

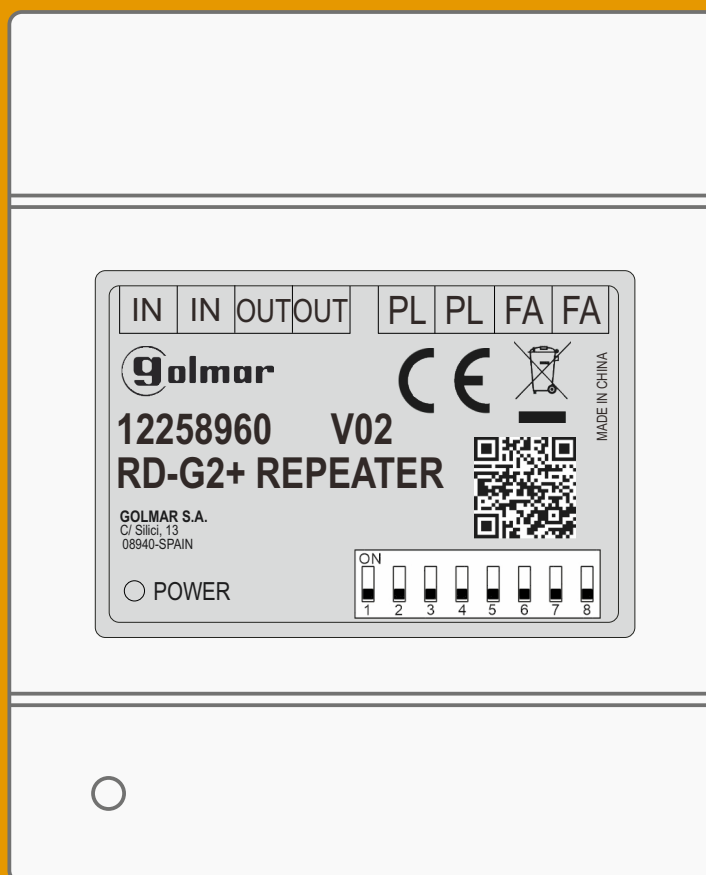


TECHNOLOGY

INSTRUCTIONS MANUAL



RD-G2+ DIGITAL REPEATER



INTRODUCTION

First and foremost we would like to thank you for purchasing this product.

Our commitment to achieving the satisfaction of customers like you is manifested through our ISO-9001 certification and the manufacture of products like the one you have just purchased.

Its advanced technology and strict quality control will ensure that customers and users enjoy the numerous features that this device offers. To get the most out of them and ensure proper operation from day one, we recommend that you read this instruction manual.

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SET-UP WARNINGS

- Do not overtighten the screws on the RD-G2+ digital repeater module connector.
- Before connecting the device, check the connections between the power supply unit, door panel, distributors, RD-G2+ modules, monitors, telephones and hands-free audio terminals.
- Use the Golmar **RAP-2150** cable (2x1mm²).
- Always follow the instructions contained in this manual.

SAFETY PRECAUTIONS

- **Always disconnect the power supply** before installing or making modifications to the device.
- The fitting and handling of this device must be carried out by **authorised personnel**.
- The wiring must run at list **40 cm. de cualquier otra instalación**.
- Install the RD-G2+ module in a dry protected location free from risk of dripping or splashing water.
- Install the RD-G2+ module "power mode" and "block mode" together with its FA-G2+ power supply.
- Avoid locations that are humid, dusty or near heat sources.
- Ensure that the air vents are free from obstruction so that air can circulate freely.
- To prevent damage, the RD-G2+ module must be firmly secured in place.

CHARACTERÍSTICS

- RD-G2+ digital repeater module with simplified wiring (non-polarised 2-wire bus).
- RD-G2+ digital repeater module for the G2+ system that allows the following operating modes:
 - ☞ Amplifier mode:
 - Allows to increase the monitor bus distance, 1 RD-G2+ module "amplifier mode" and 1 RD-G2+ module "power mode" with its power supply unit FA-G2+ are required (see page 4 and 26).
 - Allows to increase the bus distance in a "power mode" or "block mode" system when it is more than 300 m between the door panel and the first RD-G2+ "amplifier mode" (see page 5, 9, 29 and 35).
 - Important:** Up to 4 RD-G2+ modules in amplifier mode.
 - ☞ Power mode:
 - Allows 32 additional monitors (max. 4 RD-G2+ and up to 128 elements).
 - Allows risers/verticals installation (max. 32 risers/verticals, up to 32 monitores per riser and up to 128 monitors in installation).
 - Up to 4 door panels.
 - Door panels with EL632-G2 + SE video module with 'V04' or later, for compatibility with this operating mode.
 - ☞ Block mode:
 - Allows an installation with up to 4 general door panels and up to 32 buildings with interior door panels.
 - Up to 4 door panels per interior building.
 - Up to 4 generals coded panels.
 - Up to 32 interior buildings (up to 4 interior door panels per interior building).
 - RD-G2+ module "block mode" with its FA-G2+ power supply per inner building.
 - Door panels with EL632-G2 + SE video module with 'V04' or later, for compatibility with this operating mode.
- FA-G2+ power supply unit is required for each RD-G2+ module in "power mode" and "block mode".
- It is necessary to configure the operating mode.
- DIP switches (operating mode, building address number "block mode" and end of line).
- Power supply status Led.

RAP-2150 (GOLMAR) CABLE CHARACTERÍSTICS

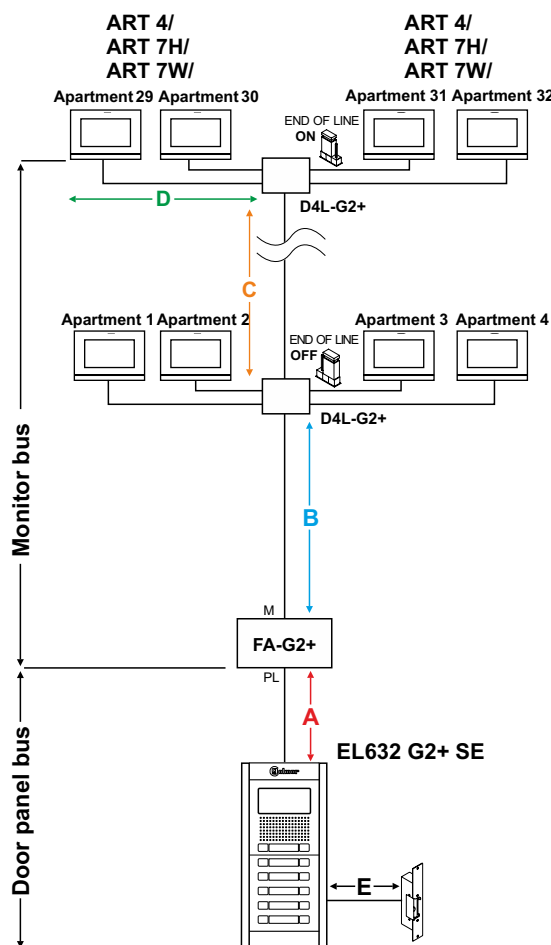
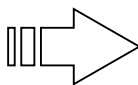
CONSTRUCTION CHARACTERISTICS	VALUES
Flexible 1mm ² twisted pair polished copper conductor	Class V
Wiring	15 V/m

ELECTRICAL CHARACTERISTICS	VALUES
Electrical resistance of the conductor at 20°C	19.5 Ω /Km
Capacity between conductors	45pf/m ± 10%
Characteristic impedance	100 Ω ± 10%

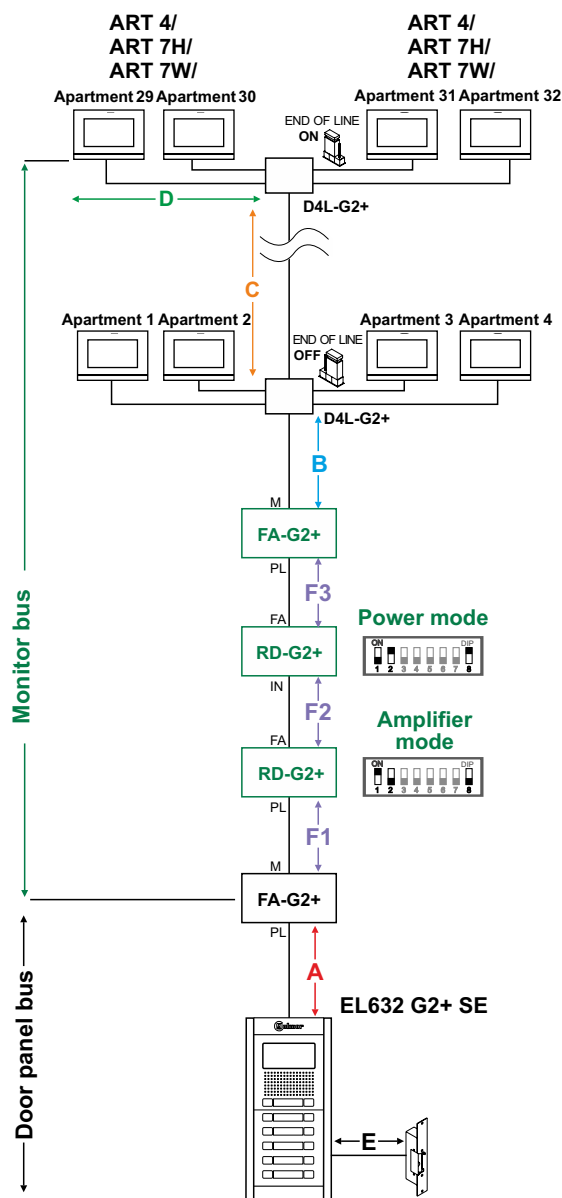
OPERATING MODE: (AMPLIFIER MODE)

- This operating mode allows to increase the distance of the monitor bus when it exceeds 190m (distance with Golmar RAP-2150 2x1mm² twisted pair cable), see page 26.
1 RD-G2+ module "amplifier mode" and 1 RD-G2+ module "power mode" with its power supply unit FA-G2+ are required.
Important: It is not allowed to increase the distance of the panel bus.
- This operating mode allows to increase the bus distance in a "power mode" or "block mode" system when it is more than 300 m between the door panel and the first RD-G2+ "amplifier mode" (see page 5, 9, 29 and 35).

G2+ building installation



G2+ building installation with RD-G2+ on monitor bus



Distances and cross-sections:

Cable	A	B	C	D	B+C+D	E	F1	F2	F3	A+F1	B+C+D+F3
(*) RAP-GTWIN/HF 2x1mm ²	80m	80m	80m	30m	190m	15m	220m	220m	80m	300m	300m

(*) (Distances with Golmar RAP-2150 cable (twisted pair 2x1mm²)).

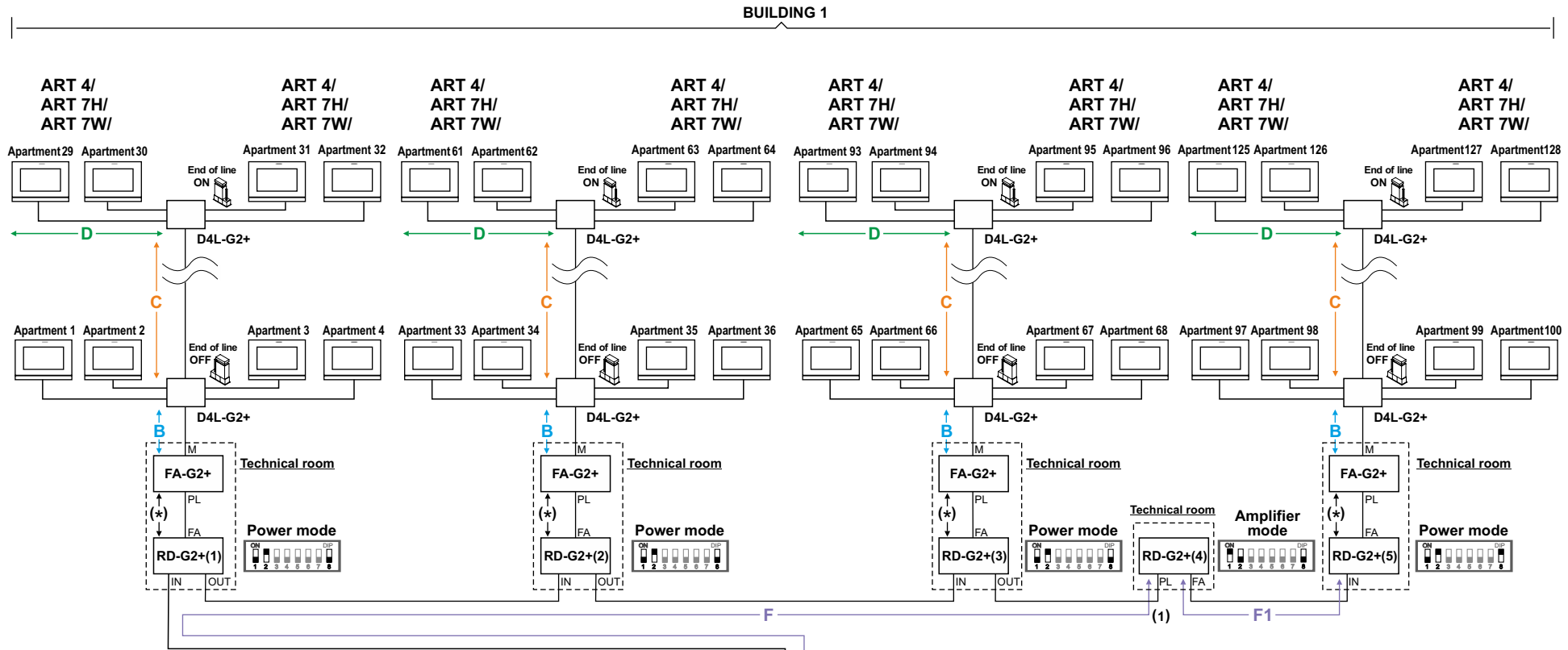
Example installation type:

- 32 monitors with ART 4 G2+ / ART 4 G2+ LITE.
- 32 monitors with ART 7H G2+ / ART 7 G2+ LITE.
- 32 monitors with ART 7W/G2+.

IMPORTANT: For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

Installation with 1 building, 128 monitors, 4 RD-G2+ “power mode”, 1RD-G2+ “amplifier mode” and 4 door panels.

OPERATING MODE: (POWER MODE WITH AMPLIFIER MODE)



Distances and cross-sections:

Cable	A	B	C	D	B+C+D	E	F	F1	(1)A+F
RAP-GTWIN/HF 2x1mm ²	80m	80m	80m	30m	190m	15m	220m	220m	300m

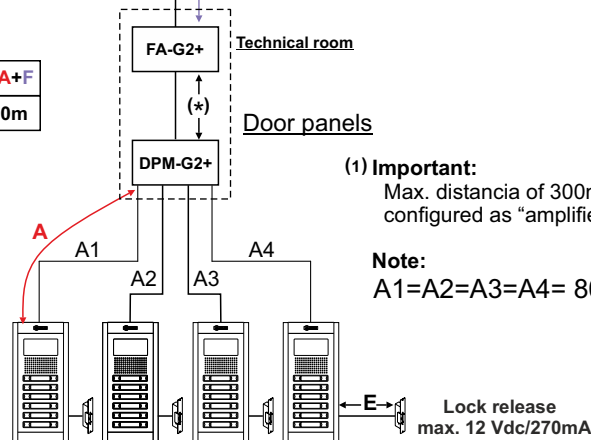
(*) Max. distance 1m.

Example installation type:

- 32 monitors with ART 4 G2+ / ART 4 G2+ LITE.
- 32 monitors with ART 7H G2+ / ART 7 G2+ LITE.
- 32 monitors with ART 7W/G2+.

Note:

For more information see characteristics on page 3.



