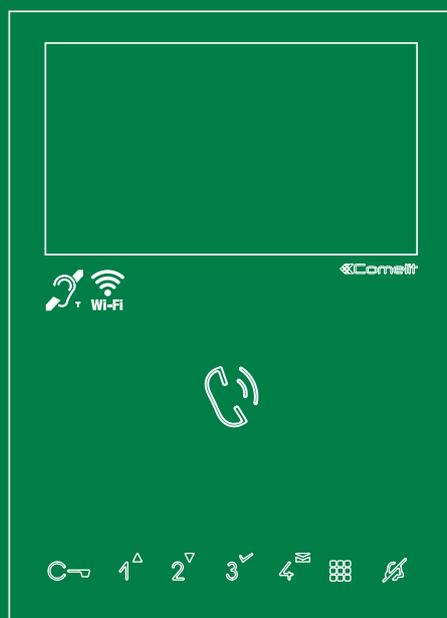


EN

TECHNICAL
MANUAL



Mini Hands-free door entry monitor
Art. 6741W - Art. 6741W/BM

 **Comelit**[®]
Passion. Technology. Design.

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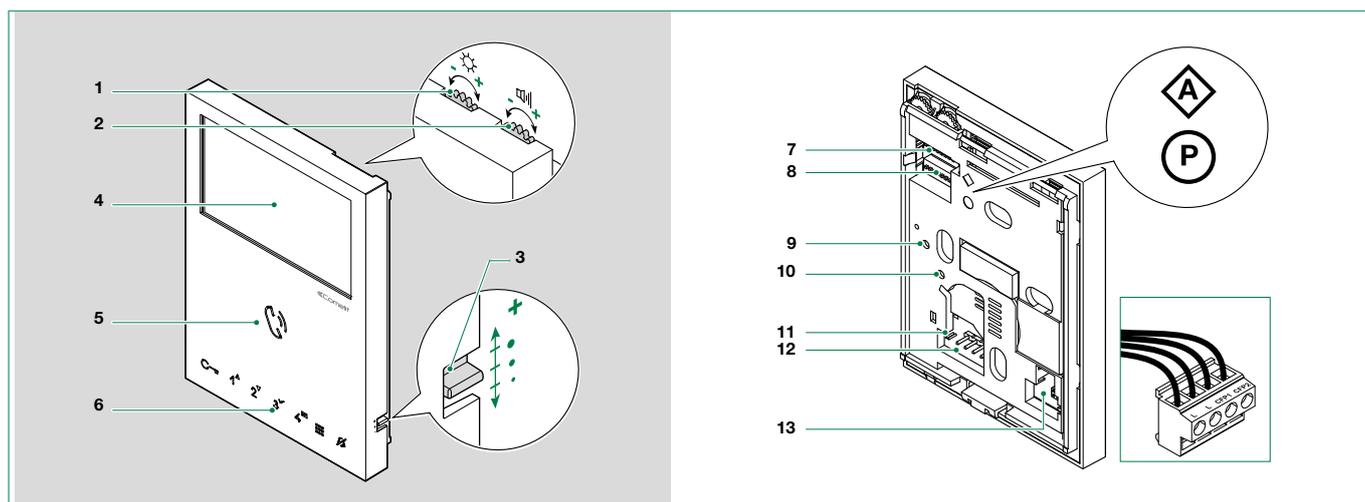
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Description

Monitors 6741W and 6741W/BM are hands-free colour video internal units, for installation in 2-wire video entry phone systems and compatible only with power supply units 1209, 1210, 4888C and 4888CU.

The monitor, used in conjunction with the COMELIT app, makes it possible to answer calls directly from your smartphone/tablet, whether you are at home or away.

The 6741W/BM monitor includes a magnetic induction amplification system as standard. Backplate art. 6710 is *not supplied*, and is available to purchase separately.



