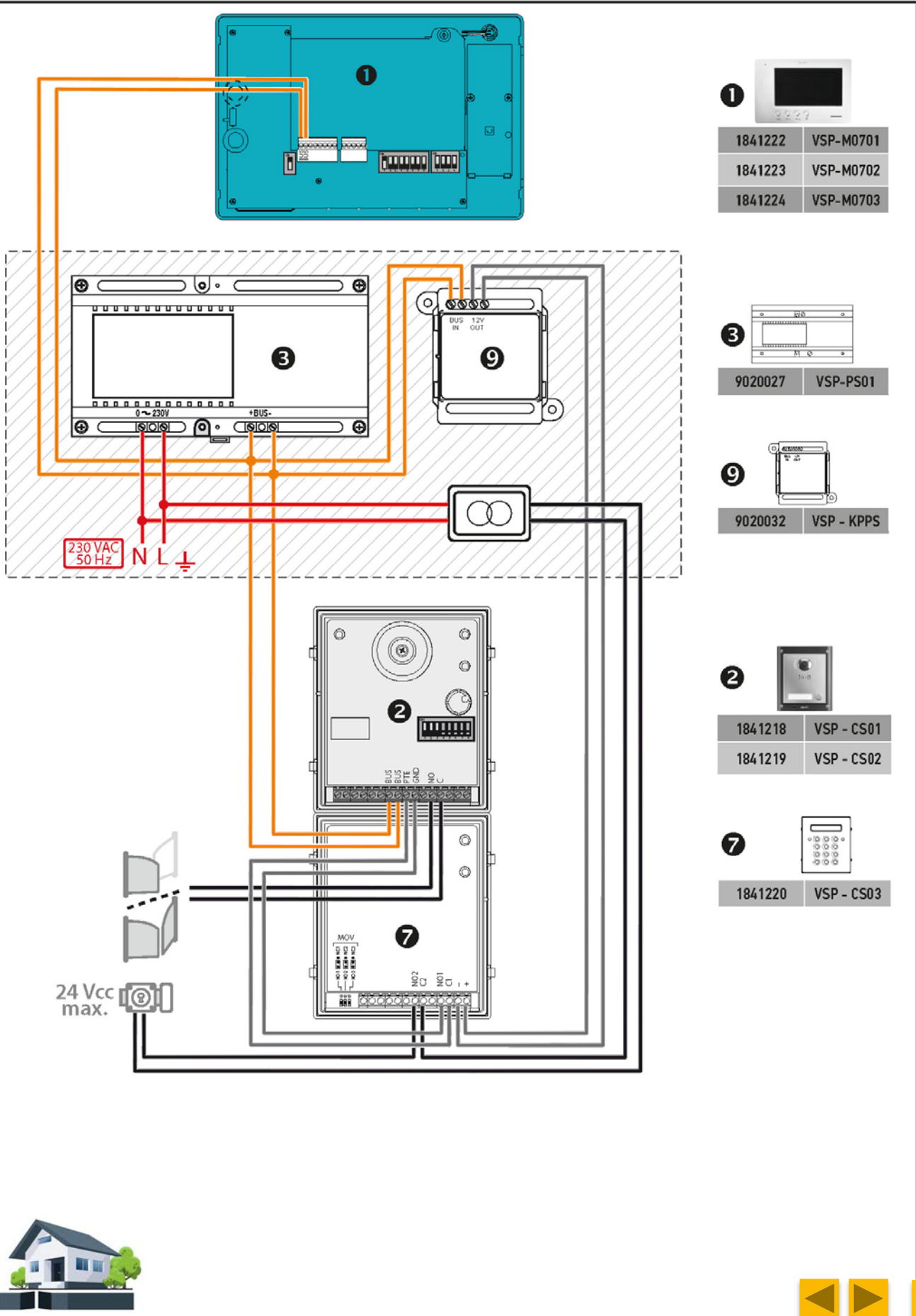
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1841218	VSP-CS01
1841219	VSP-CS02



Single keypad installation :