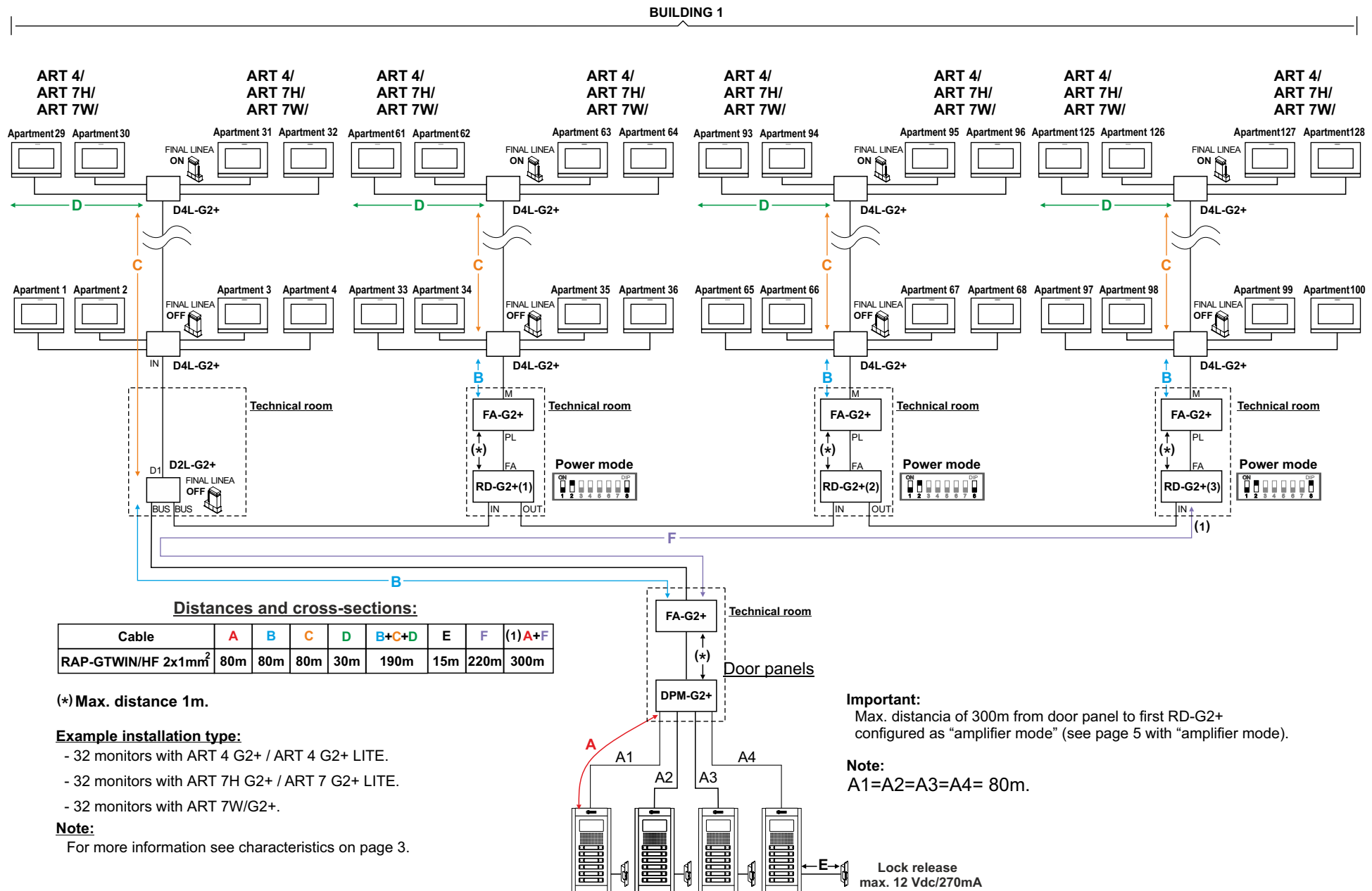
(1) Important:

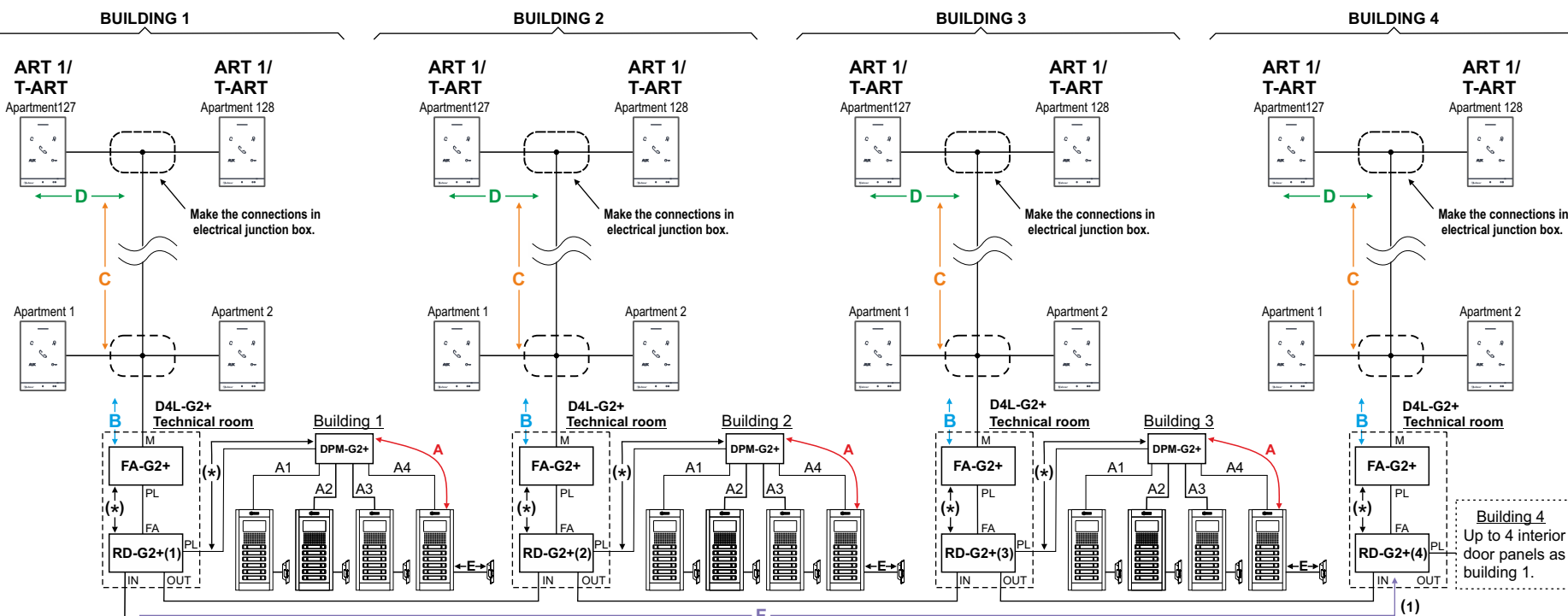
Max. distancia of 300m from door panel to first RD-G2+ configured as “amplifier mode”.

Note:

A1=A2=A3=A4= 80m.

Lock release
max. 12 Vdc/270mA

Installation with 1 building, 128 monitors, 3 RD-G2+ “power mode” and 4 door panels.

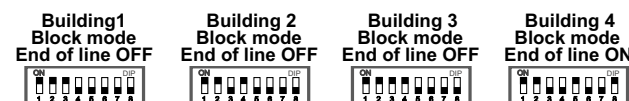
Installation with 4 buildings, 128 audio terminals per building, 16 interior door panels and 4 general code door panels.**Distances and cross-sections:**

Cable	A	B	C	D	B+C+D	E	F	G	(1) G+F
RAP-GTWIN/HF 2x1mm ²	80m	20m	96m	15m	130m	15m	220m	80m	300m

(*) Max. distance 1m.

Note:

For more information see characteristics on page 3

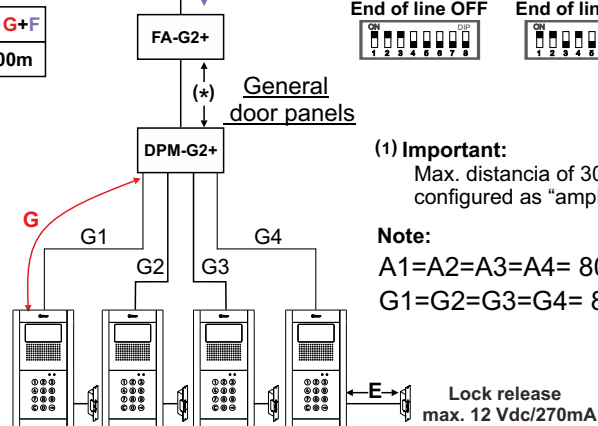
RD-G2+ configuration DIP switches:**(1) Important:**

Max. distancia of 300m from door panel to first RD-G2+ configured as "amplifier mode" (see page 9 with "amplifier mode").

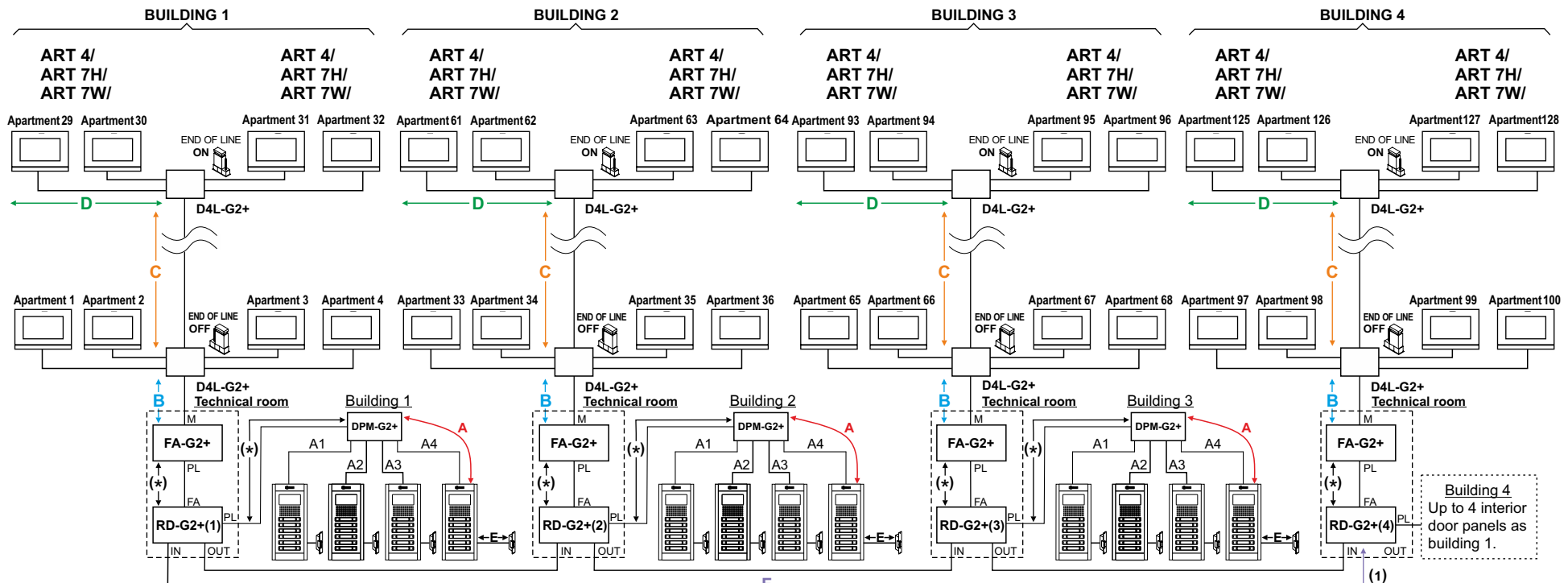
Note:

A1=A2=A3=A4= 80m.

G1=G2=G3=G4= 80m.



Installation with 4 buildings, 128 monitors, 16 interior door panels and 4 general door panels.



Distances and cross-sections:

Cable	A	B	C	D	B+C+D	E	F	G	(1) G+F
RAP-GTWIN/HF 2x1mm ²	80m	80m	80m	30m	190m	15m	220m	80m	300m

(*) Max. distance 1m.

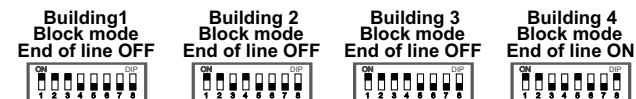
Example installation type:

- 128 monitors with ART 4 G2+ / ART 4 G2+ LITE.
- 128 monitors with ART 7H G2+ / ART 7 G2+ LITE.
- 128 monitors with ART 7W/G2+.

Note:

For more information see characteristics on page 3.

RD-G2+ configuration DIP switches:

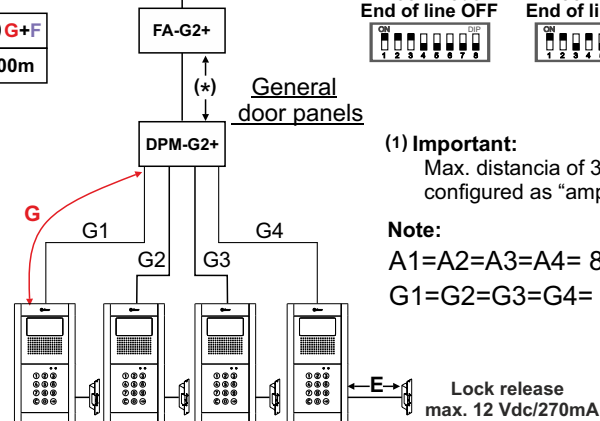


(1) Important:

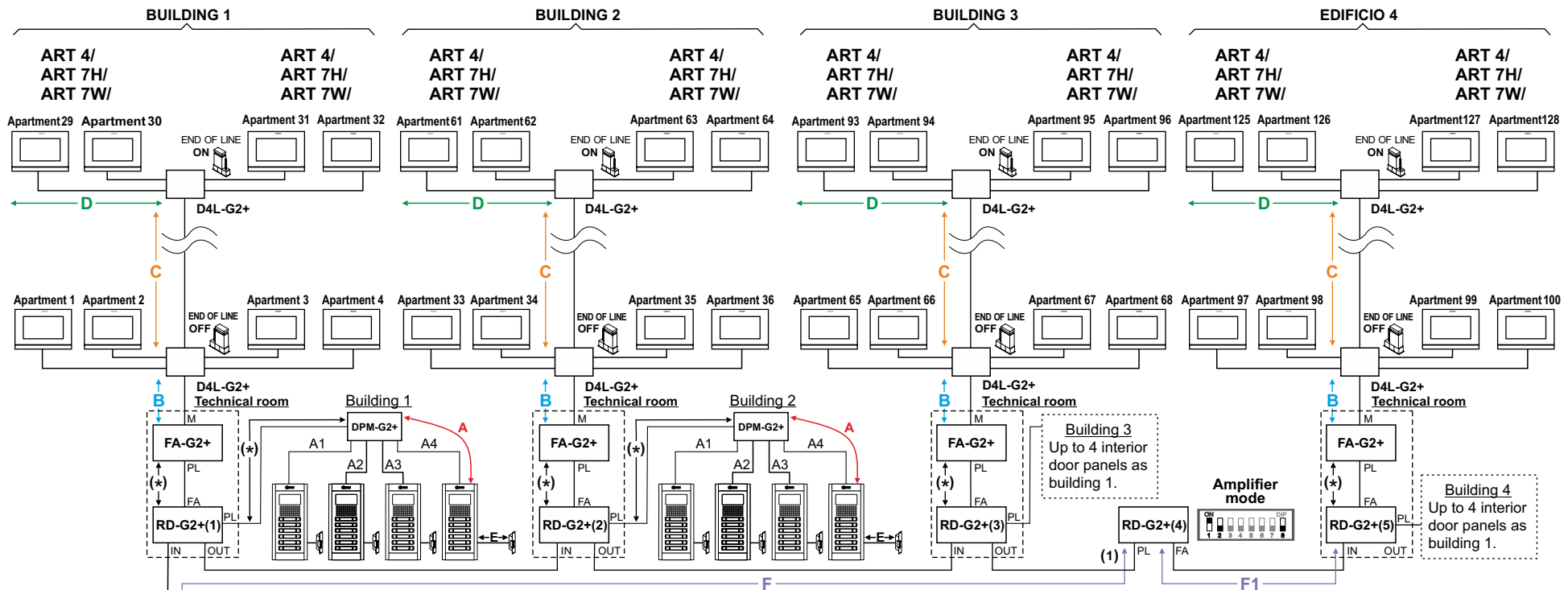
Max. distancia de 300m from door panel to first RD-G2+ configured as "amplifier mode" (see page 9 with "amplifier mode").

Note:

A1=A2=A3=A4= 80m.
G1=G2=G3=G4= 80m.



Installation with 4 buildings, 128 monitors, 16 interior door panels, 1RD-G2+ “amplifier mode” and 4 general door panels.



Distances and cross-sections:

Cable	A	B	C	D	B+C+D	E	F	F1	G	(1) G+F
RAP-GTWIN/HF 2x1mm ²	80m	80m	80m	30m	190m	15m	220m	220m	80m	300m

(*) Max. distance 1m.

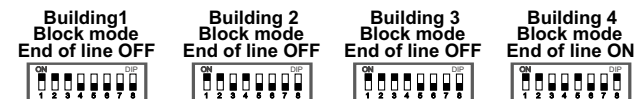
Example installation type:

- 128 monitors with ART 4 G2+ / ART 4 G2+ LITE.
- 128 monitors with ART 7H G2+ / ART 7 G2+ LITE.
- 128 monitors with ART 7W/G2+.

Note:

For more information see characteristics on page 3.

RD-G2+ configuration DIP switches:

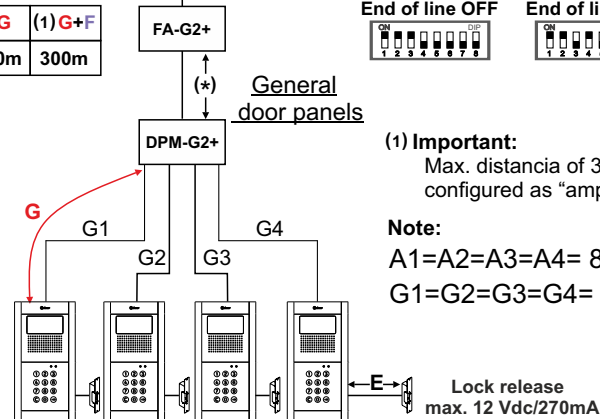


(1) Important:

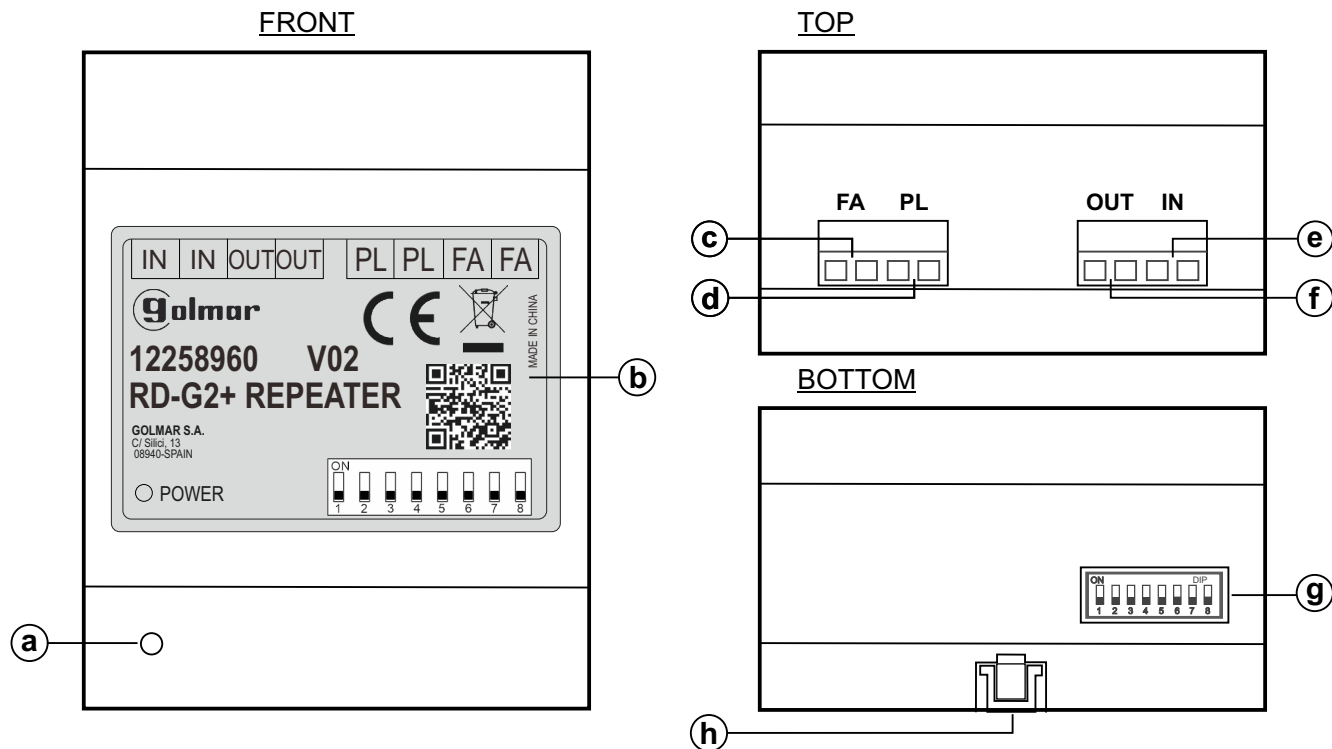
Max. distancia de 300m from door panel to first RD-G2+ configured as “amplifier mode”.