1. Brightness control
 - ▶ To increase the value, turn clockwise
 2. Loudspeaker volume control
 - ▶ To increase the value, turn clockwise
 3. Call volume adjustment (high - medium - low)
 4. 4.3" LCD colour screen
 5. Speaker and audio activation button
 6. Touch-sensitive buttons
 7. **S1** ⬠ Microswitches for setting the user code (see ["Addressing table"](#))
 8. **S2** Ⓟ Microswitches for programming buttons and functions
 - DIP 1-2-3-4** for button function programming
 - DIP 5-6** access to programming
 - DIP 7** for power supply voltage management (Paragraph ["Power management"](#)) default = OFF
 - DIP 8** (*not used*)
 - 9.10. Factory setting - DO NOT CHANGE!
 11. **CV 5** Jumper for video closure
 12. Pin for securing terminal block
 13. **S3** Microswitches:
 - DIP 1** to set the correct operating mode (Paragraph ["Building mode, Kit mode"](#))
 - DIP 2** (*not used*)
- Terminal block for system connection:**
- LL** BUS line connection terminals
 - CFP1 CFP2** Outside door call input

Technical characteristics

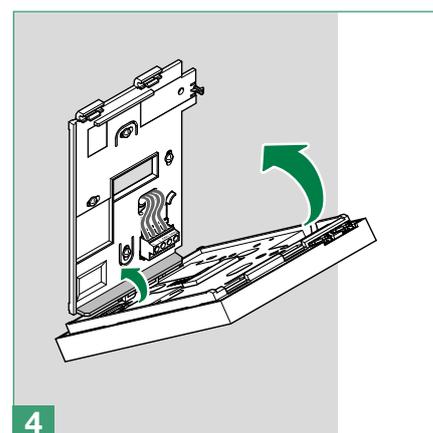
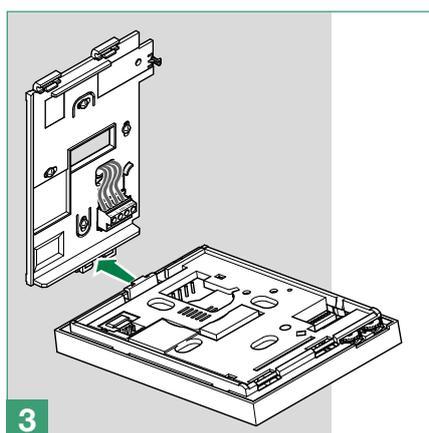
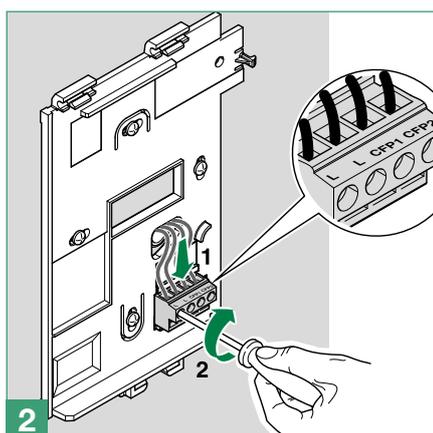
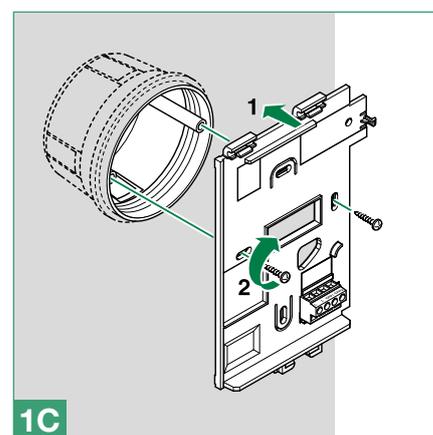
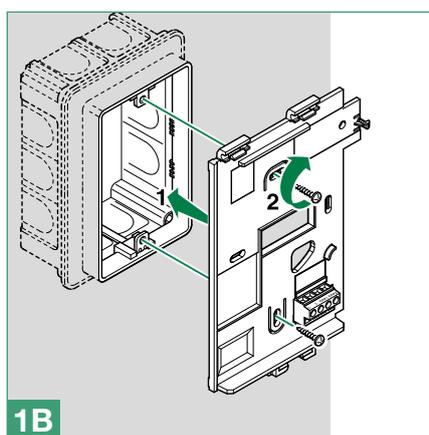
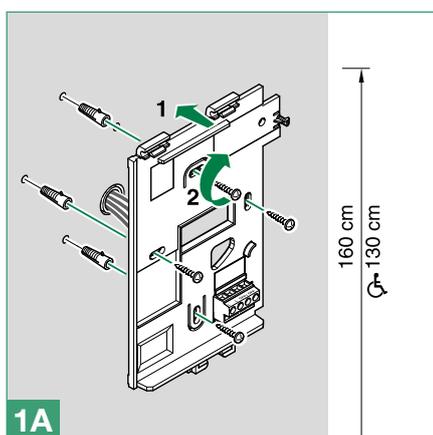
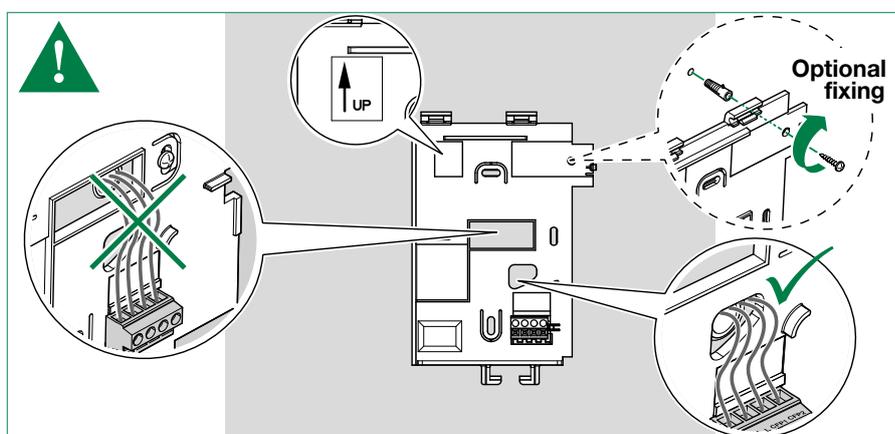
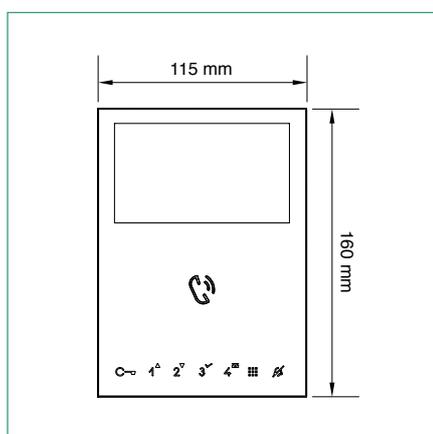
MAIN FEATURES	6741W	6741W/BM
<i>Building Kit</i> audio/video system	Yes	Yes
<i>SimpleBus Top</i> audio/video system	Yes	Yes
<i>Audio/Video Kit</i>	Yes	Yes
Surface-mounted	Yes	Yes
Backplate supplied	Yes	No
Desk base-mounted	Yes	Yes
Hands-free	Yes	Yes
Induction loop	No	Yes
Display	LCD	LCD
Display size (inches)	4.3" 16:9	4.3" 16:9
OSD display	Yes	Yes
Display resolution (H x V)	480 x 272 pixel	480 x 272 pixel
B/W or colour display	Colour	Colour
Product colour	White	White
Sensitive Touch technology	Yes	Yes
Number of buttons as standard	8	8
LED indication (n)	4	4
Backlighting colour	White	White
Wi-Fi	Yes	Yes
Compatible with <i>Comelit</i> app	Yes	Yes
HARDWARE CHARACTERISTICS		
Removable terminals	Yes	Yes
ADJUSTMENTS		
Loudspeaker volume	Yes	Yes
Brightness	Yes	Yes
GENERAL DATA		
Product height (mm)	160	160
Product width (mm)	115	115
Product depth (mm)	22	22
TECHNICAL CHARACTERISTICS		
Power supply voltage	22-34 Vdc	22-34 Vdc
Absorption in standby (mA)	3-3,5 (Building mode) 45-70 (Kit mode)	3-3,5 (Building mode) 45-70 (Kit mode)
Absorption during call (mA)	150-180	150-180
Absorption during communication (mA)	250-300	250-300
IP rating	30	30
Operating temperature (°C)	+ 5/+40	+ 5/+40
Video encoding	PAL/NTSC	PAL/NTSC
Terminals	L L CFP1 CFP2	L L CFP1 CFP2
Network connection	WLan	WLan
Video resolution (H x V)	480 x 272	480 x 272