1

1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703

3

9020027	VSP-PS01
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9

9020032	VSP - KPPS
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2

1841218	VSP - CS01
1841219	VSP - CS02

7

1841220	VSP - CS03
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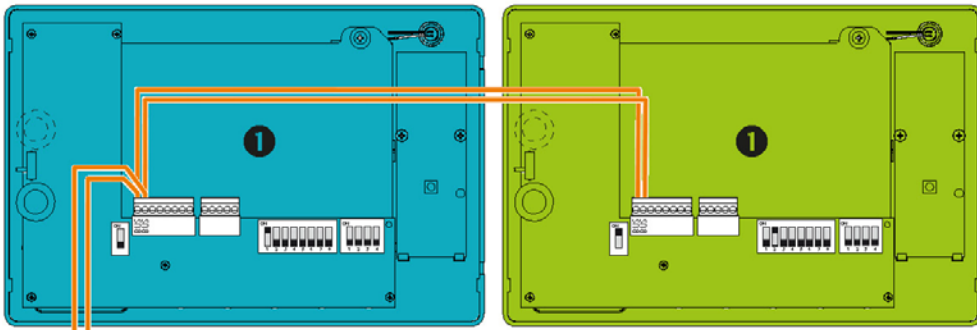


Multi-dwelling

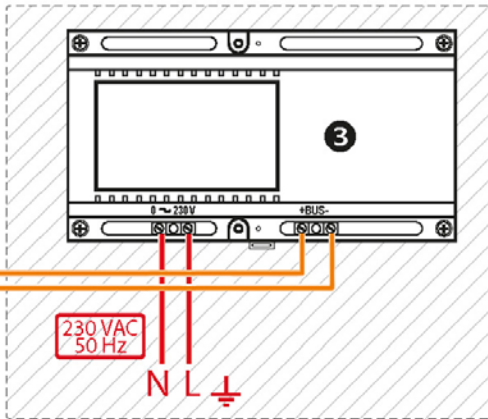


Click on the next diagrams to use directly the dynamic links

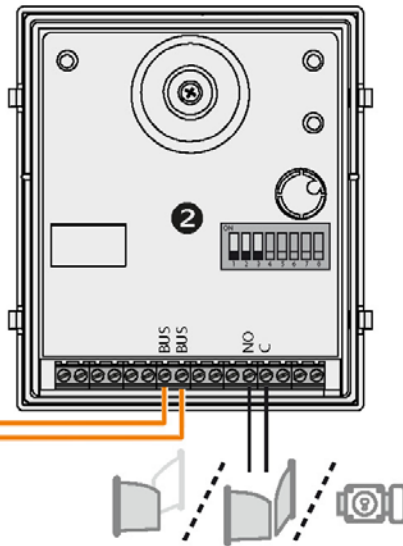




- 1**
- | | |
|---------|-----------|
| 1841222 | VSP-M0701 |
| 1841223 | VSP-M0702 |
| 1841224 | VSP-M0703 |

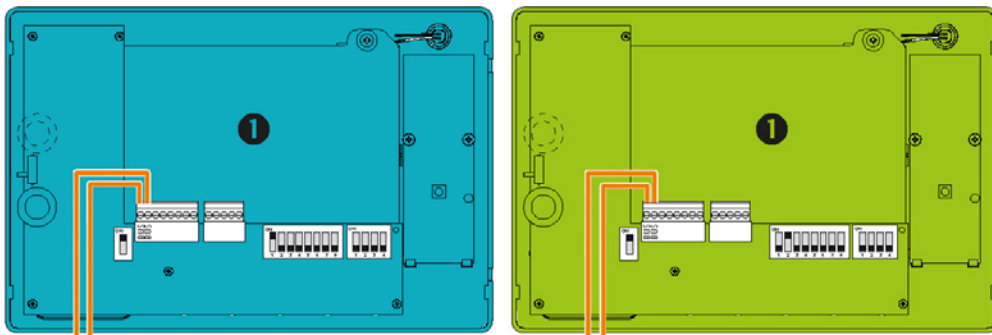


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- | | |
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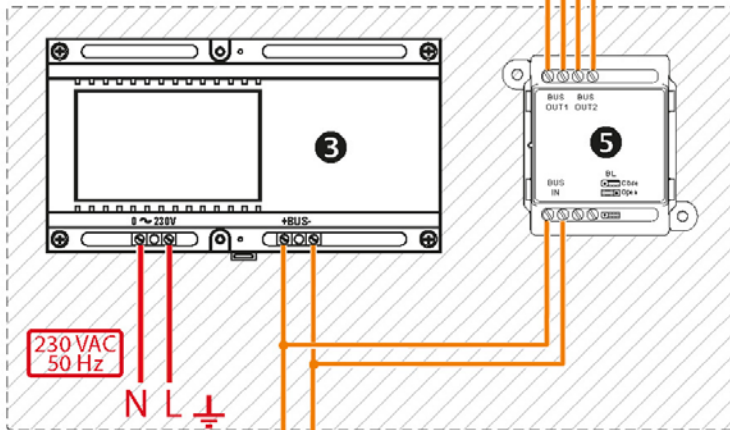


- 2**
- | | |
|---------|------------|
| 1841221 | VSP - CS04 |
|---------|------------|



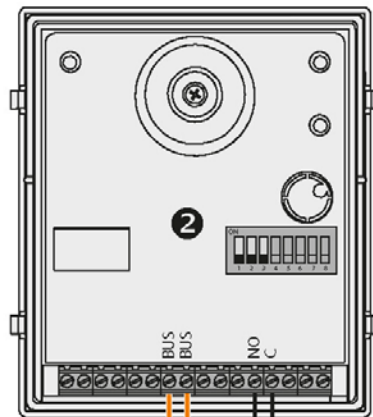


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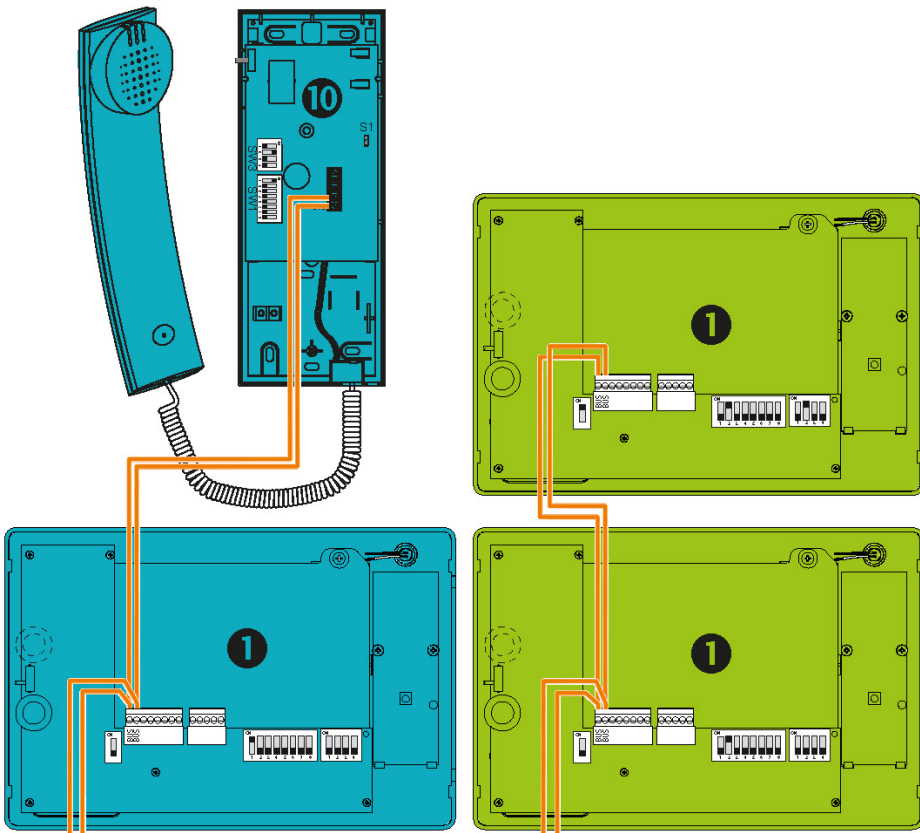
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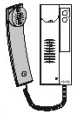