Note:

A1=A2=A3=A4= 80m.
G1=G2=G3=G4= 80m.



DESCRIPTION OF THE RD-G2+ DIGITAL REPEATER MODULE

Description:

a. Power status Led.

b. Label.

(*) c. "FA" connection terminals.

(*) d. "PL" connection terminals..

(*) **Note:** See installation diagrams for wiring.

(*) e. "IN" connection terminals.

(*) f. "OUT" connection terminals.

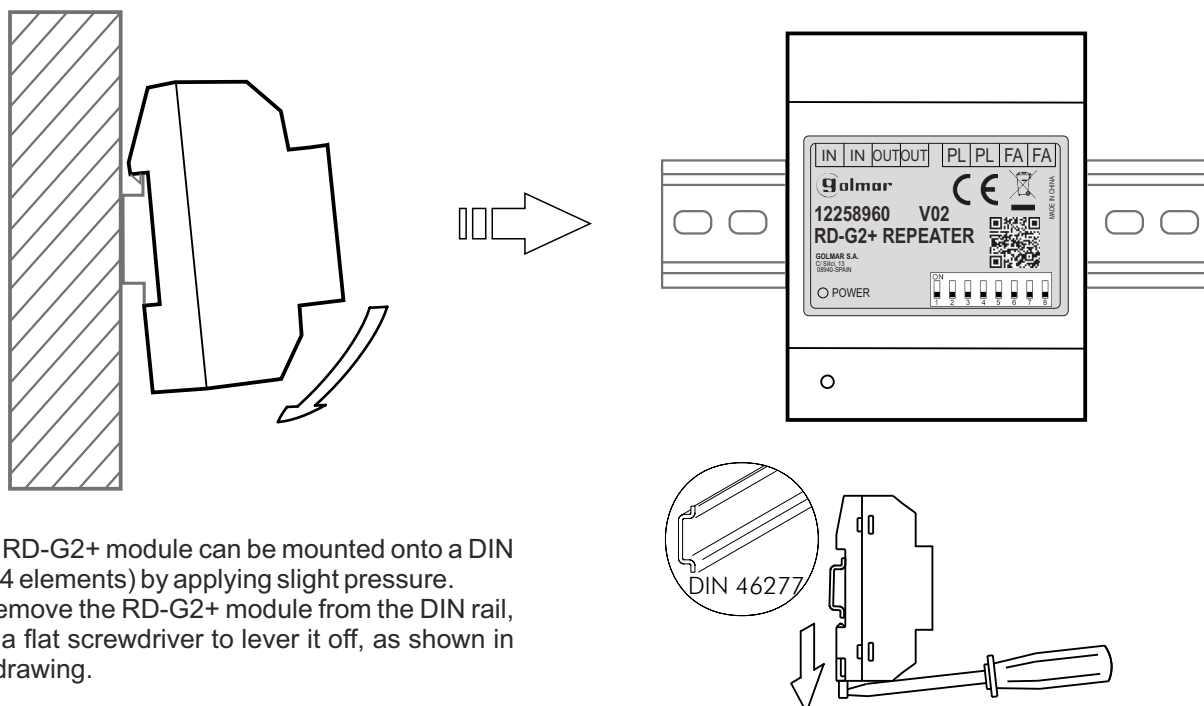
g. Configuration DIP switch.

h. DIN rail latch release.

INSTALLATION

Illustration of RD-G2+ digital repeater module:

Install the RD-G2+ module in a dry protected location free from the risk of dripping or splashing water.



The RD-G2+ module can be mounted onto a DIN rail (4 elements) by applying slight pressure. To remove the RD-G2+ module from the DIN rail, use a flat screwdriver to lever it off, as shown in the drawing.

INSTALLATION

Description of the DIP switches:

The DIP switches of the RD-G2+ module enable configuration of one of the 3 operating modes, building address number "block mode" and end of line.

Configuring the operation mode:

The DIP switches 1 and 2 of the RD-G2+ module allow us to configure between one of the 3 operating modes.



Amplifier mode:
DIP switches: 1 set to ON and 2 set to OFF.



Power mode:
DIP switches: 1 set to OFF and 2 set to ON.



Block mode:
DIP switches: 1 and 2 set to ON.



No function.

(*) Factory setting.

Configuration of the address number in the RD-G2+ module installed in "block mode":

Dip switches 3 to 7 of the RD-G2+ module allow us to set the address (building) of the RD-G2+ "block mode" (address 1 to 32).

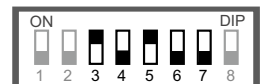
The DIP switches in the OFF position have zero value. In the ON position, they are assigned the values from the table below. The address code of the RD-G2+ module will be equal to the sum of the values of the switches set to ON.

Important:

- Address 1: (Dip3 set to ON & Dip4-Dip7 set to OFF)
- Address 32 (Dip3 - Dip7 set to OFF).

Table of values

Dip switches:	3	4	5	6	7
ON value:	1	2	4	8	16



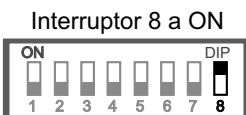
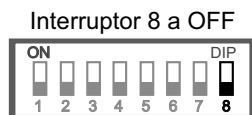
Example: 1+0+4+0+0= 5

Important:

- Select a different address number for each RD-G2+ module in "block mode".

Configuring the end of line on the RD-G2+ module:

DIP switch 8 of the RD-G2+ activates the end-of-line resistance in the ON position. Activate it in monitors where the bus cable ends. Deactivate it only in intermediate monitors.



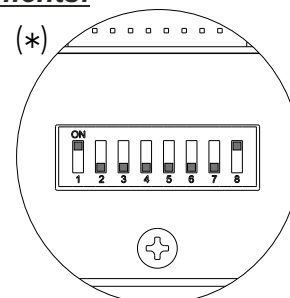
INSTALLATION

Configuring the button code (video installation up to 32 addresses/apartments):

The EL610D button module needs to be configured in order to assign a call code to the buttons. Carry out this configuration with the DIP switch located at the back of the module.

Depending on the configuration option selected, the buttons will be assigned with a certain call code.

To configure the call code on the monitors. It is worth noting the call code of each button, as shown in the table below.



EL610D button module

Double button module codes

		DIP switch								Button code										(1)
		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
Module configuration option	1	On	Off	Off	Off	Off	Off	Off	On	1	2	3	4	5	6	7	8	9	10	(*)
	2	Off	On	Off	Off	Off	Off	Off	On	11	12	13	14	15	16	17	18	19	20	
	3	Off	Off	On	Off	Off	Off	Off	On	21	22	23	24	25	26	27	28	29	30	

Single button module codes

		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P3	P5	P7	P9	(1)
		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P3	P5	P7	P9	
Module configuration option	1	On	Off	Off	Off	Off	Off	Off	On	1	2	3	4	5	(*)
	2	Off	On	Off	Off	Off	Off	Off	On	6	7	8	9	10	
	3	Off	Off	On	Off	Off	Off	Off	On	11	12	13	14	15	
	4	Off	Off	Off	On	Off	Off	Off	On	16	17	18	19	20	
	5	Off	Off	Off	Off	On	Off	Off	On	21	22	23	24	25	
	6	Off	Off	Off	Off	Off	On	Off	On	26	27	28	29	30	
	7	Off	Off	Off	Off	Off	Off	On	On	31	—	—	—	—	

(1) P1- P10: Button 1 - button 10.

Note: EL632 G2+ SE module V04 & later, factory setting with the code "128" in P1 and "127" in P2.

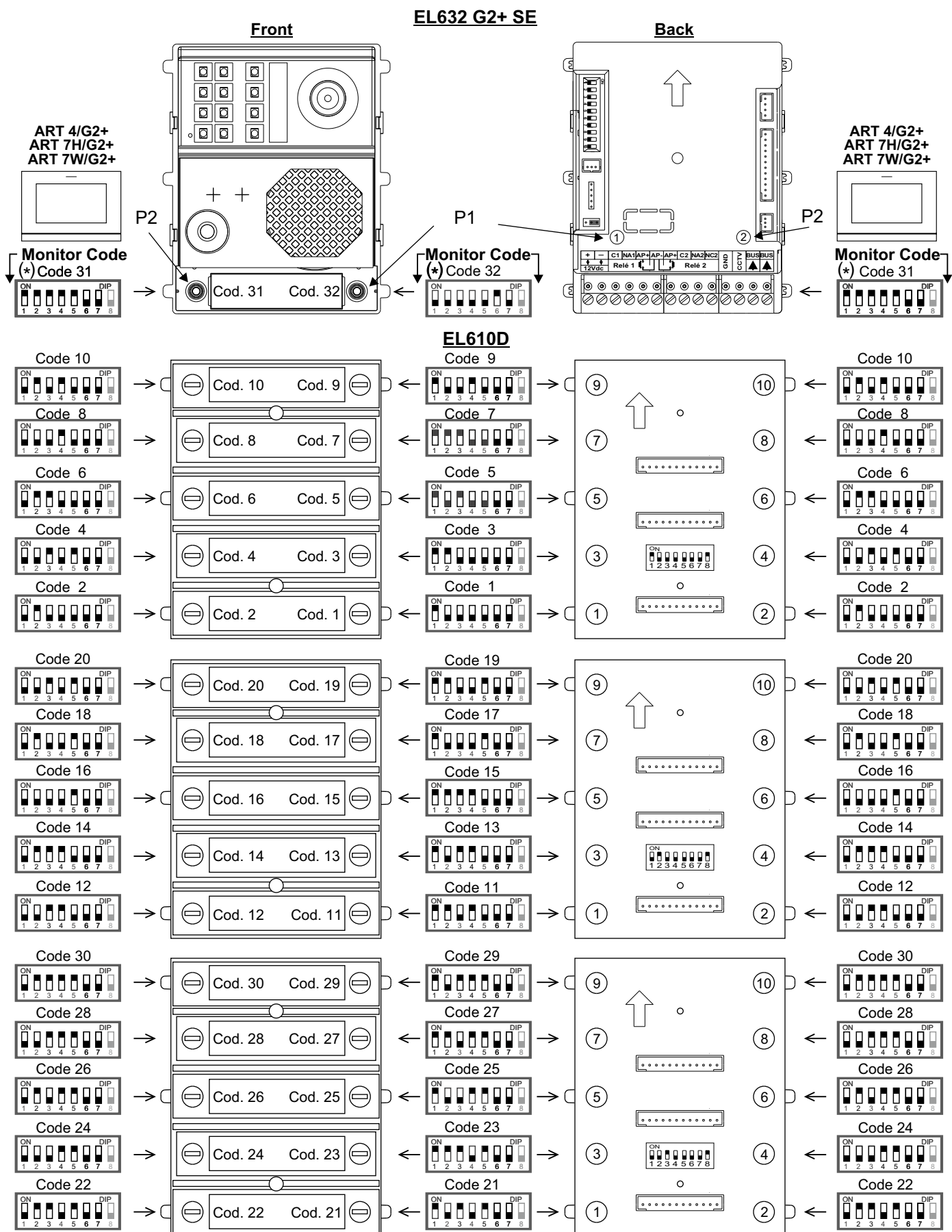
Note: EL632 G2+ SE module V04 & later, P1 and P2 push buttons must be changed the call code (for example "32" in P1 and "31" in P2), see manual: <https://doc.golmar.es/search/manual/50122528> (page 28).

Important: Select a different configuration option for each EL610D module.

Important: For description, installation, configuration and programming of the door panel, EL610D module and monitors, see manual enclosed with the corresponding door panel and monitor.

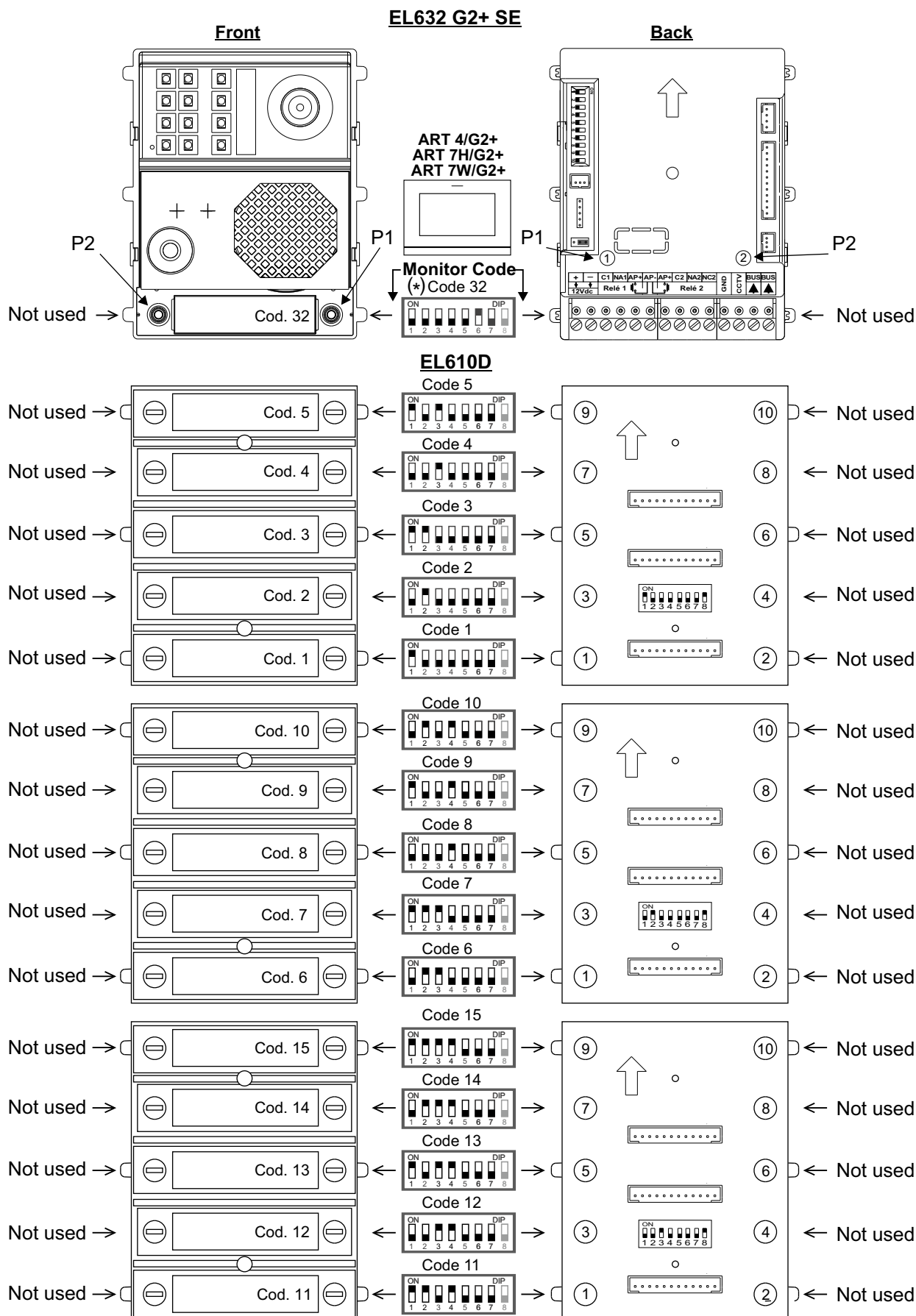
(*) **Factory setting.**

INSTALLATION

Configuring double button module codes:

(*) Note: EL632 G2+ SE module V04 & later, P1 and P2 push buttons must be changed the factory default call code (for example "32" in P1 and "31" in P2), see page 12.