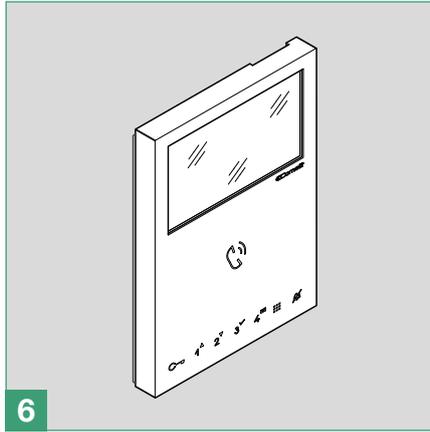
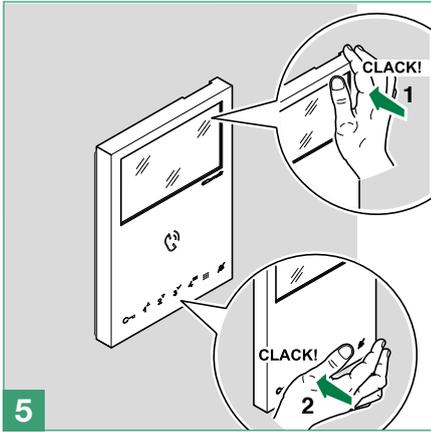
Installation