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10

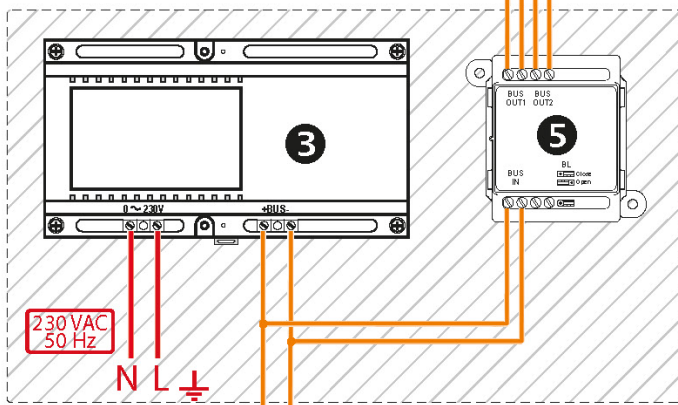


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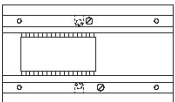
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1841224	VSP-M0703

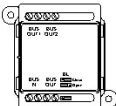


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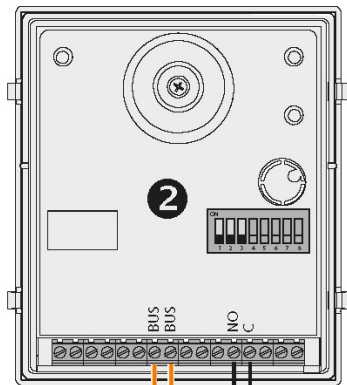


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5



9020029	VSP - PD02
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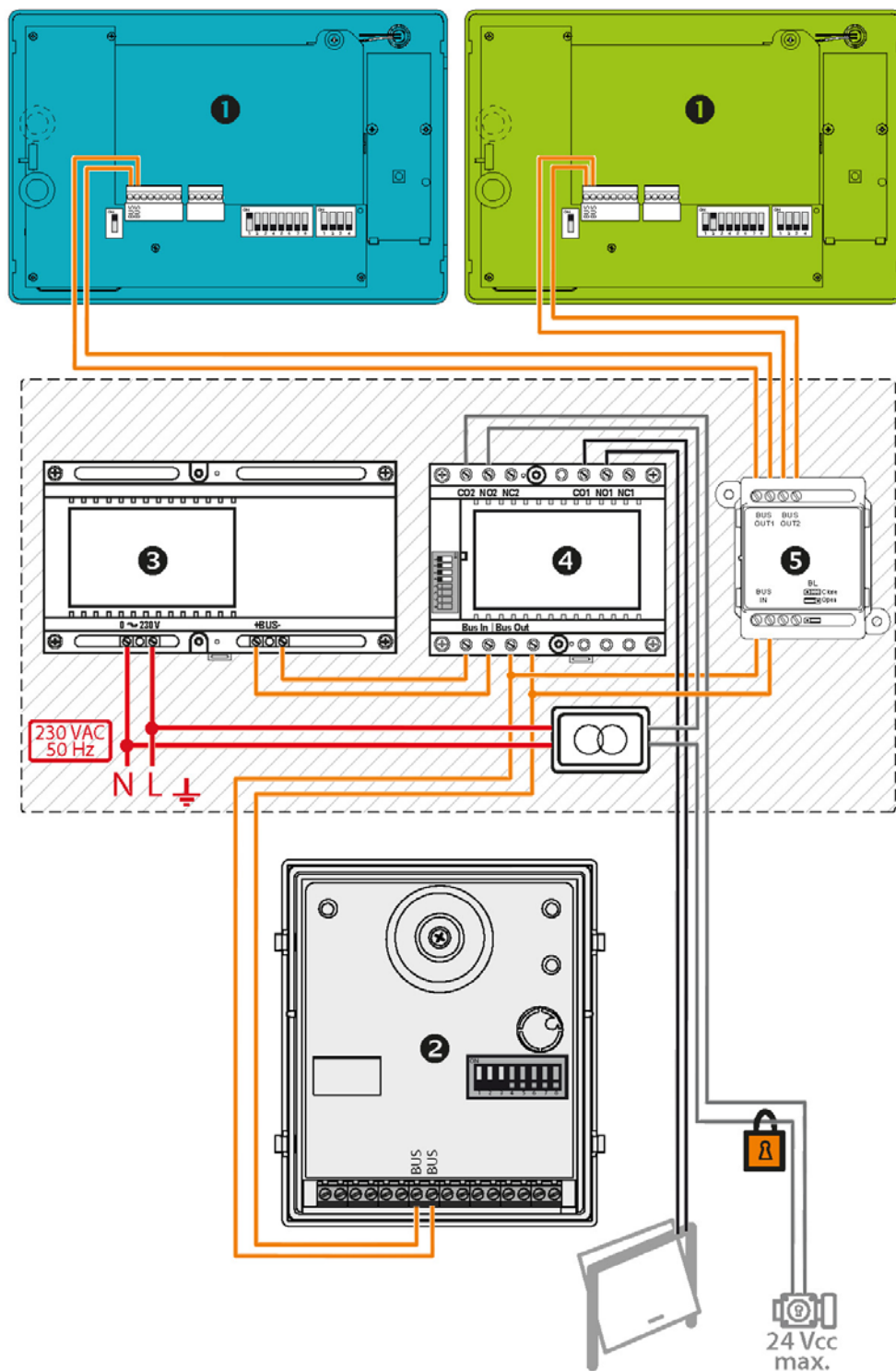


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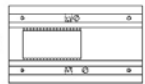