INSTALLATION

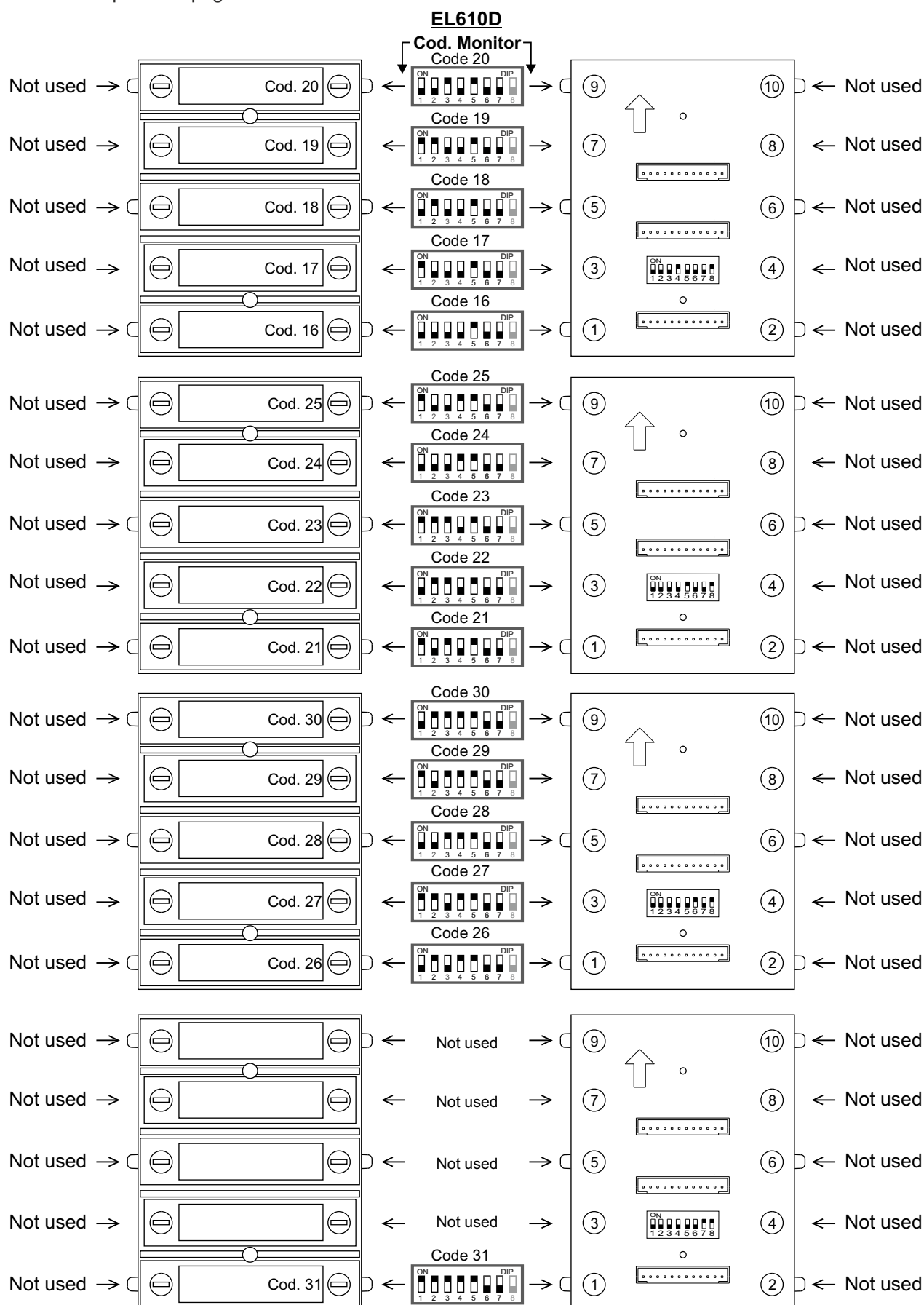
Configuring single button module codes:

(*) Note: EL632 G2+ SE module V04 & later, P1 push button must be changed the factory default call code "128" (for example "32" in P1), see page 12.

Continued overleaf

INSTALLATION

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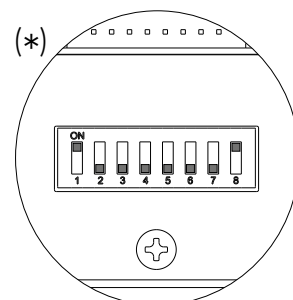
INSTALLATION

Configuring the button code (up to 128 addresses/apartments):

The EL610D button module needs to be configured in order to assign a call code to the buttons. Carry out this configuration with the DIP switch located at the back of the module.

Depending on the configuration option selected, the buttons will be assigned with a certain call code.

To configure the call code on the monitors. It is worth noting the call code of each button, as shown in the table below.



IMPORTANT: Only audio installation up to 128 terminals/apartments with EL642 G2+ sound module.

EL610D button module
Double button module codes

		DIP switch								Button code										(1)
		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
Module configuration option	1	On	Off	Off	Off	Off	Off	Off	On	1	2	3	4	5	6	7	8	9	10	(*)
	2	Off	On	Off	Off	Off	Off	Off	On	11	12	13	14	15	16	17	18	19	20	
	3	Off	Off	On	Off	Off	Off	Off	On	21	22	23	24	25	26	27	28	29	30	
	4	Off	Off	Off	On	Off	Off	Off	On	31	32	33	34	35	36	37	38	39	40	
	5	Off	Off	Off	Off	On	Off	Off	On	41	42	43	44	45	46	47	48	49	50	
	6	Off	Off	Off	Off	Off	On	Off	On	51	52	53	54	55	56	57	58	59	60	
	7	Off	Off	Off	Off	Off	Off	On	On	61	62	63	64	65	66	67	68	69	70	
	8	On	Off	Off	Off	Off	Off	Off	Off	71	72	73	74	75	76	77	78	79	80	
	9	Off	On	Off	Off	Off	Off	Off	Off	81	82	83	84	85	86	87	88	89	90	
	10	Off	Off	On	Off	Off	Off	Off	Off	91	92	93	94	95	96	97	98	99	100	
	11	Off	Off	Off	On	Off	Off	Off	Off	101	102	103	104	105	106	107	108	109	110	
	12	Off	Off	Off	Off	On	Off	Off	Off	111	112	113	114	115	116	117	118	119	120	
	13	Off	Off	Off	Off	Off	On	Off	Off	121	122	123	124	125	126	127	128	—	—	

(1) P1- P10: Button 1 - button 10.

Note: EL632 G2+ SE module V04 & later, factory setting with the code "128" in P1 and "127" in P2.

Note: EL642 G2+ audio module V02 & later, factory setting with the code "128" in P1 & "127" in P2.

Important: Select a different configuration option for each EL610D module.

Important: For description, installation, configuration and programming of the door panel, EL610D module, monitors and audio terminals, see manual enclosed with the corresponding door panel and monitor.

(*) **Factory setting.**

INSTALLATION

Continued from previous page.

EL610D button module

Single button module codes

		DIP switch								Button code					(1)
		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P3	P5	P7	P9	
Module configuration option	1	On	Off	Off	Off	Off	Off	Off	On	1	2	3	4	5	(*)
	2	Off	On	Off	Off	Off	Off	Off	On	6	7	8	9	10	
	3	Off	Off	On	Off	Off	Off	Off	On	11	12	13	14	15	
	4	Off	Off	Off	On	Off	Off	Off	On	16	17	18	19	20	
	5	Off	Off	Off	Off	On	Off	Off	On	21	22	23	24	25	
	6	Off	Off	Off	Off	Off	On	Off	On	26	27	28	29	30	
	7	Off	Off	Off	Off	Off	Off	On	On	31	32	33	34	35	
	8	On	Off	Off	Off	Off	Off	Off	Off	36	37	38	39	40	
	9	Off	On	Off	Off	Off	Off	Off	Off	41	42	43	44	45	
	10	Off	Off	On	Off	Off	Off	Off	Off	46	47	48	49	50	
	11	Off	Off	Off	On	Off	Off	Off	Off	51	52	53	54	55	
	12	Off	Off	Off	Off	On	Off	Off	Off	56	57	58	59	60	
	13	Off	Off	Off	Off	Off	On	Off	Off	61	62	63	64	65	
	14	Off	Off	Off	Off	Off	Off	On	Off	66	67	68	69	70	

(1) P1- P10: Pulsador 1 - pulsador 10.

Note: EL632 G2+ SE video module V04 & later, factory setting with the code "128" in P1.

Note: EL632 G2+ SE video module V04 & later, P1 push button must be changed the call code for example "71" in P1, see manual: <https://doc.golmar.es/search/manual/50122528> (page 28).

Note: EL642 G2+ audio module V02 & later, factory default with the code "128" in P1.

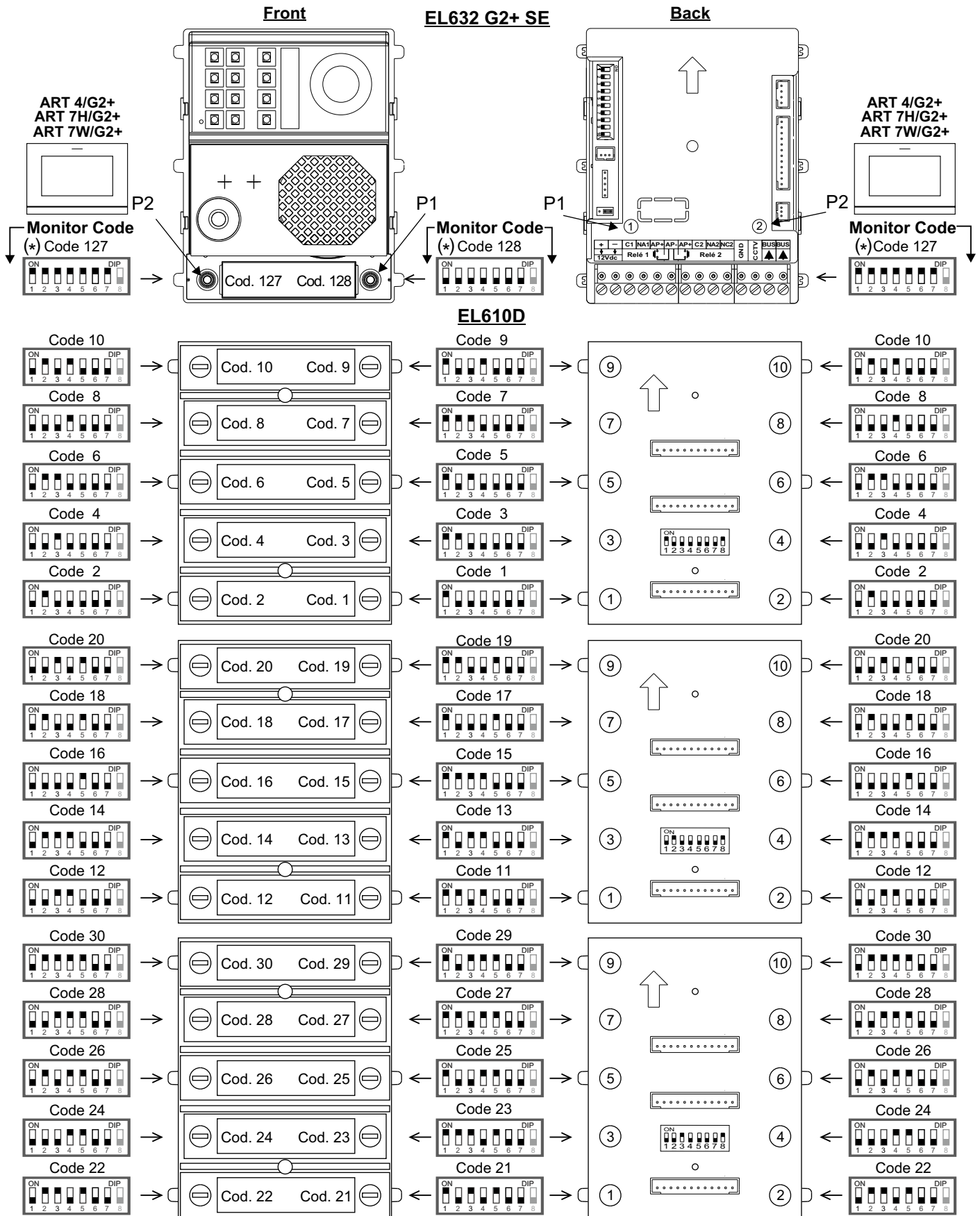
Nota: EL642 G2+ audio module V02 & later, P1 push button must be changed the call code for example "71" in P1, see manual: <https://doc.golmar.es/search/manual/50122528> (page 28).

Important: Select a different configuration option for each EL610D module.

Important: For description, installation, configuration and programming of the door panel, EL610D module, monitors and audio terminals, see manual enclosed with the corresponding door panel and monitor.

(*) **Factory setting.**

INSTALLATION

Configuring double button module codes (up to 128 addresses/apartments):

(*) Note: EL632 G2+ SE video module V04 & later, factory setting with the code "128" in P1 and "127" in P2.
EL642 G2+ audio module V02 & later, factory setting with the code "128" in P1 & "127" in P2.

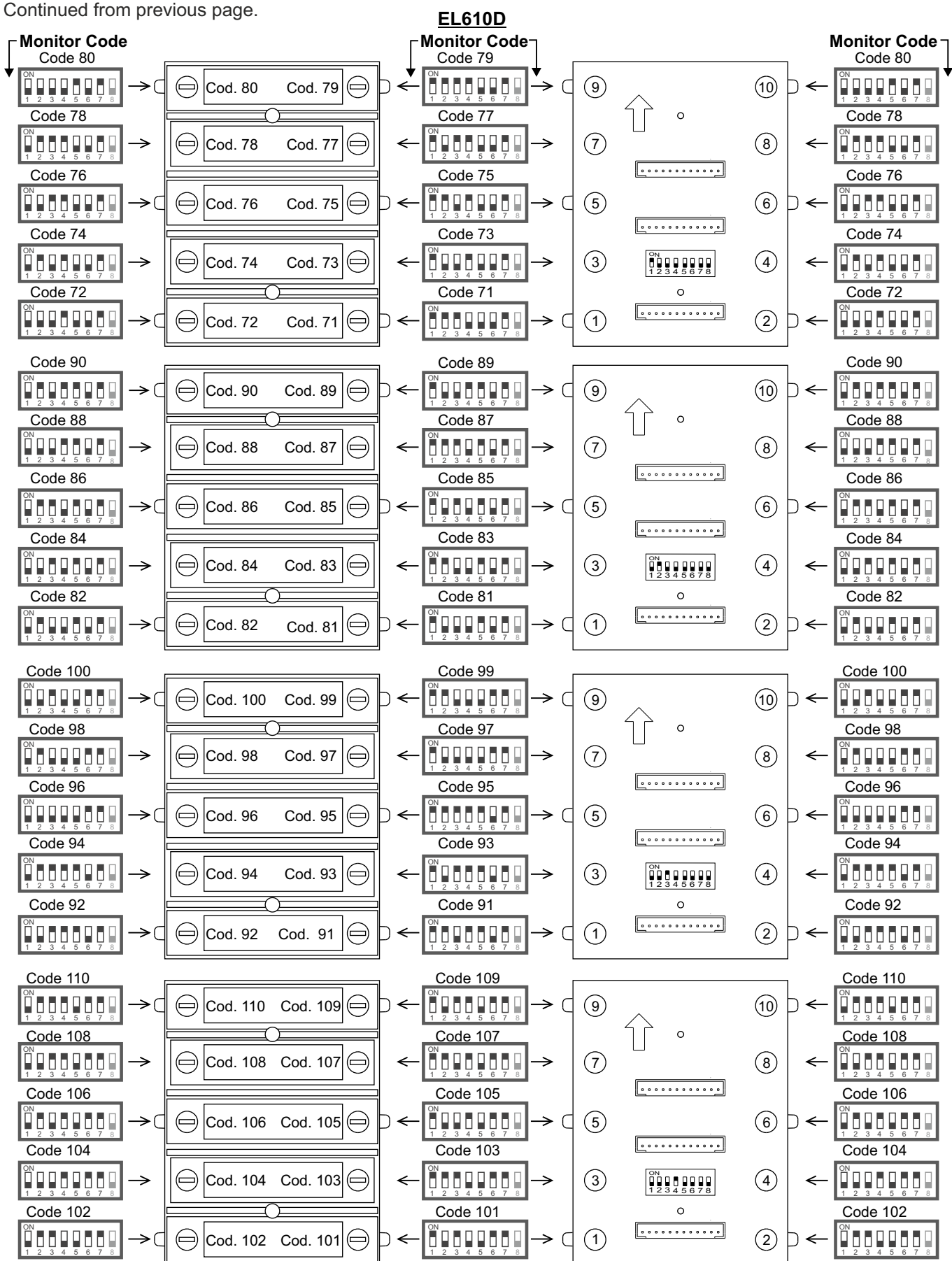
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INSTALLATION

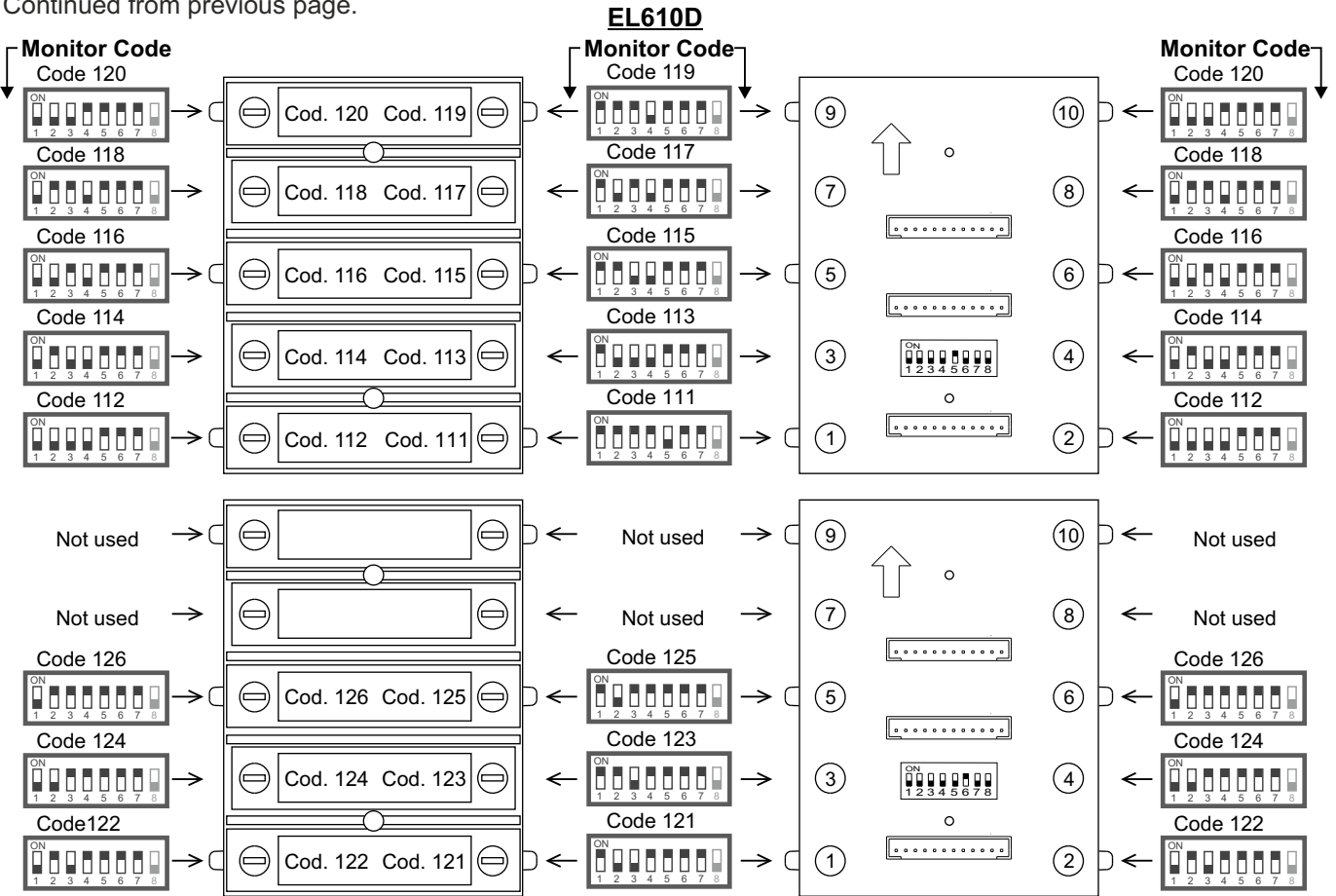
Continued from previous page.