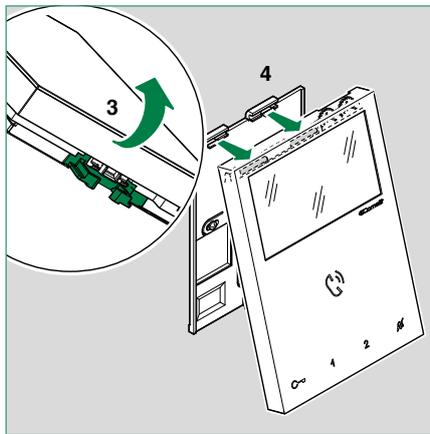
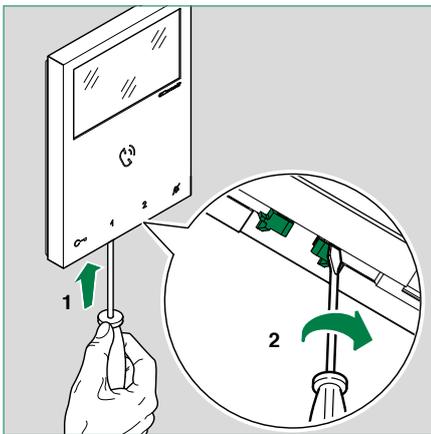
Before definitive installation of the monitors, make sure the device has good Wi-Fi signal reception; the distance between the router and monitors, and the construction materials used in the walls are factors that can affect signal quality.

The Wi-Fi signal is not strong enough to guarantee correct operation. A Wi-Fi repeater must be installed between the router and monitor in order to boost the Wi-Fi signal received by the monitor.

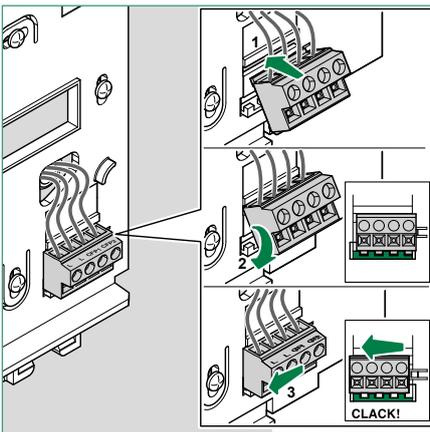
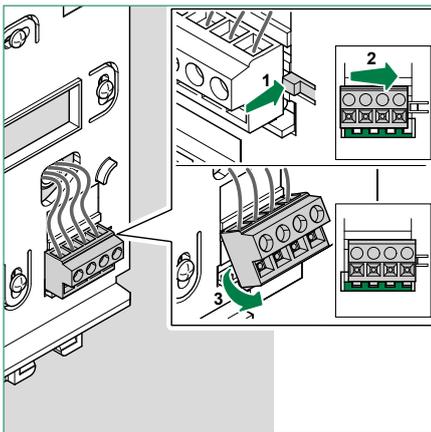




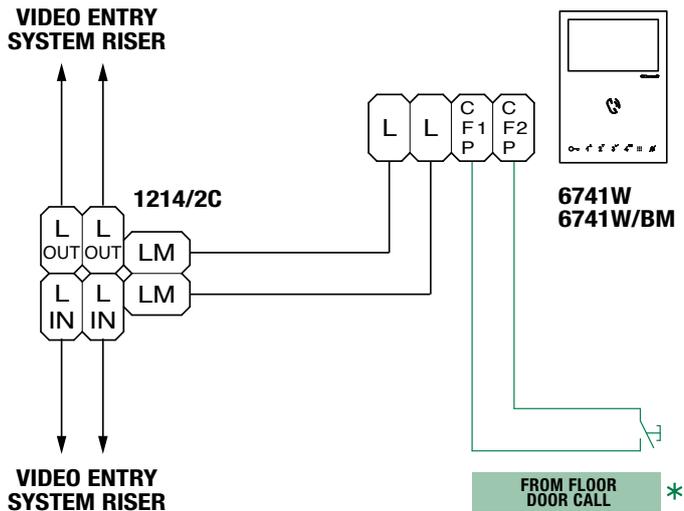
Removing the monitor



Removing/Fitting the terminal



Connections



* **20 m MAX** - Use shielded cable for the connection and do not route the cables in the vicinity of heavy inductive loads or power supply cables (230V/400V).