1841221	VSP - CS04
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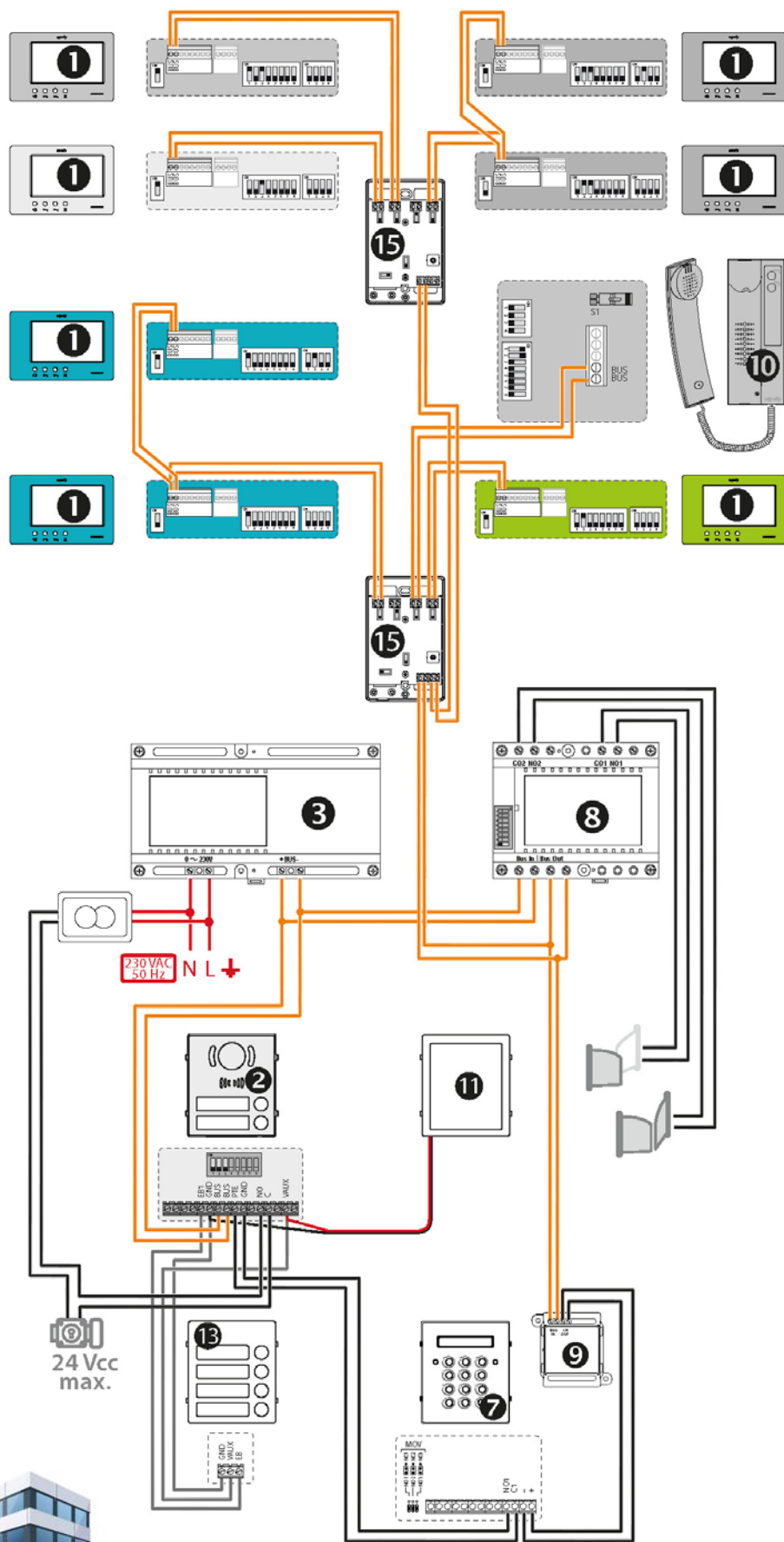
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5	
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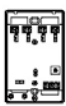
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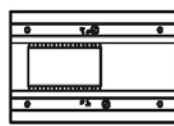


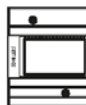



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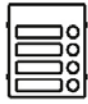
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3
9020027 VSP - PS02
- 

8
9020031 VSP - RM02
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1841221 VSP - CS04
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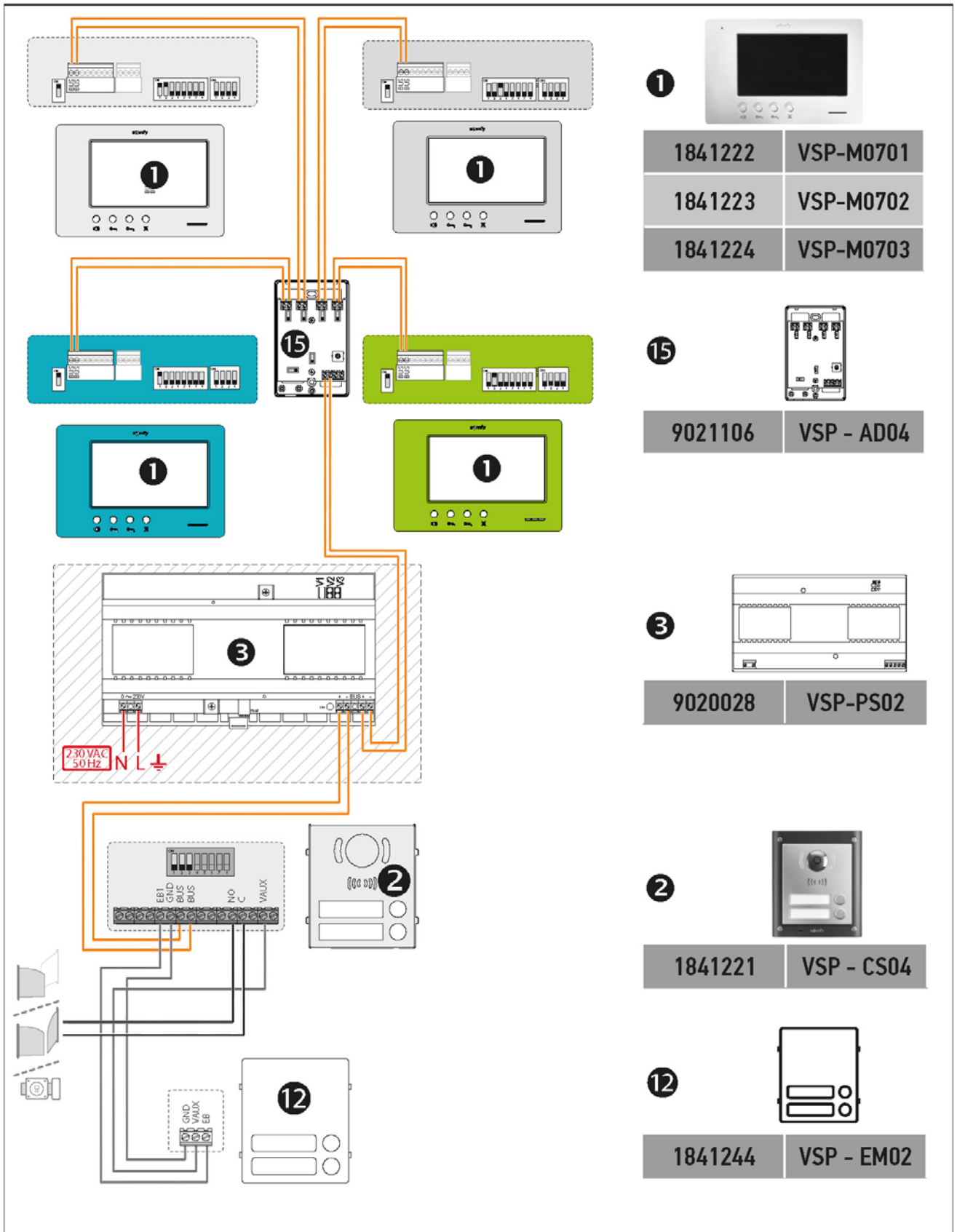
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11
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- 