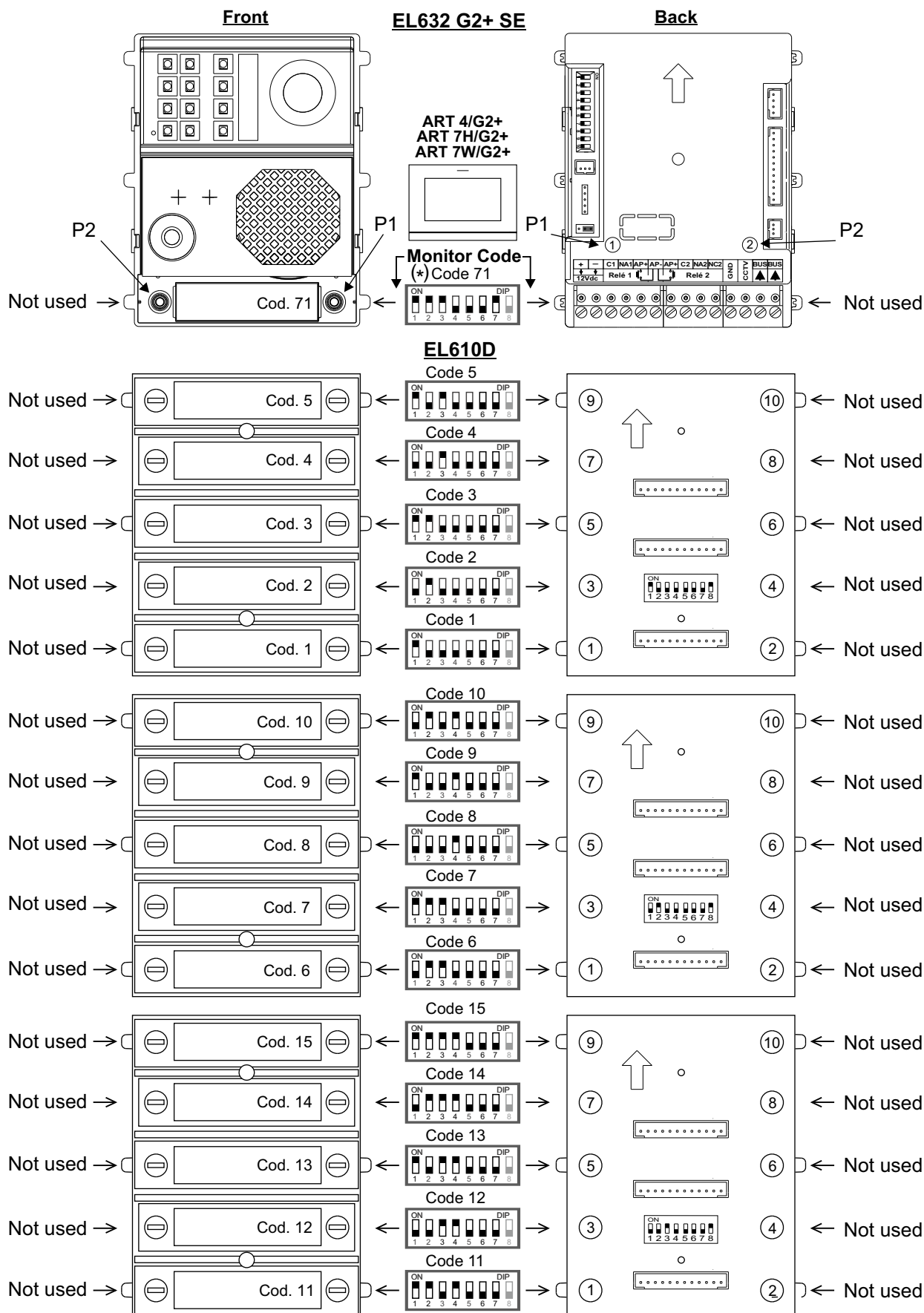
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INSTALLATION

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INSTALLATION

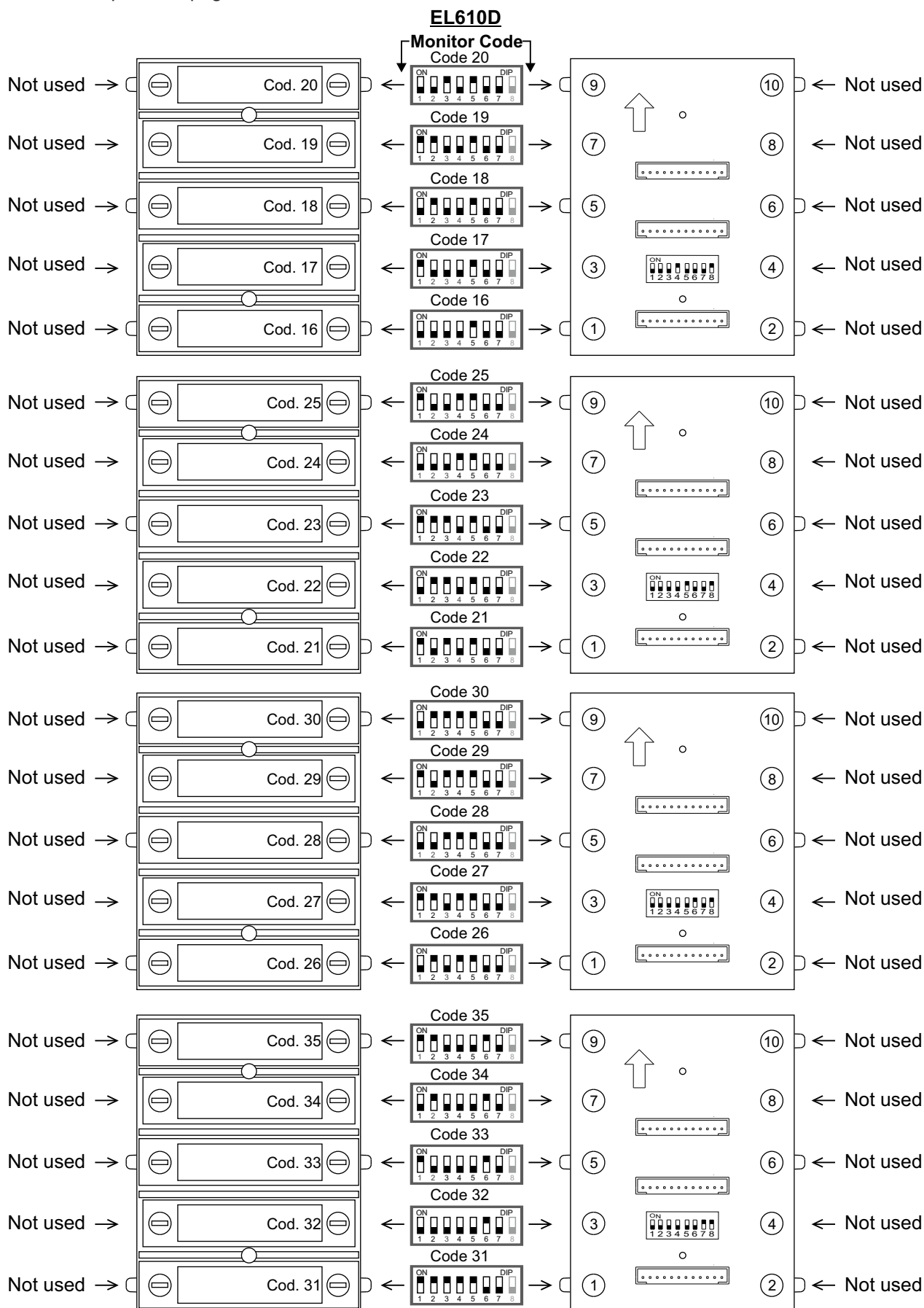
Configuring single button module codes (up to 71 addresses/apartments):

(*) Nota: EL632 G2+ SE V04 & later, P1 push button must be changed the call code for example "71" in P1.
EL642 G2+ V02 & later, P1 push button must be changed the call code for example "71" in P1.

Continued overleaf

INSTALLATION

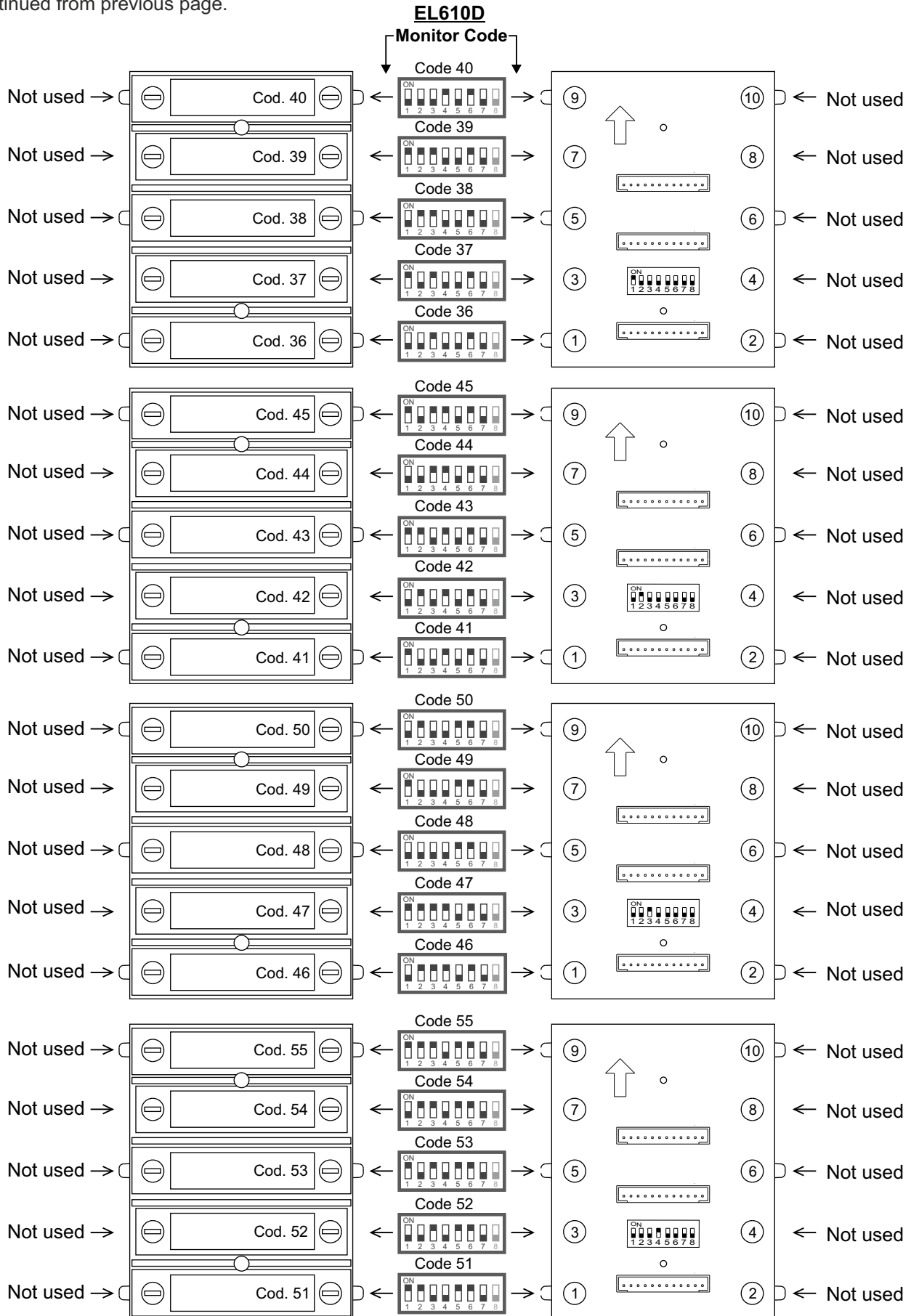
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INSTALLATION