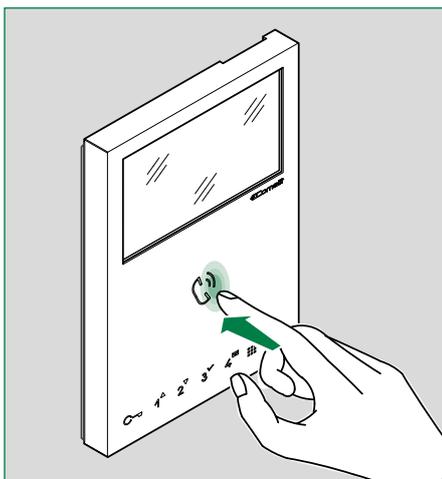
Where multiple door-entry phones or monitor backplates have the same user code, connect the CFP button on one only; all the devices will ring simultaneously.

Operation

Once connected to the power supply, the LEDs for monitor 6741W (/BM) will flash: wait for them to turn off (approx. 40 seconds) before starting to use the device.

Answering an incoming call

Press the touch-sensitive audio activation button  to answer the incoming call.



Activation/deactivation of *Hands-free* function

- ▶ Long press (5 sec) the button 
 - » ACTIVATION:  +  LED STEADY ON
 - » DEACTIVATION:  +  LED OFF

Touch buttons

Description

- ▶ Press the desired button once to activate the function associated with it.



Wait for approx. 1 sec. before pressing the same button again; rapidly pressing the same button repeatedly will cancel the command which has just been sent.

	Audio activation	
	Door opener control	[programmable]
1	Actuator	[programmable]
2	** Self-ignition	[programmable]
3	Secondary Switchboard	[programmable]
4	** Doctor mode <i>Automatic door opening on receipt of call from external unit.</i>	[programmable]
	Menu	[not programmable]
	Privacy mode. <i>The ringtone will be silenced on receipt of a call from the external unit and from the switchboard..</i>	[not programmable]
	Arrow keys	
	Confirm selection	
	Message menu	

** Long press on key to enable / disable the function.

Indicator LED

	Audio	FLASHING LED STEADY LED in call STEADY LED in standby	<i>Incoming call In communication Hands-free function enabled</i>
	Lock-release	FLASHING LED FLASHING LED (slow) 1 FLASH	<i>Incoming call Door open indication Door opening confirmation</i>
	Privacy mode	STEADY LED STEADY AND FLASHING LED (3 every 5 sec) OFF AND FLASHING LED (3 every 5 sec) 4 FLASHES	<i>Privacy mode active Doctor and Privacy mode active Doctor mode active The called device is busy</i>
	Menu	FLASHING LED	<i>User notification present</i>

Configuration

Building mode, Kit mode

For correct configuration, set DIP 1 of **S3** (on/off) as follows:

- **BUILDING Mode:** (S3) DIP 1= **OFF**

✓ BUILDING mode must be set in systems powered by 4888C / 4888CU, while for systems powered by 1210, set BUILDING mode when the number of 6741W (/BM) monitors is greater than 10.

In this mode you can answer video entry phone calls at home and away from your smartphone/tablet.

- **Kit Mode:** (S3) DIP 1= **ON**

✓ KIT mode is permitted in systems powered by 1210 with 10 **or fewer** internal units, and in systems powered by 1209 with 4 **or fewer** 6741W (/BM) units.

In this mode you can answer video entry phone calls at home and away from your smartphone/tablet, but also implement self-ignition and control actuators.