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1841220 VSP - CS03
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9
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	1841224	VSP-M0703

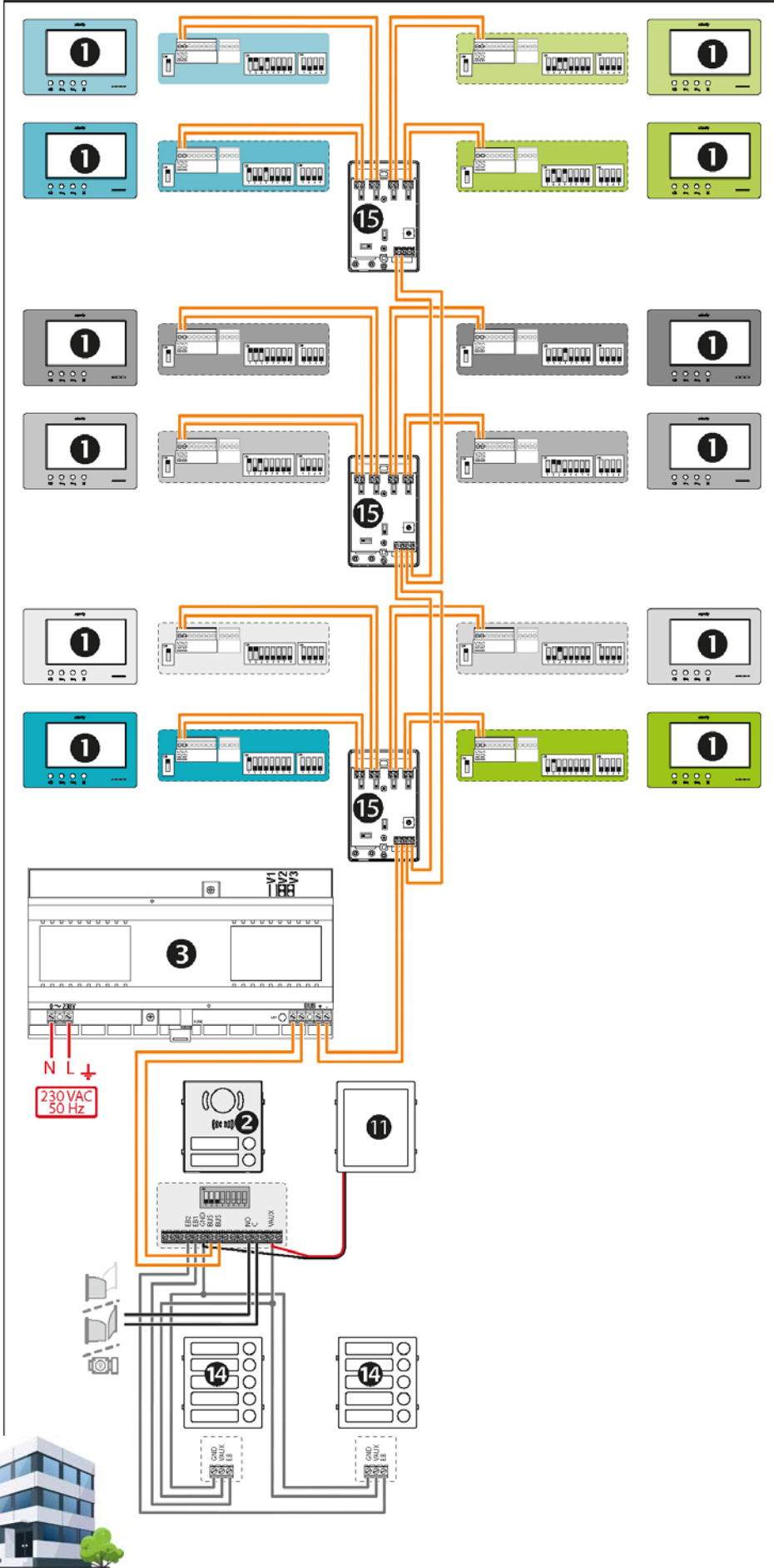
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12	1841244	VSP - EM02
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1841224	VSP-M0703