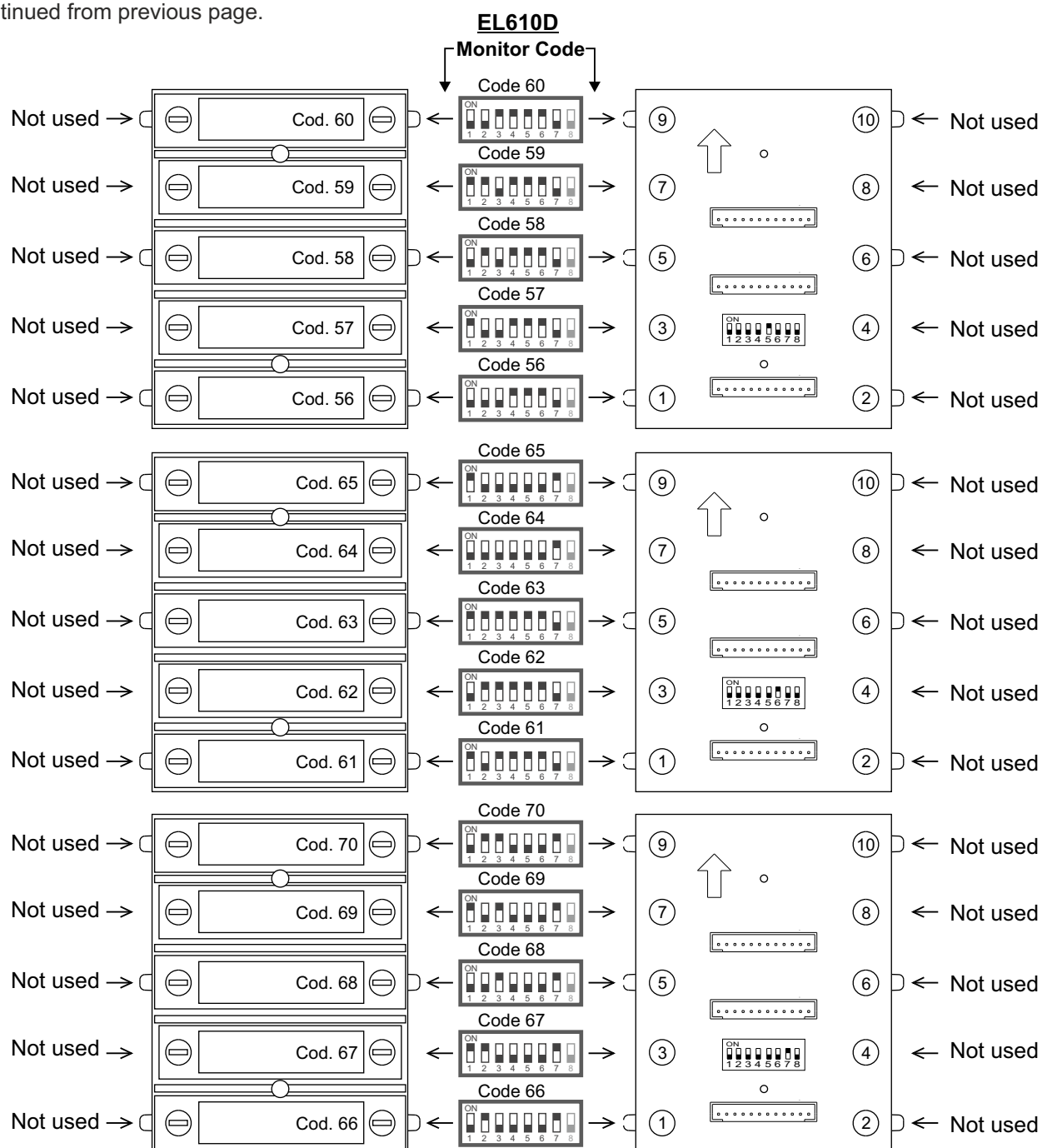
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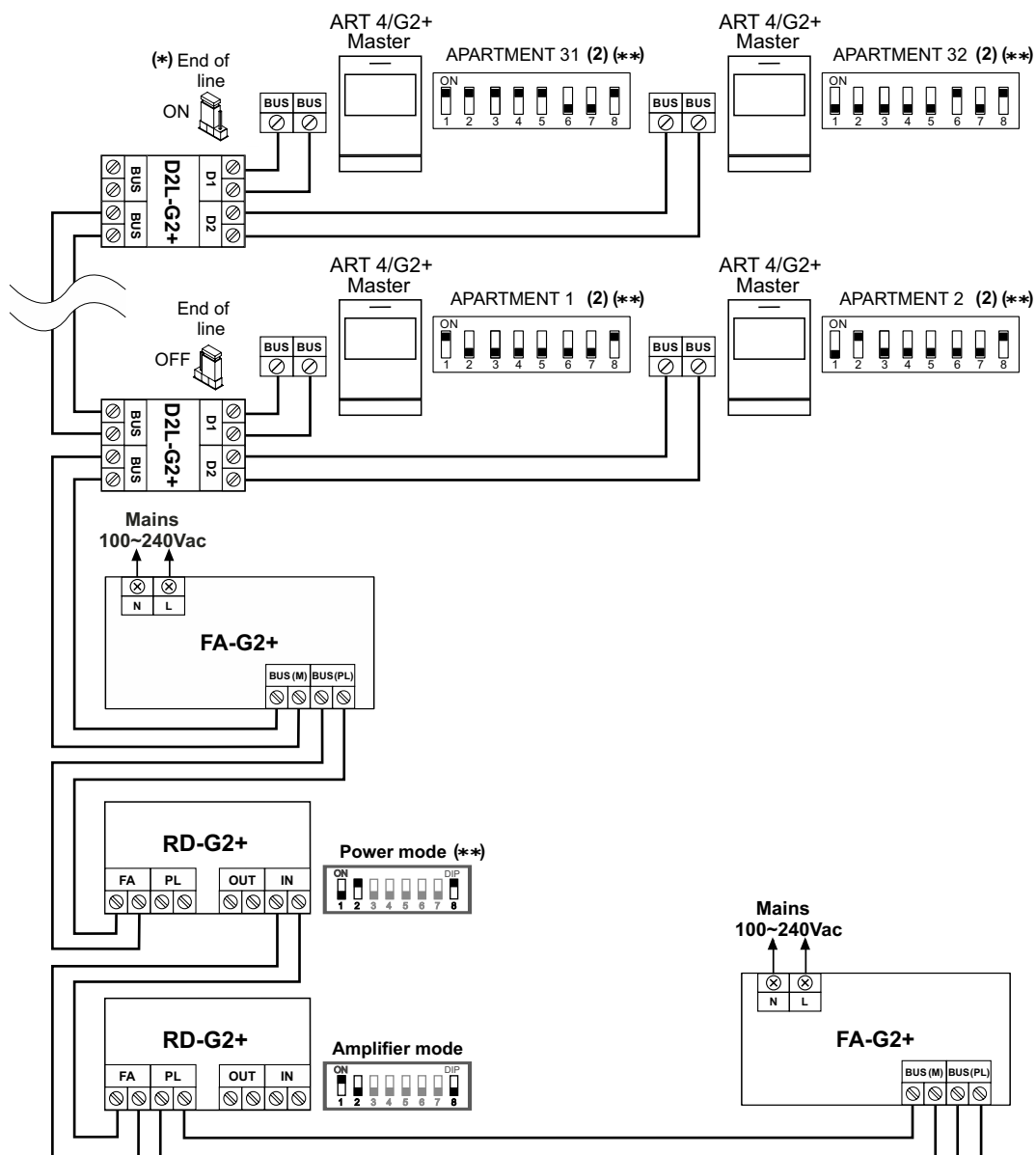
INSTALLATION

Continued from previous page.



WIRING DIAGRAMS (AMPLIFIER MODE):

Video door entry system with RD-G2+ "amplifier mode" (to increase the distance of the monitor bus).



(*) Set the End of line jumper on the last distributor to ON, set all other intermediate distributors to OFF.

(**) Configure the end of line in the last monitor/ RD-G2+. Dip 8 to On.

Example installation type:

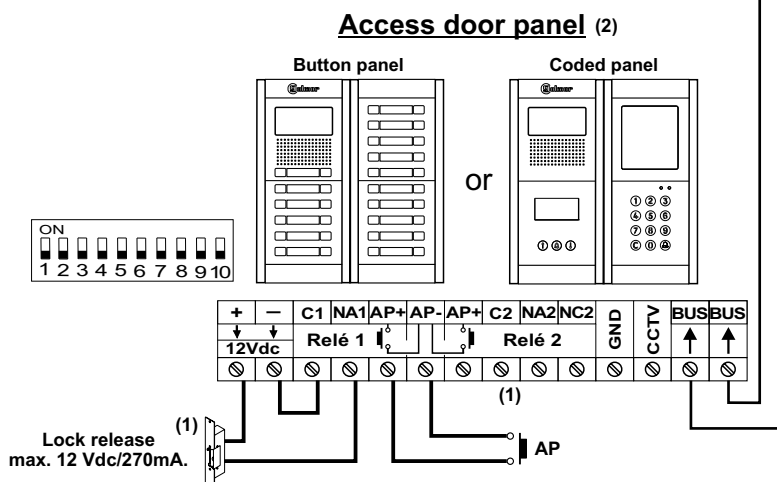
- 32 monitors with ART 4 G2+ / ART 4 G2+ LITE.
- 32 monitors with ART 7H G2+ / ART 7 G2+ LITE.
- 32 monitors with ART 7W/G2+.

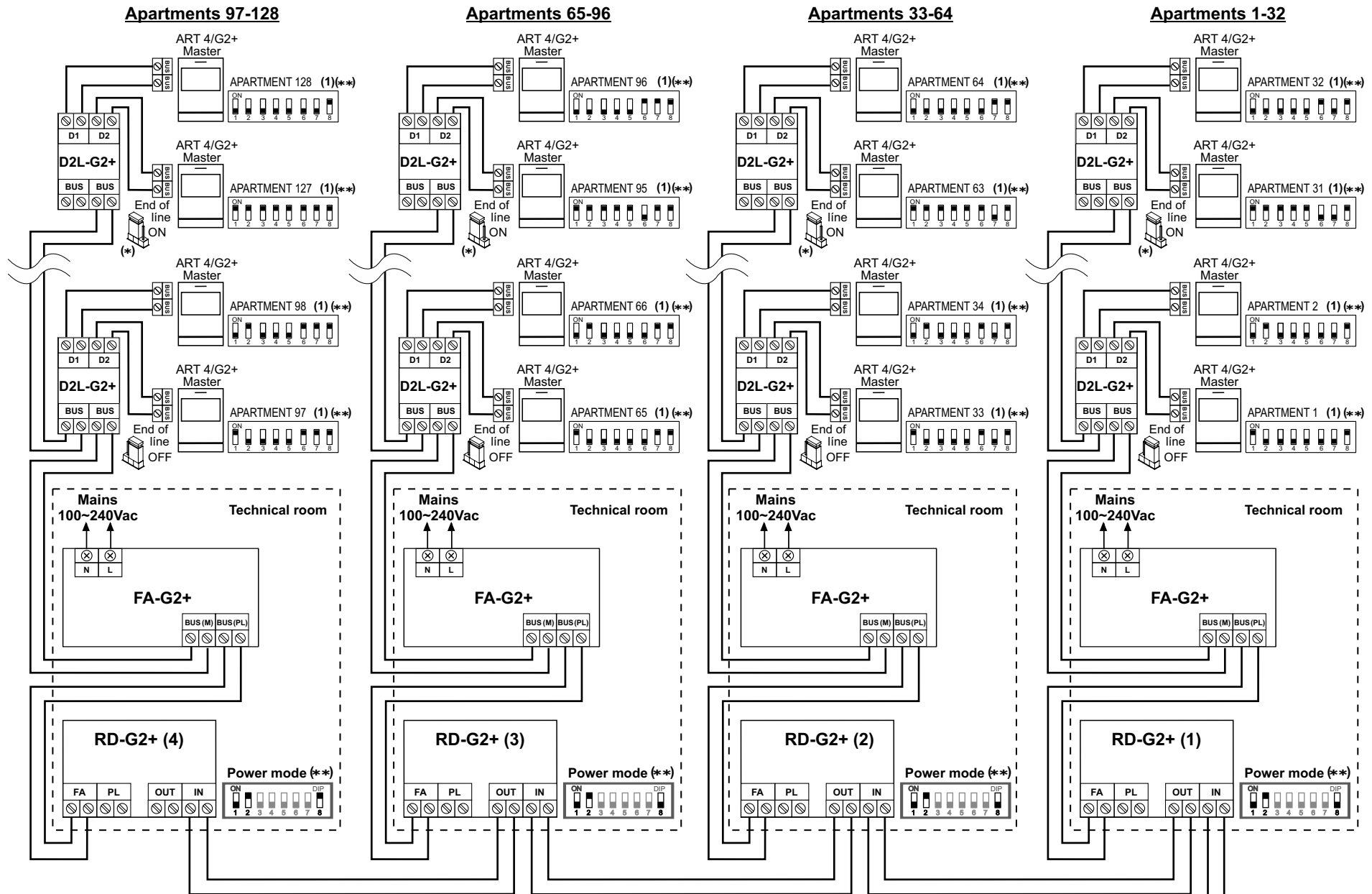
Important:

(1) For a.c. lock release or a second lock release, (see page 39).

(2) For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

Note: Distances and cross-sections, see page 4.



Video door entry system with 1 building, 128 monitors (ART 4/ART 7H/ART 7W) and 4 RD-G2+ “power mode”.**WIRING DIAGRAMS (POWER MODE):**

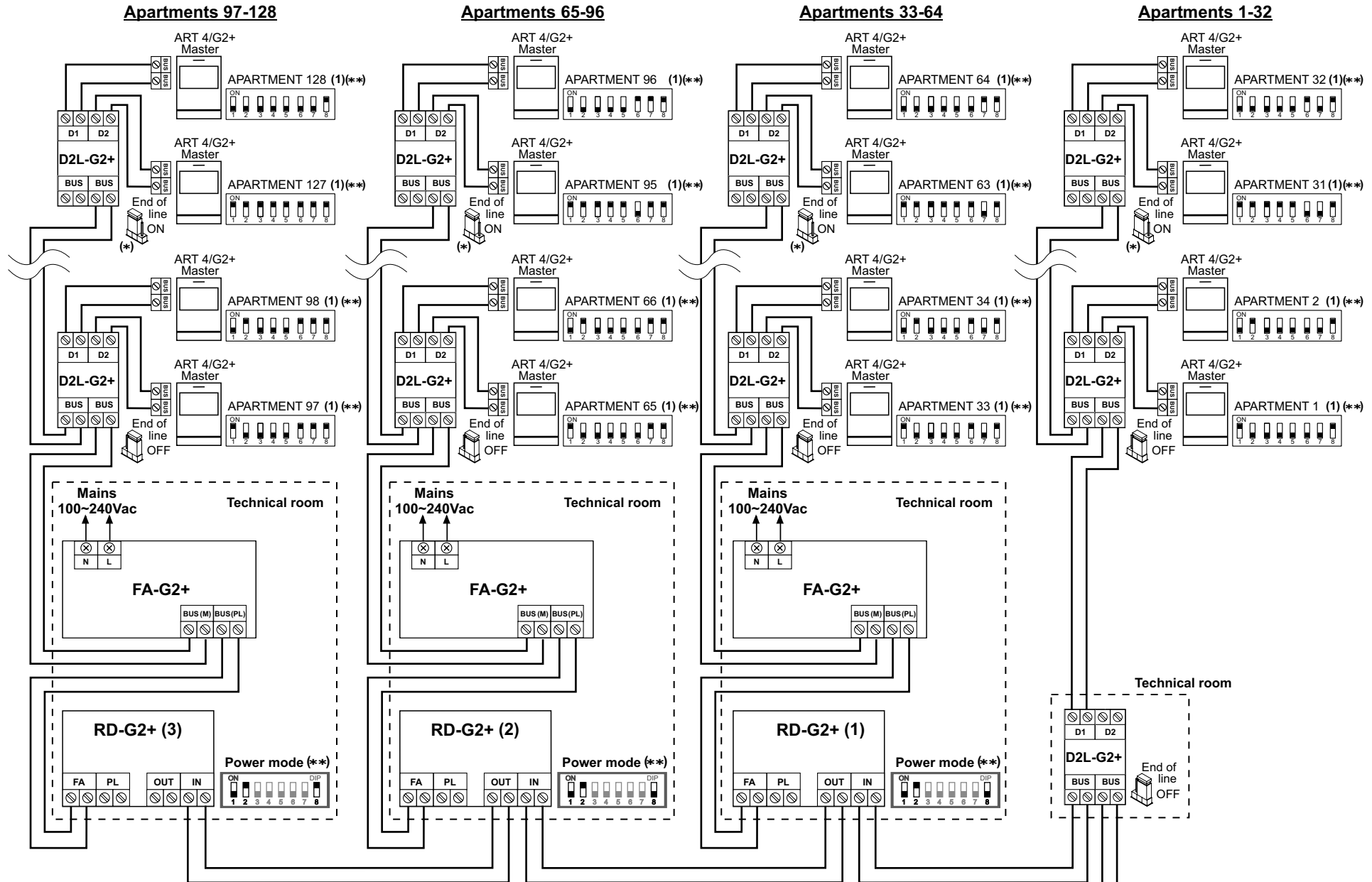
(*) Set the End of line jumper on the last distributor to ON, set all other intermediate distributors to OFF.

Note: Distances and cross-sections, see page 6.

(**) Configure the end of line in the last monitor/ RD-G2+. Dip 8 to ON.

(1) **Important:** For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

To "Bus M" of the FA-G2+ power supply (see page 36).
Note: More than 1 door panel (see page 37 and 38).

Video door entry system with 1 building, 128 monitors (ART 4/ART 7H/ART 7W) and 3 RD-G2+ “power mode”.**WIRING DIAGRAMS (POWER MODE):**

(*) Set the End of line jumper on the last distributor to ON, set all other intermediate distributors to OFF.

Note: Distances and cross-sections, see page 6.

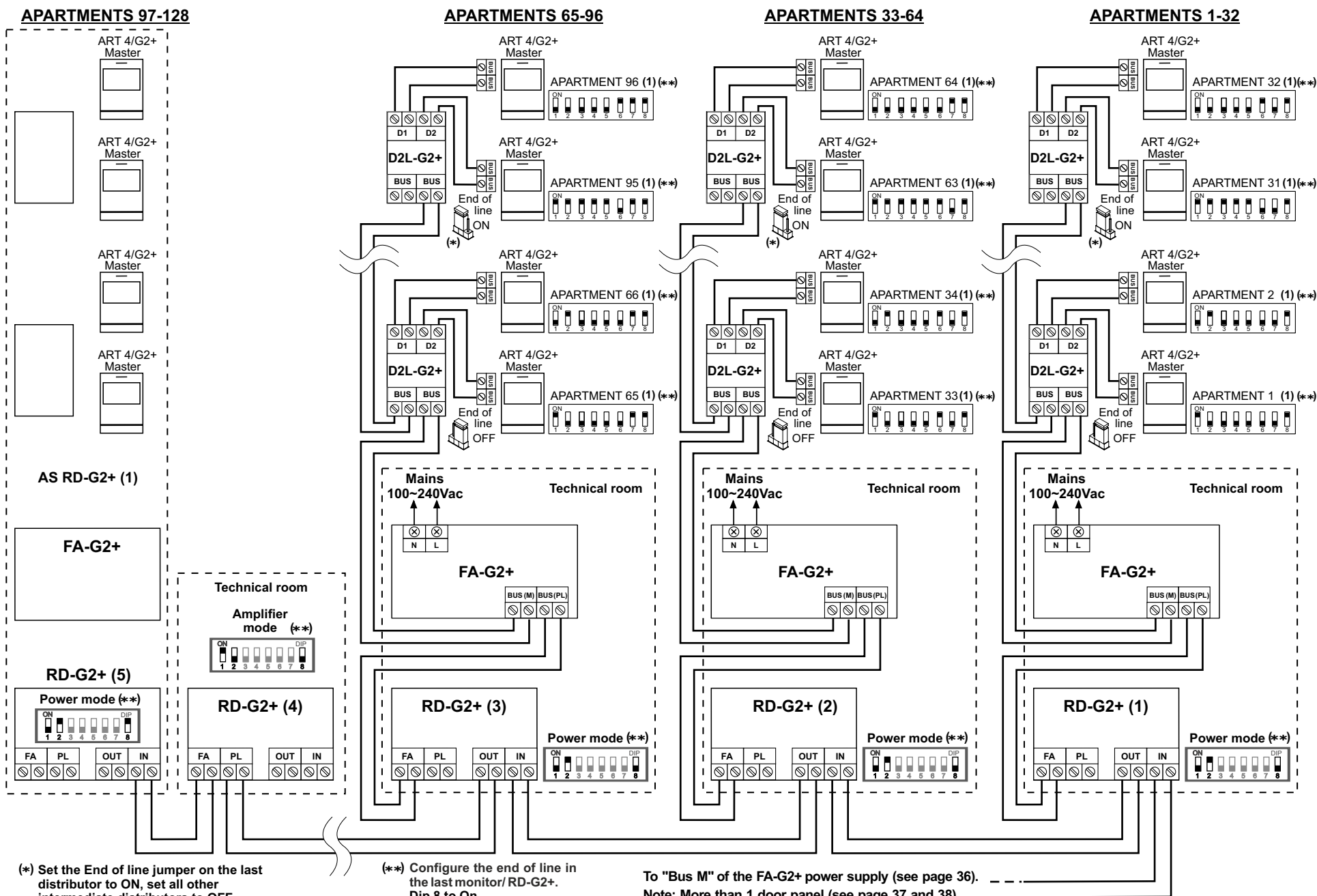
(**) Configure the end of line in the last monitor/ RD-G2+. Dip 8 to On.