QTY	art. 4888C / 4888CU	art. 1210	art. 1209
art. 6741W (/BM) < 10			
art. 6741W (/BM) > 10			-

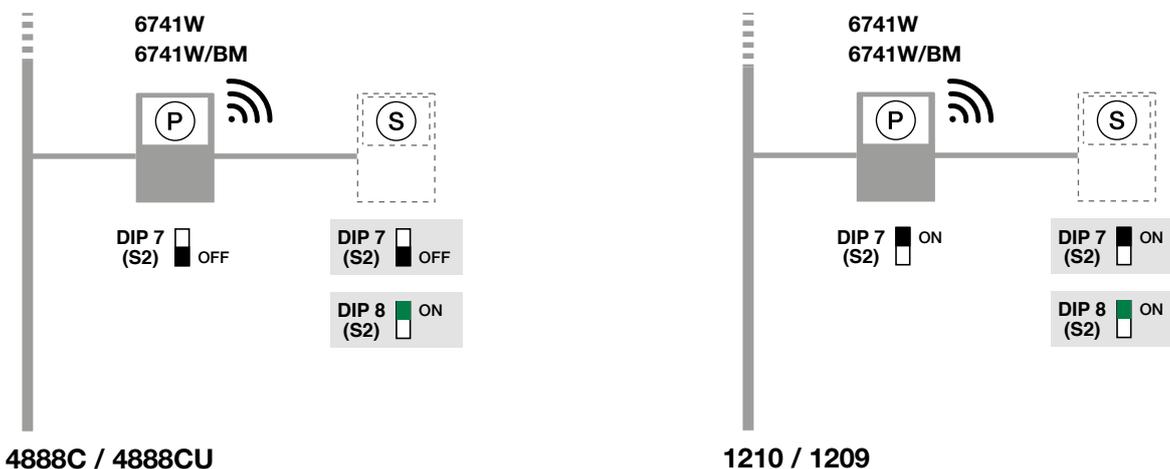
Power management

For correct power supply management, main monitor (P) and secondary monitor (S) **DIP 7** of **S2** should be set in accordance with the table (see below) and in accordance with the type of system and its configuration:

art. 4888C / 4888CU	art. 1210	art. 1209

N.B.

A single 6741W monitor can be installed for each user code; this will also be the only main monitor.



Addressing table

See [“Addressing table”](#)

NOTES

- In BUILDING mode we recommend choosing user codes with free lower values.
- Code *240 is reserved for the porter switchboard.

Programmable buttons

Legend

	Audio
	Lock-release
ACT	Actuator
AI	Self-ignition
CAMG	Remote camera module with generic address
CAM1	Remote camera module with address 220
CAM2	Remote camera module with address 221
CCP	Call to main switchboard
CCS	Call to secondary switchboard
INT	General or selective programmable intercom. <i>Default: single-family call</i>
INTb	General or selective programmable intercom. <i>Default: two-family call</i>
K	Caretaker door-entry phone call
D	Doctor
PAN	Panic
NULL	No function
PROG.	Programmed functions, see “Advanced configuration”. In this DIP-switch setting, the buttons control the programmed functions; the NON-programmed buttons control the functions referred to on line 0000 (default).

Basic configuration

S2				BUTTON PROGRAMMING					
DIP 1	DIP 2	DIP 3	DIP 4			1	2	3	4
0	0	0	0	Audio	Lock-release	ACT	AI	CCS	D
1	0	0	0			CCS	AI	INT	INTb
0	1	0	0			INT	AI	INTb	ACT
1	1	0	0			ACT	CCS	CCP	PAN
0	0	1	0		ACT	ACT	ACT	ACT	
1	0	1	0		Lock-release	INT	ACT	CCS	CCP
0	1	1	0			AI	D	K	CCS
1	1	1	0			INTb	INT	AI	INT
0	0	0	1			CCS	PAN	D	AI
1	0	0	1			K	CCS	PAN	CCP
0	1	0	1			CCP	K	PAN	ACT
1	1	0	1			AI	CAMG	CAM1	CAM2
0	0	1	1			INTb	AI	INT	ACT
1	0	1	1		INT	INT	INT	INT	
0	1	1	1		NULL				
1	1	1	1		PROG.				

* Default

Advanced configuration

If the default settings (table [“Basic configuration”](#)) do not reflect requirements, the buttons can be programmed differently by carrying out the steps below.

After programming, set S2 DIP switches 1-2-3-4 to the combination 1111 (PROG setting). With these DIP-switch settings, the buttons control the programmed functions.

i The NON-programmed buttons control the basic configuration functions 0000 (see [“Basic configuration”](#)). To restore the user code setting on S1, see [“Addressing table”](#)

Intercom calls: introduction

General intercom: call from one *internal unit* to one or more *internal units* identified by the call address used by the external unit.