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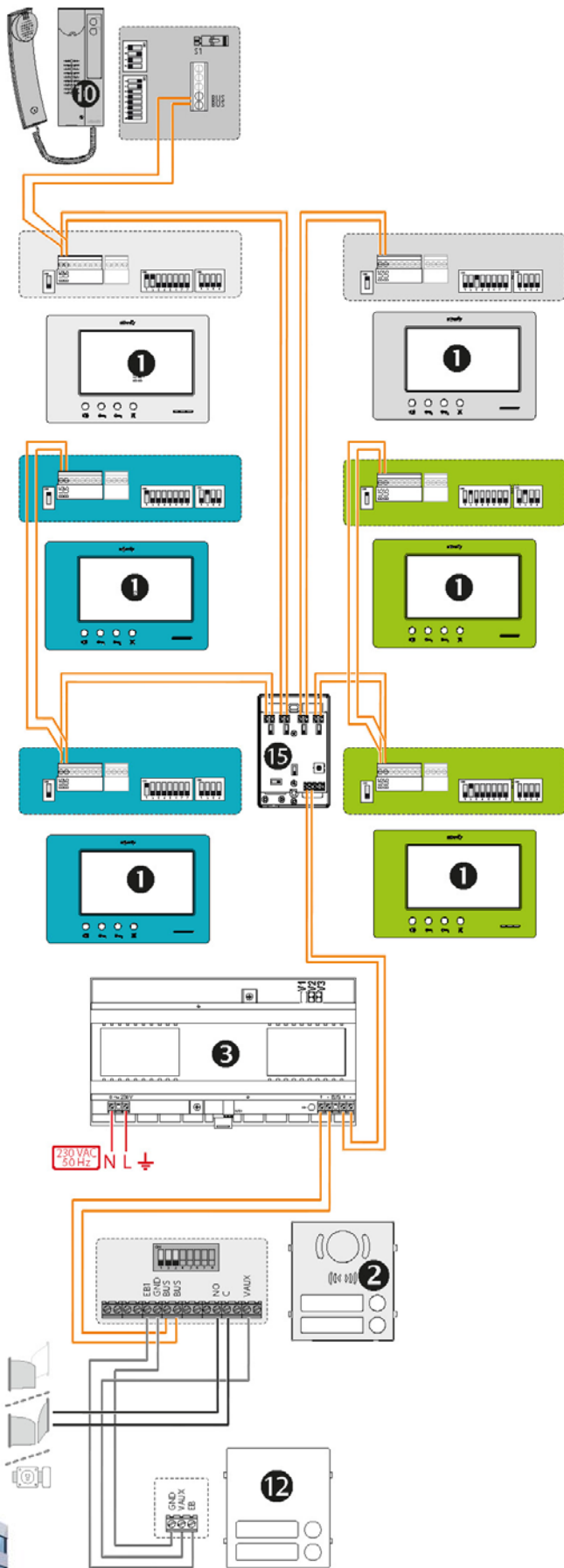
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14	
1841244	VSP - EM05





10



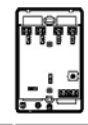
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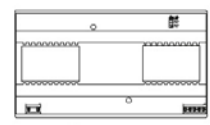
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1841223 VSP-M0702
1841224 VSP-M0703

15



9021106 VSP - AD04

3



9020028 VSP-PS02

2



1841221 VSP - CS04

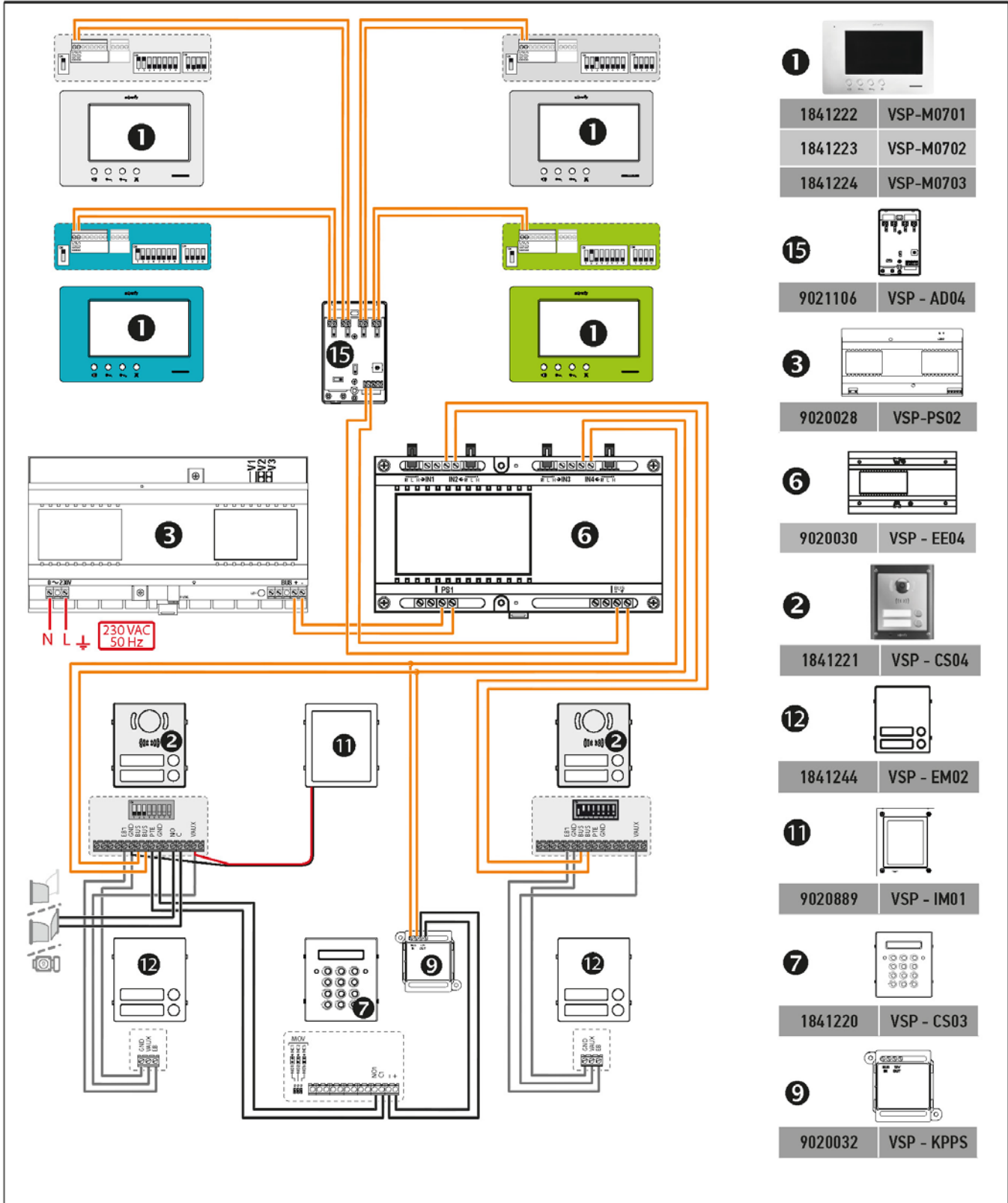
12





1841244 VSP - EM02

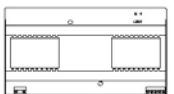


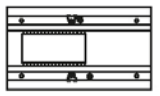
VSP-CAB305





- 1** 


1841222	VSP-M0701
1841223	VSP-M0702
1841224	VSP-M0703
- 15** 


9021106	VSP - AD04
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- 3** 


9020028	VSP-PS02
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- 6** 

9020030	VSP - EE04
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- 2** 

1841221	VSP - CS04
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- 12** 

1841244	VSP - EM02
---------	------------
- 11** 

9020889	VSP - IM01
---------	------------
- 7** 

1841220	VSP - CS03
---------	------------
- 9** 

9020032	VSP - KPPS
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* In case of multi-entrance and with PREMIUM monitors, you can increase the image quality of the system (go to see the « Helping part » of this document)



VIII. SUPPORT SHEET



VIII.Support sheet

■ Component help tool

- This support is an helping to select right components for your installation.
- If you have any question, please reply this sheet and contact the **BG SECURITY**.