(1) Important: For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

To "Bus M" of the FA-G2+ power supply (see page 36).

Note: More than 1 door panel (see page 37 and 38).

Video door entry system with 1 building, 128 monitors (ART 4 / ART 7H / ART 7W), 4 RD-G2+ “power mode” and 1 RD-G2+ “modo amplifier”



(*) Set the End of line jumper on the last distributor to ON, set all other intermediate distributors to OFF.

Note: Distances and cross-sections, see page 5.

(**) Configure the end of line in the last monitor/ RD-G2+.
Dip 8 to On.

(1) **Important:** For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

To "Bus M" of the FA-G2+ power supply (see page 36).

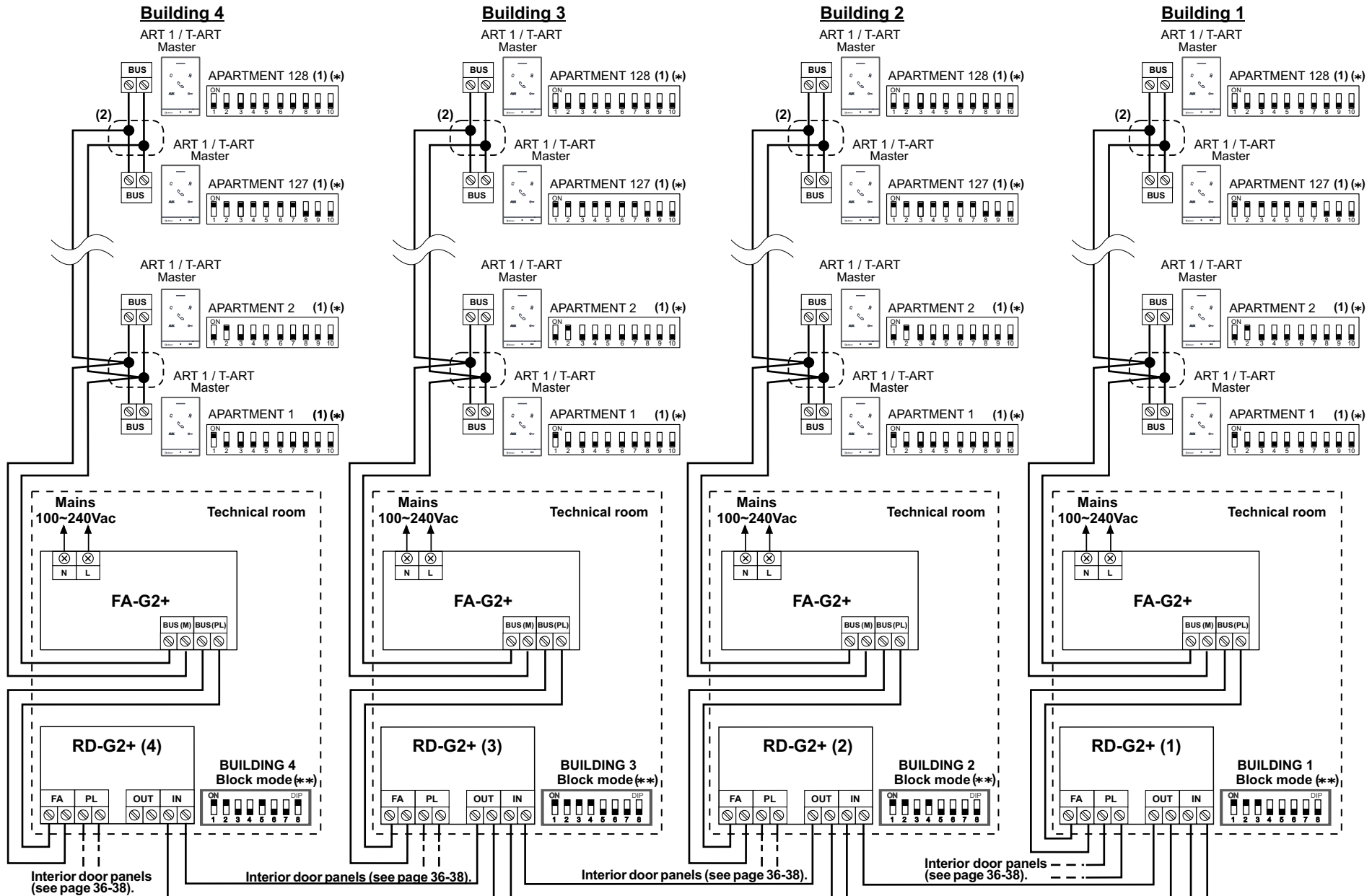
Note: More than 1 door panel (see page 37 and 38).

WIRING DIAGRAMS (POWER MODE AND AMPLIFIER MODE):

RD-G2+ DIGITAL REPEATER

WIRING DIAGRAMS (BLOCK MODE):

Audio door entry system with generals coded door panels, 4 buildings, 128 audio terminals per building, 4 RD-G2+ "block mode".



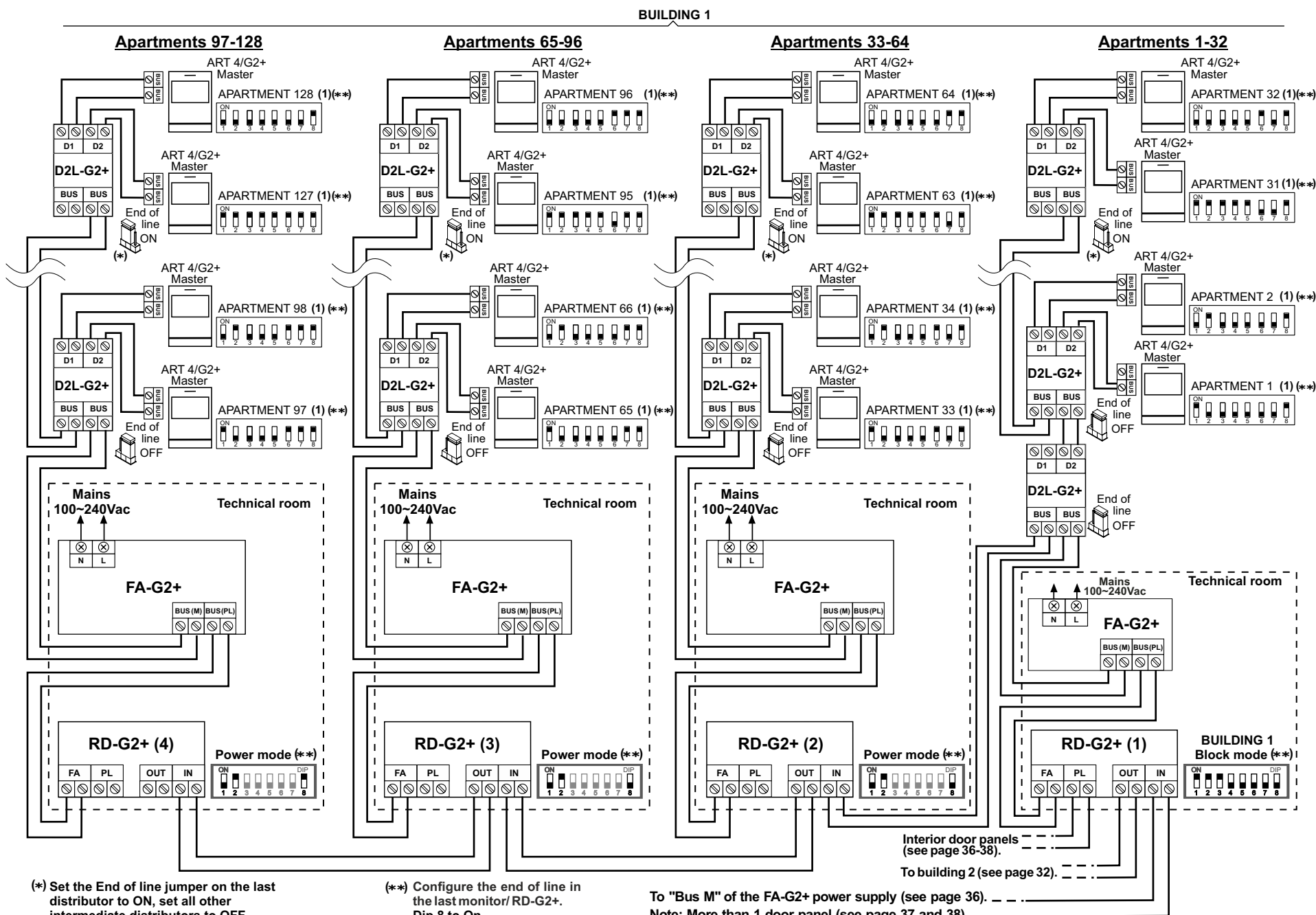
(*) Only audio installation, configure the end of line Dip 10 to OFF in all audio terminals.

(**) Configure the end of line in the last RD-G2+. Dip 8 to On.

To "Bus M" of the FA-G2+ power supply (see page 36).
Note: More than 1 door panel (see page 37 and 38).

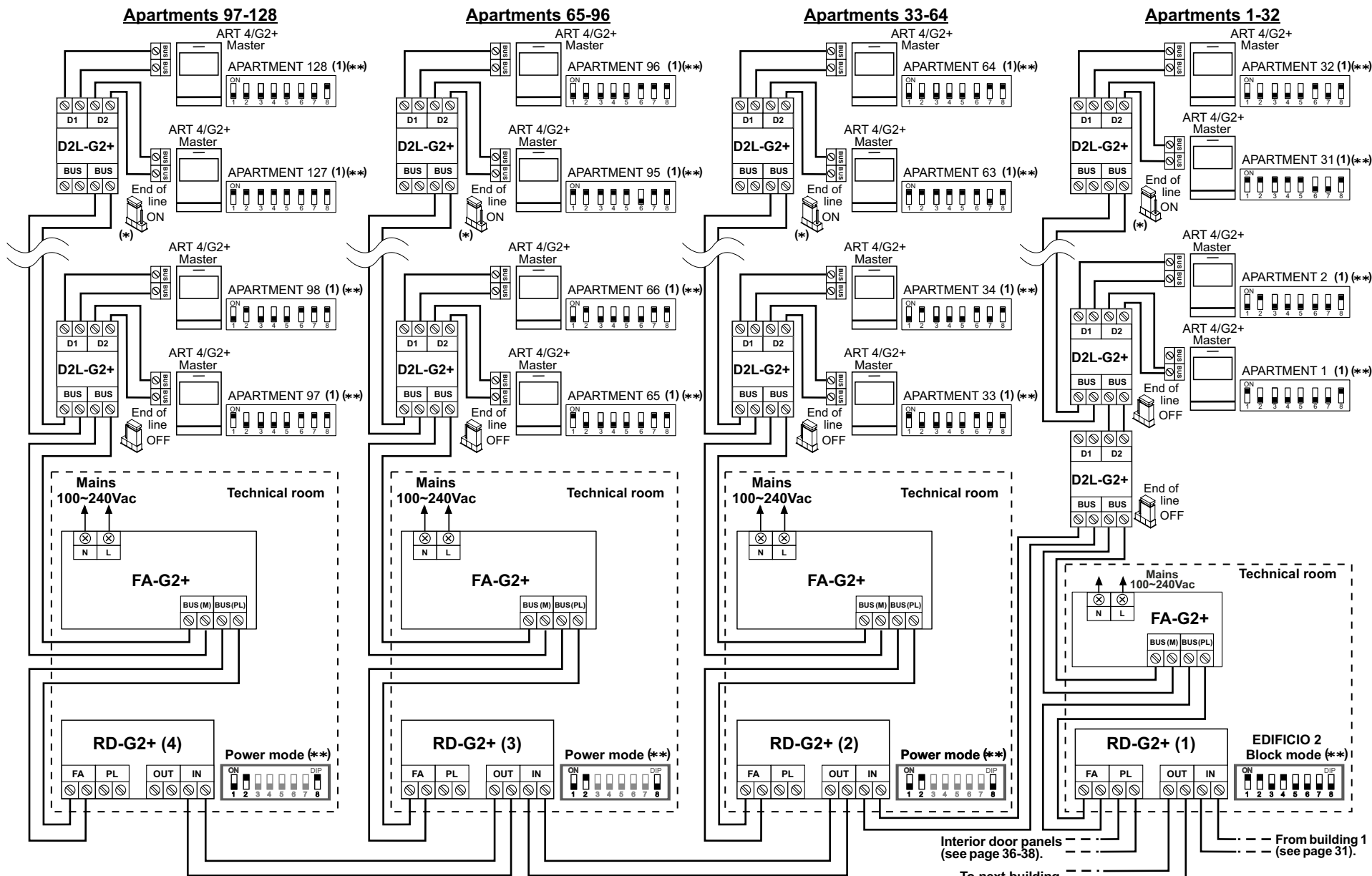
(1) Important: For description, installation, configuration and programming of door panels and audio terminals, see the corresponding manuals.
(2) Important: Make the connections in electrical junction box.

Note: Distances and cross-sections, see page 7.



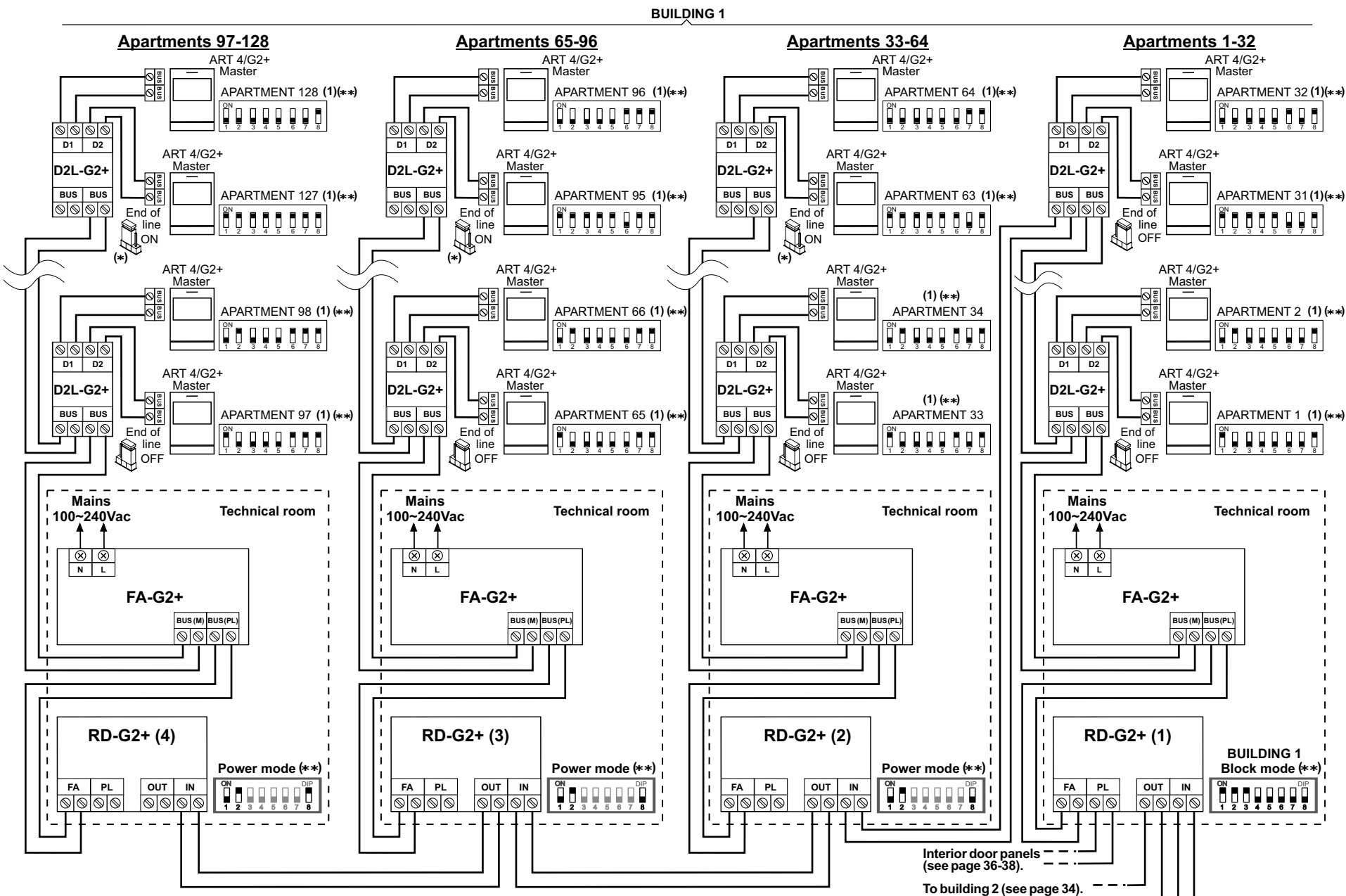
Video installation with general coded door panels, buildings of 128 monitors (ART 4 / ART 7H / ART 7W), 1 RD-G2+ “block mode” & 3RD-G2+ “power mode”.