Selective intercom: call from an *internal unit* to one or more *internal units* identified by a dedicated address (see [table B](#)) which is different from the call address used by the external unit.

General and selective intercoms CANNOT be used together on the same riser.

Selective intercom address: programming/cancellation



Take note of the S2, S1 settings and restore on completion of programming

1)	2)	3)												
<p>Programming; set code, TABLE B</p> <p>S1</p>	<p>S2 DIP</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td></tr> </table> <p>S2</p>	1	2	3	4	5	6	0	0	0	1	1	1	
1	2	3	4	5	6									
0	0	0	1	1	1									
<p>Cancellation</p> <p>DIP ON</p> <p>S1</p>	<p>S2 DIP</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr> </table> <p>S2</p>	1	2	3	4	5	6	1	1	1	1	1	1	
1	2	3	4	5	6									
1	1	1	1	1	1									

Selective intercom addresses

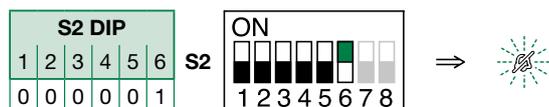
You must set the intercom address on all the riser's internal units.
You can assign the same intercom address to a maximum of 3 internal units.
For group calls, select the desired intercom codes simultaneously (max. 3).

TABLE B					
Code	DIP switch ON	S1	Code	DIP switch ON	S1
1	1		5	5	
2	2		6	6	
3	3		7	7	
4	4		8	8	

Button programming

1. To enter programming mode, set S2 **DIP switch 6** to combination 1

» the Privacy LED flashes



2. Refer to the table “**Basic configuration**” and select a combination in which the intercom function is listed for the buttons you wish to program.

Example

S2				BUTTON PROGRAMMING			
DIP 1	DIP 2	DIP 3	DIP 4	1	2	3	4
1	0	1	1	INT	INT	INT	INT

General intercom

Example programming of button 1 *single-family general intercom*, and button 2 *general intercom to address 9*, of a device with user code 5.

(Button 1 = INT) Set S2 DIP switches 1-2-3-4 to the combination **1 0 1 1**, set S1 with address 5 in accordance with the [Addressing table](#). Proceed with programming from point 3.

(Button 2 = INT) Set S2 DIP switches 1-2-3-4 to the combination **1 0 1 1**, set S1 with address 9 in accordance with the [Addressing table](#). Proceed with programming from point 3.

Selective intercom

Example programming of button 1 *selective intercom to address 2* and button 2 *selective intercom to address 3*, of a device with user code 1 and intercom address 1.

(Button 1 = INT) Set S2 DIP switches 1-2-3-4 to the combination **1 0 1 1**, set S1 with address 2 in accordance with [“TABLE B”](#). Proceed with programming from point 3.

(Button 2 = INT) Set S2 DIP switches 1-2-3-4 to the combination **1 0 1 1**, set S1 with address 3 in accordance with [“TABLE B”](#). Proceed with programming from point 3.

The NON-programmed buttons control the basic configuration functions 0000.

3. Press and release the button to be associated with the function

- » *Correct procedure indication:* the Lock release LED flashes for a few seconds and a confirmation tone sounds
- » *Procedure error indication:* the Audio LED flashes for few seconds and an error tone sounds

4. To exit programming mode, set S2 **DIP switch 6** to the combination 0

» the Privacy LED switches off

5. After programming, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see the [Addressing table](#).

Direct programming

Allows direct programming of intercom call via the internal units.

✓ Requires 2 operators

Step 1: enter programming mode

Operator 1 and Operator 2 carry out the following procedures on 2 internal units:

1. Set S2 DIP switches 1-2-3-4 to the combination 1111
2. Press and hold the Privacy and Lock-release buttons for 3 sec.
 - » The internal unit emits 1 tone
 - » The Privacy LED flashes
 - » The internal unit enters audio mode

At this point the 2 operators are in communication with each other.

Step 2: intercom call programming

Operator 1:

- ▶ Press the button you want to program to call operator 2 (e.g. 2).
 - » Wait for a few seconds, until you hear the programming confirmation tone.

Operator 2:

- ▶ Press the button you want to program to call operator 1 (e.g. 1).
 - » Wait for a few seconds, until you hear the programming confirmation tone.

Operator 1/Operator 2:

- ▶ Press the Audio button
 - » The internal unit emits 1 tone

Programming of the 2 internal units is now complete.