Support sheet		VSYSTEMPRO™	
Installation overview			
1) How many entry in your installation ? (4 max)			<input type="text"/>
2) How many dwellings ? (12 max)			<input type="text"/>
3) How many indoor monitor globally ?	48 max (monitor + handset)		<input type="text"/>
4) How many indoor monitor globally ?			<input type="text"/>
5) How many indoor monitor per apartment ? (4 max)			<input type="text"/>
6) How many indoor handset per apartment ? (4 max)			<input type="text"/>
MONITOR			
7) With image memory ? **		How many ?	<input type="text"/>
8) Image displayed on each monitor of the apartment during call visitor ? ***			<input type="text"/>
** Image memory function on every monitor of the apartment or not			
*** Image on each monitor of the apartment during a call or just one with image and other are ringing only			
9) RTS Technology			<input type="text"/>
10) io Technology			<input type="text"/>
CALL STATION			
11) Vision angle ?	*H161°/V101° : *H74°/V55° :	How many ?	<input type="text"/>
12) Badge reader ?			<input type="text"/>
13) How many anti-tamper on badge reader output ? (associated to badge reader) ?			<input type="text"/>
14) How many user badges per installation ?			<input type="text"/>
15) Information module ?			<input type="text"/>
16) Keypad module ?			<input type="text"/>
17) Flush or surface support ?			<input type="text"/>
18) Rain shield to support ?			<input type="text"/>
19) Gate ? *	*Partial OR total *Partial AND total		<input type="text"/>
20) Electrical lock ?			<input type="text"/>
DISTANCE (Cable)			
17) Distance between door station and the farthest monitor ? (Max 250 m)			<input type="text"/>
18) Distance between power supply unit and the farthest monitor ? (Max 100 m)			<input type="text"/>

somfy.




VIII.Support sheet


- Response sheet :



Installation response




INDOOR EQUIPMENT					
Monitor / Handset :	Ref number :	How many ?			
		Quantity	Price	Total	
ORIGIN RTS	1841222				
ORIGIN IO	1841223				
PREMIUM IO	1841224				
INDOOR HANDSET	1841247				
CALL STATION EQUIPMENT					
CALL STATION :	Ref number :	How many ?			
		Quantity	Price	Total	
ORIGIN (1 button)	1841218				
PREMIUM (1 button)	1841219				
PREMIUM (2 button)	1841221				
EXTERNAL MODULE :	Ref number :	How many ?			
		Quantity	Price	Total	
KEYPAD MODULE	1841220				
2 BUTTON MODULE	1841244				
4 BUTTON MODULE	1841245				
5 BUTTON MODULE	1841246				
INFORMATION MODULE	9020889				
SUPPORT FOR EXTERNAL MODULE :					
SURFACE	9020019				
SUPPORT	9020023				
FLUSH	9020020				
SUPPORT	9020024				
SURFACE	9020021				
RAINSHIELD	9020025				
FLUSH	9020022				
RAINSHIELD	9020026				






VIII.Support sheet

- Response sheet :




Installation response



POWER SUPPLY UNIT					
POWER SUPPLY	Ref number :	How many ?			
		Quantity	Price	Total	
POWER SUPPLY 1	9020027				
POWER SUPPLY 2	9020028				
AUXILIARY POWER SUPPLY	XXXXXX				

ADDITIONAL ACCESSORIES					
MODULE	Ref number :	How many ?			
		Quantity	Price	Total	
ENTRANCE EXCHANGER	9020030				
RELAY MODULE	9020031				
ANTI-TAMPER-RELAY-MODULE	9020332				
KEYPAD CONVERTER	9020032				
PASSIVE DISTRIBUTOR	9020029				
ACTIVE DISTRIBUTOR	9021106				
SET OF 2 BADGES	1875067				


CABLES					
MODULE	Ref number :	How many ?			
		Quantity	Price	Total	
100 M CABLE	9020033				
200 M CABLE	9020034				






VIII.Support sheet

- Response sheet :



Installation response




KIT ORDER

Kit :	Ref number :	How many ?		
		Quantity	Price	Total
ORIGIN RTS	1841225	<input type="text"/>	<input type="text"/>	<input type="text"/>
ORIGIN io	1841226	<input type="text"/>	<input type="text"/>	<input type="text"/>
PREMIUM io	1841227	<input type="text"/>	<input type="text"/>	<input type="text"/>
PREMIUM io 2 family	1841228	<input type="text"/>	<input type="text"/>	<input type="text"/>
PREMIUM + io	1841231	<input type="text"/>	<input type="text"/>	<input type="text"/>
PREMIUM + io 2 family	1841232	<input type="text"/>	<input type="text"/>	<input type="text"/>

ORDER SUMMARY

Quantity	Reference	Description	Designation





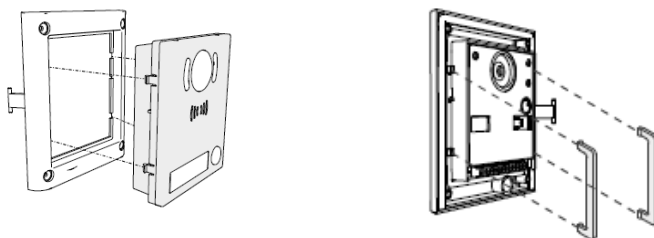
IX. HELPING PART



IX. Helping part (tips and tricks)

To fit call station in box :

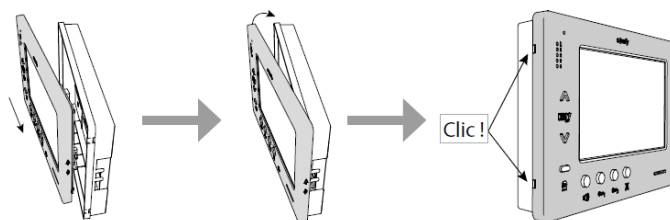
- Insert the module in the box by the front panel
- Clip the door station module onto its frame
- Clip the two locking plates into place on the rear of the door station module