BUILDING 2



WIRING DIAGRAMS (BLOCK MODE AND POWER MODE):

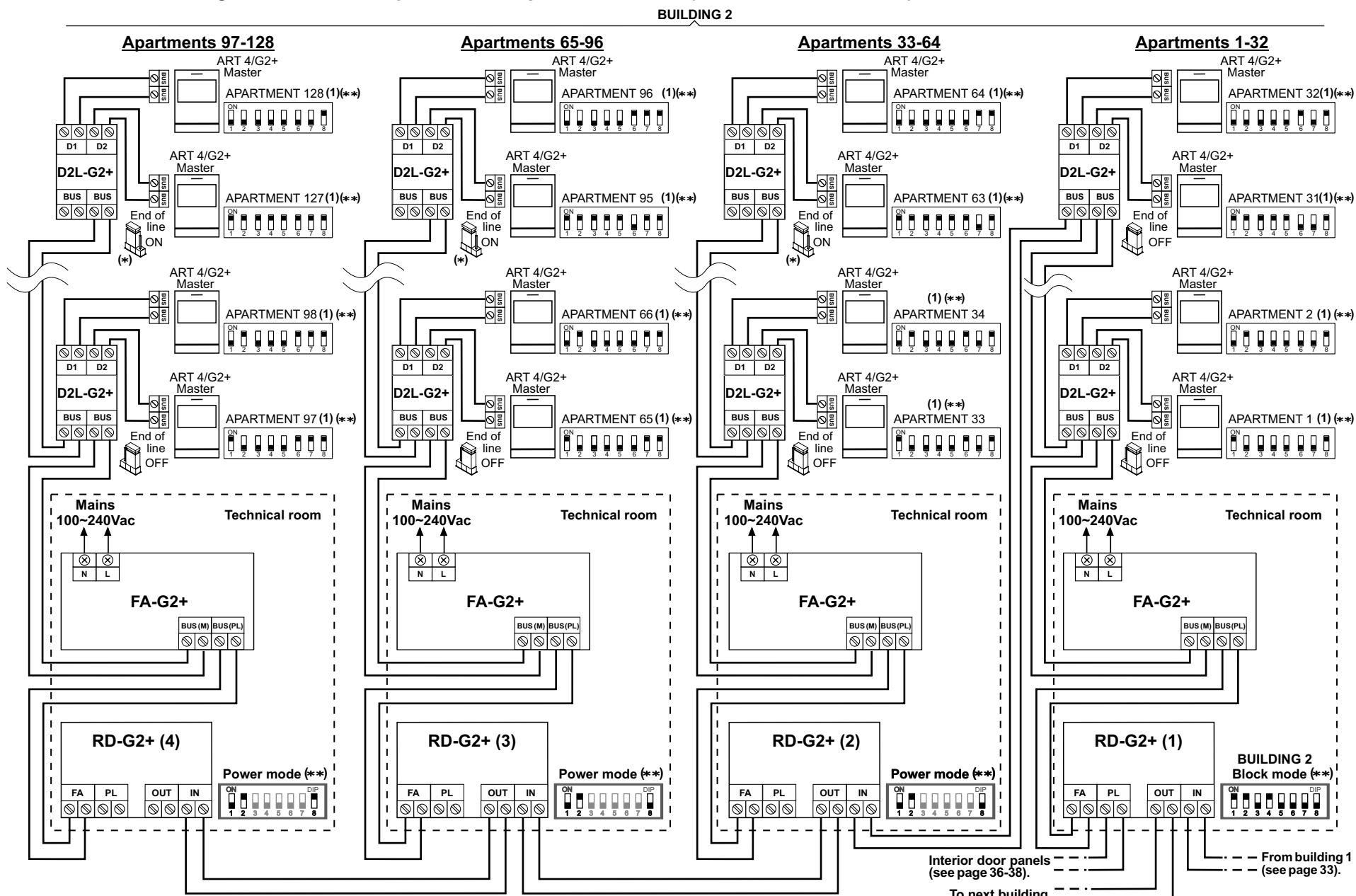
RD-G2+ DIGITAL REPEATER



WIRING DIAGRAMS (BLOCK MODE AND POWER MODE):

RD-G2+ DIGITAL REPEATER

Video installation with general coded door panels, buildings of 128 monitors (ART 4 / ART 7H / ART 7W), 1 RD-G2+ “block mode” & 3RD-G2+ “power mode”.



(*) Set the End of line jumper on the last distributor to ON, set all other intermediate distributors to OFF.

Note: Distances and cross-sections, see pages 6 & 8.

(**) Configure the end of line in the last monitor/ RD-G2+. Dip 8 to On.

(1) **Important:** For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

Interior door panels (see page 36-38).
To next building.
(In the last building “RD-G2+ as block mode” Dip 8 to On).

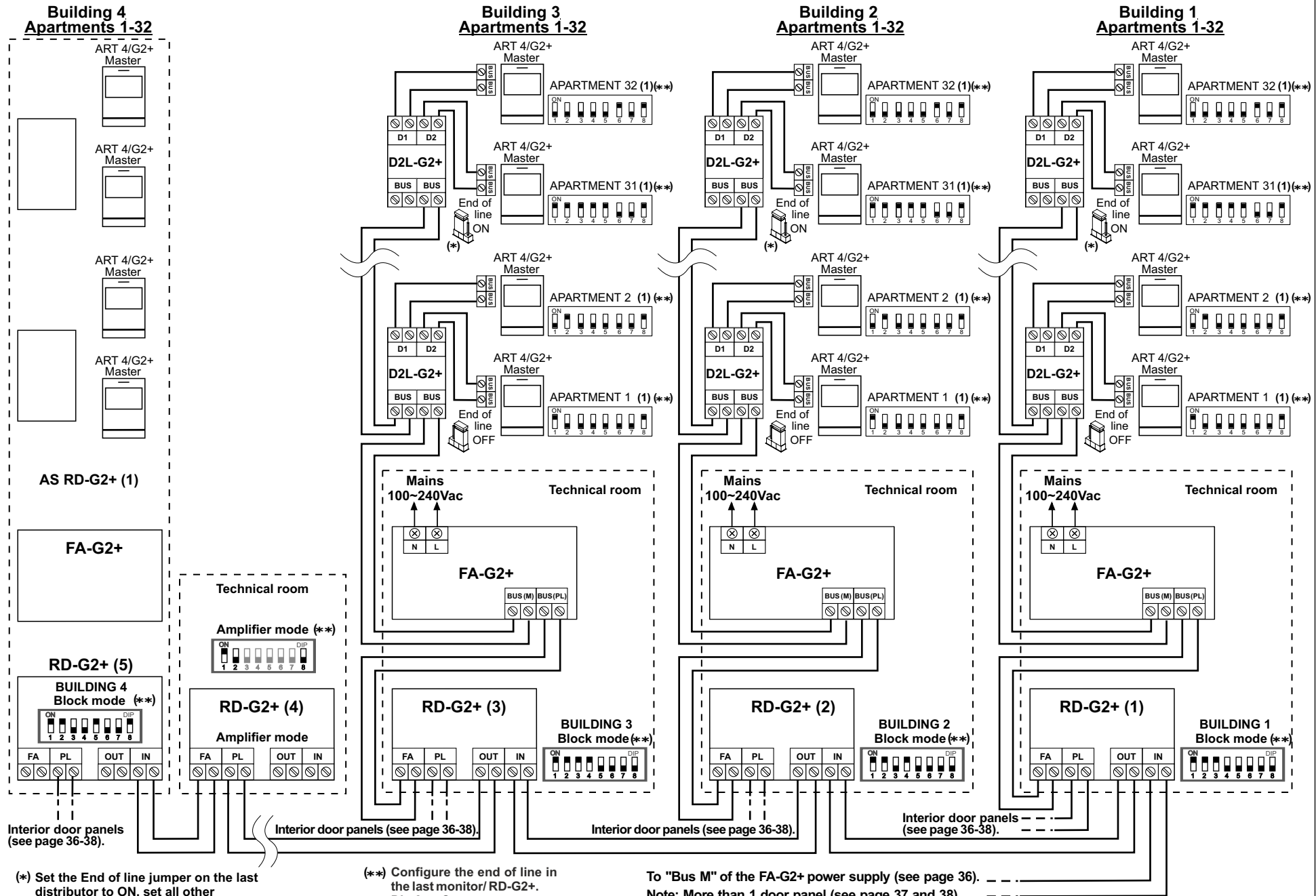
WIRING DIAGRAMS (BLOCK MODE AND POWER MODE):

RD-G2+ DIGITAL REPEATER

34

Video installation with 4 buildings, 128 monitors (ART 4 / ART 7H / ART 7W), 4 RD-G2+ “block mode” and 1 RD-G2+ “amplifier mode”.

WIRING DIAGRAMS (BLOCK MODE AND AMPLIFIER MODE):



(*) Set the End of line jumper on the last distributor to ON, set all other intermediate distributors to OFF.

Note: Distances and cross-sections, see page 9.

(**) Configure the end of line on the last monitor/RD-G2+. Dip 8 to On.

(1) Important: For description, installation, configuration and programming of door panels and monitors, see the corresponding manuals.

To "Bus M" of the FA-G2+ power supply (see page 36).
Note: More than 1 door panel (see page 37 and 38).

Audio and video door entry system with 1 door panel and Golmar DC lock release.

Important:

lock release, (see page 39).

Access panel

Button panel Coded panel

OR

Lock release
max. 12 Vdc/270mA.

(1)

Important:

and lock release (see page 39).
Resistor supplied with the sound module
the terminals of the lock release.

Access panel

Button panel

Coded panel

OR

12Vdc

Relé 1

Relé 2

(1)

AP1

Lock release
max. 12 Vac/850mA.

(*)

TF-104

SEC PRI

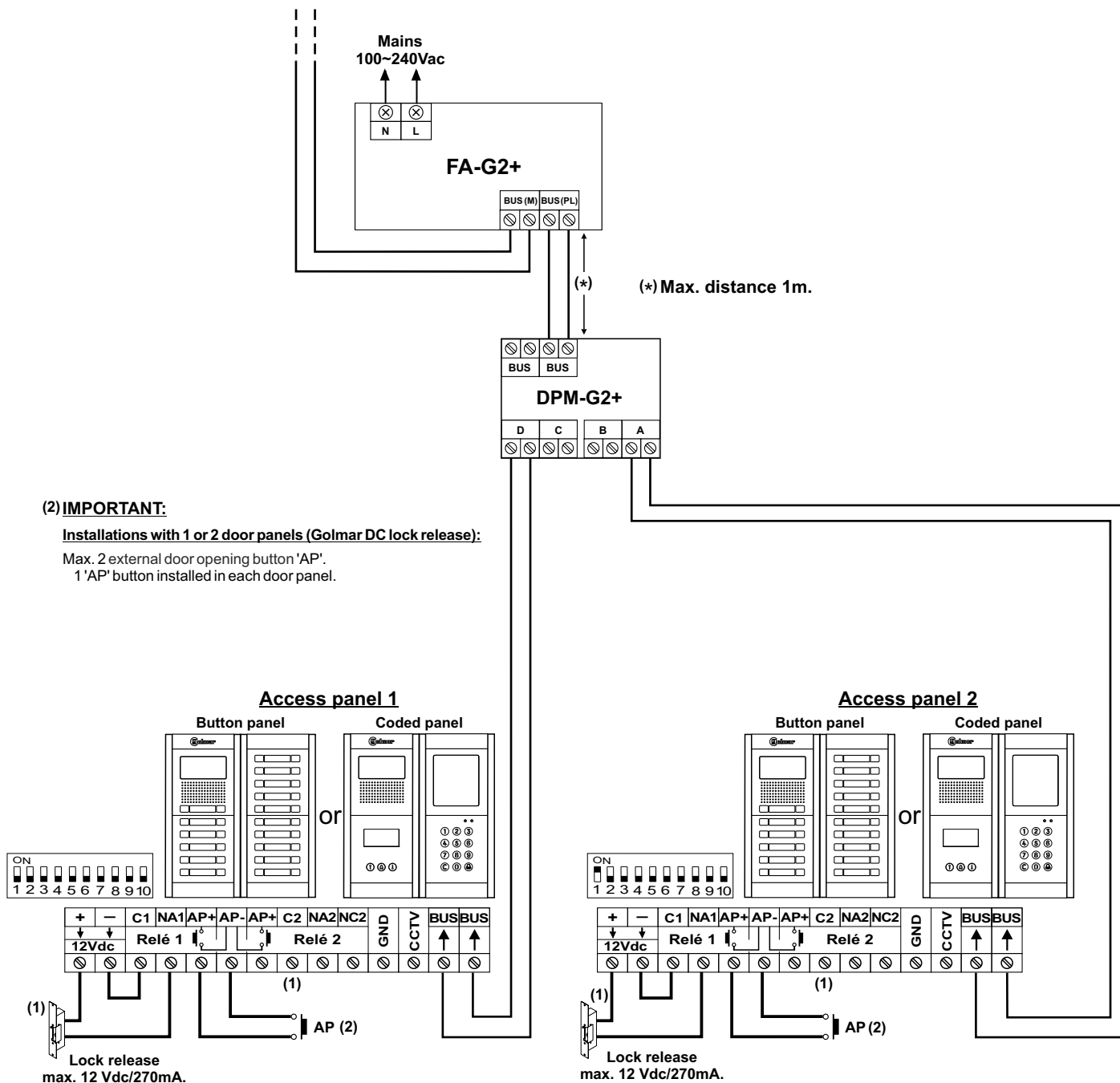
Mains 230Vac

WIRING DIAGRAMS

Audio and video door entry system with 2 door panels, DPM-G2+ distributor for door panels and Golmar DC lock release.

To first RD-G2+ (1) of the building/installation (see pages 27, 29 to 35).

To first distributor of the building/installation (see page 28).



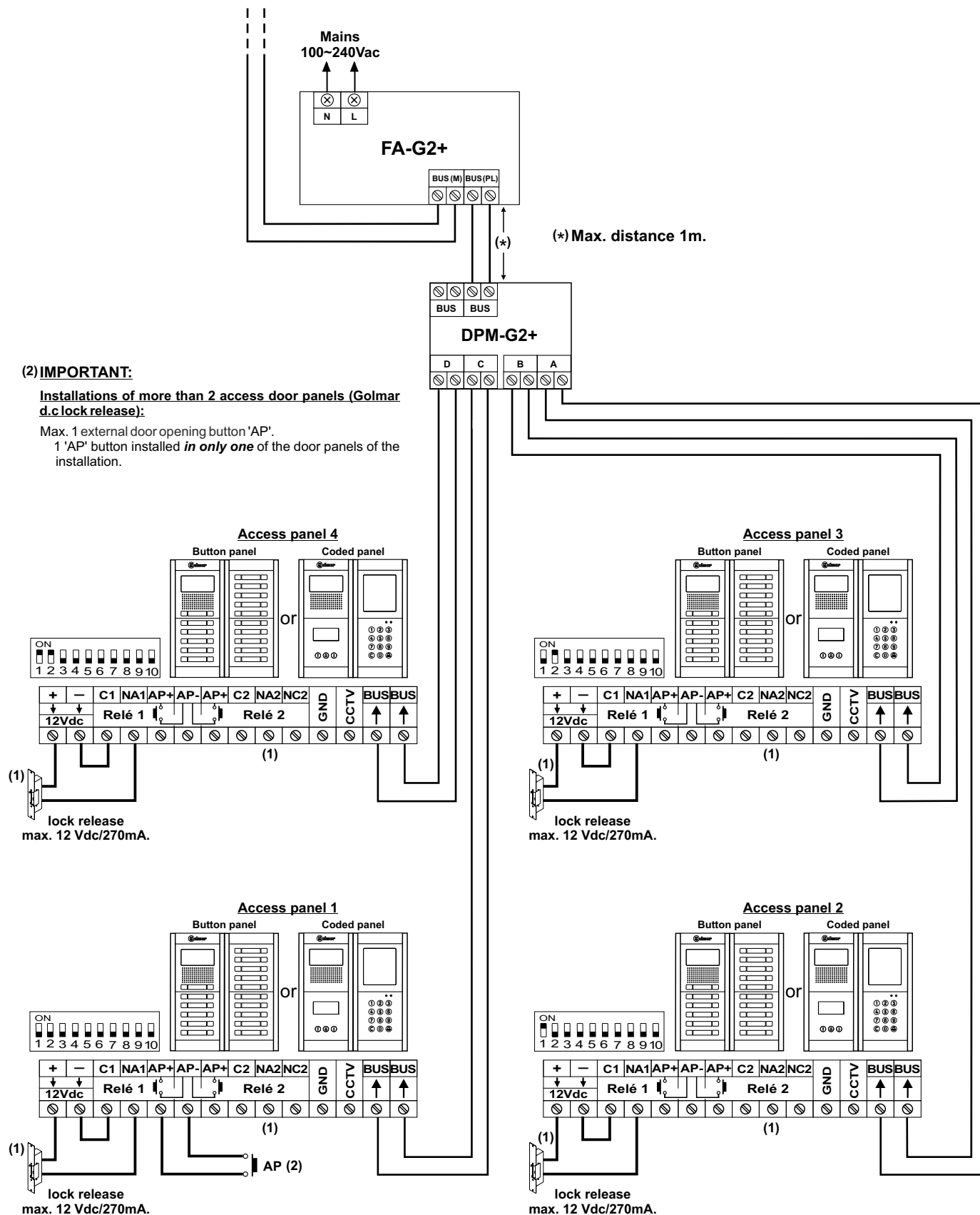
(1) Important: For a second a.c lock release connection or a second lock release, (see page 39).

WIRING DIAGRAMS

Audio and video door entry system with 4 door panels, DPM-G2+ distributor for door panels and Golmar DC lock release.

To first RD-G2+ (1) of the building/installation (see pages 27, 29 to 35).

To first distributor of the building/installation (see page 28).



(1) Important: For a second a.c lock release connection or a second lock release, (see page 39).

Connection of Golmar d.c. and a.c. lock releases.

Access panel



Access panel



Access panel





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