!/! Be careful to not cut the microphone wires by clipping the module

To close monitor face :

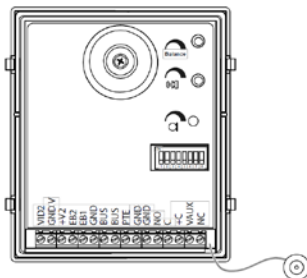
- Firstly, insert the right side of the monitor (with the scroll wheel) into the box
- Insert the second side of the monitor and press it until you hear the “click”



!/! Be careful to the potentiometer

Set the call station

- Set your call station by 3 adjustment wheels (microphone gain, speaker volume, adjusting the balance)










IX. Helping part (tips and tricks)

SD card characteristics :

- You can install an SD card into VSYSTEM PRO to export your image memory
- You must respect following characteristics concerning the SD card :
 - Type : SD, SDHC
 - Class specification : Class10 max
 - Memory : 32Gb max

Before export the image via SD card :

- Insert the card in the monitor (inside the monitor)
- You firstly must format the SD card
- To format the SD card, push following buttons :







-  To enter the menu
-  2 push to choice the “memory” menu
-  To enter the “memory” menu
-  Select “format the card”
-  To enter the “format” card menu
-  Select “Yes”
-  Validate

- You can now export the image memory (see the next page)



IX. Helping part (tips and tricks)

Export the images

- After formatting card, you can transfer your pictures from the internal memory to the SD card
- To transfer, push following buttons :
 -  To enter the menu
 -  2 push to choose the "memory" menu
 -  To enter the "memory" menu
 -  To enter the "export memory images"
 -  To select "Yes"
 -  Validate
- You will have a succeed message

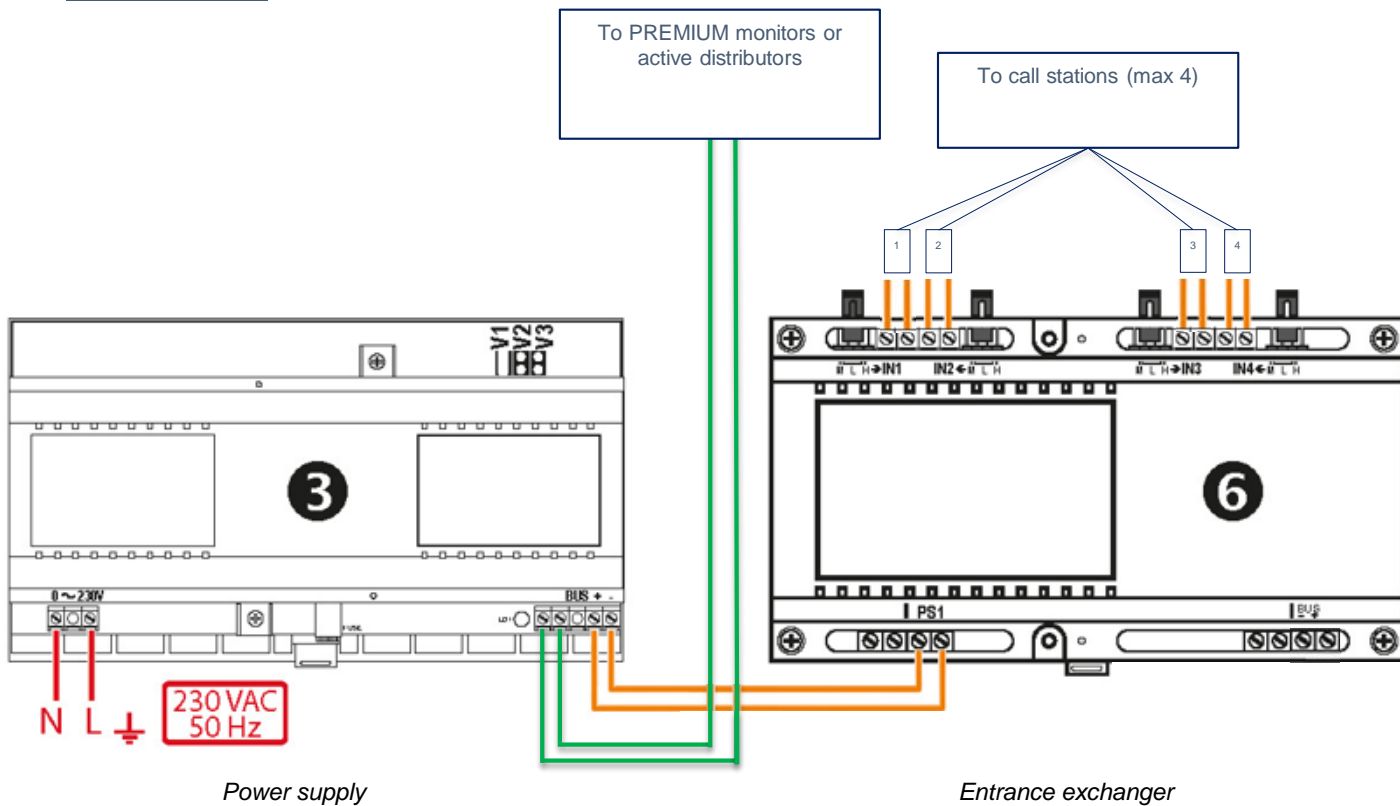


IX. Helping part (tips and tricks)

Installation diagram to increase the image quality :

- To increase the video quality, we recommend to distribute the BUS signal directly by the power supply's terminal blocks (see the green wires in next diagram)
- This change will work only in the PREMIUM configuration and if you have multi call station
- The Entrance Exchanger will only work to centralize the multi-entrance BUS line

DIAGRAM :



▪ Our team is present for you...

If you have a question or need some help, please feel free to contact:

- **For market & product questions or requests:**
François BOILLEY , Product Line Manager
Clément GERMAIN, Assistant Product Line Manager
- **For technical information:**
Gérard PERSONNAZ, Project Manager
- **For quality subjects:**
Sylvain CANON, Quality Manager
Thomas CHAUVIN, Customer Quality Service