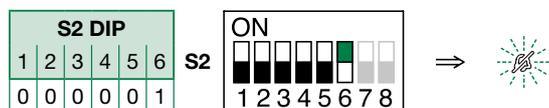
If a call is received during programming, it must be answered and the programming procedure resumed afterwards.

Generic actuator, Addressable actuator: button programming

Take note of the DIP-switch settings.

1. To enter programming mode, set S2 **DIP switch 6** to combination 1

» the Privacy LED flashes



2. Refer to the table **“Basic configuration”** and select a combination in which the actuator function (ACT) is listed for the buttons you wish to program.

Example

S2				BUTTON PROGRAMMING				
DIP 1	DIP 2	DIP 3	DIP 4	C→	1	2	3	4
0	0	1	0	ACT	ACT	ACT	ACT	ACT

Example programming of button 1 *generic actuator*, and button 2 *addressable actuator* to code 125

(Button 1 = ACT) Set S2 DIP switches 1-2-3-4 to the combination **0 0 1 0**,
Set S1 DIP-switches to the combination 11111111.

(Button 2 = ACT) Set S2 DIP switches 1-2-3-4 to the combination **0 0 1 0**, set S1 with address 125 in accordance with [addressing table](#).

The NON-programmed buttons control the functions “Basic configuration” 0000.

3. Press and release the button to be associated with the function

- » *Correct procedure indication:* the *Lock release* LED flashes for a few seconds and a confirmation tone sounds
- » *Procedure error indication:* the *Audio* LED flashes for few seconds and an error tone sounds

4. To exit programming mode, set S2 DIP switch 6 to the combination 0

» the Privacy LED switches off

5. After programming, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see the [Addressing table](#).

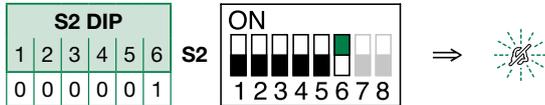
Remote camera module: button programming



Take note of the DIP-switch settings.

1. To enter programming mode, set S2 **DIP switch 6** to combination 1

» the Privacy LED flashes



2. Refer to the table **“Basic configuration”** and select a combination in which the Camera function (CAM) is listed for the buttons you wish to program.

Example

S2				BUTTON PROGRAMMING				
DIP 1	DIP 2	DIP 3	DIP 4	C↔	1	2	3	4
1	1	0	1	Lock-release	AI	CAMG	CAM1	CAM2

Example programming of button **2** Remote camera module with generic address, and button **3** Remote camera module with address 220

(Button 2 = CAMG) Set S2 DIP switches 1-2-3-4 to the combination **1 1 0 1**,
Set S1 DIP-switches to the combination 11111111.

(Button 3 = CAM1) Set S2 DIP switches 1-2-3-4 to the combination **1 1 0 1**, set S1 with address 220 in accordance with the **Addressing table**.

The NON-programmed buttons control the functions “Basic configuration” 0000.

3. Press and release the button to be associated with the function

- » *Correct procedure indication:* the Lock release LED flashes for a few seconds and a confirmation tone sounds
- » *Procedure error indication:* the Audio LED flashes for few seconds and an error tone sounds

4. To exit programming mode, set S2 DIP switch 6 to the combination 0

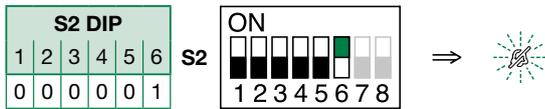
» the Privacy LED switches off

5. After programming, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see the **Addressing table**.

Other functions

1. To enter programming mode, set S2 **DIP switch 6** to combination 1

» the Privacy LED flashes



2. Refer to the table and select a combination in which the desired/necessary functions are listed for the buttons you wish to program.

S2				BUTTON PROGRAMMING			
DIP 1	DIP 2	DIP 3	DIP 4	1	2	3	4
0	0	0	0		AI	CCS	D
1	0	0	0	CCS	AI		
0	1	0	0		AI		
1	1	0	0		CCS	CCP	PAN
0	0	1	0				
1	0	1	0			CCS	CCP
0	1	1	0	AI	D	K	CCS
1	1	1	0			AI	
0	0	0	1	CCS	PAN	D	AI
1	0	0	1	K	CCS	PAN	CCP
0	1	0	1	CCP	K	PAN	
1	1	0	1	AI	CAMG	CAM1	CAM2
0	0	1	1		AI		
1	0	1	1				
0	1	1	1				
NULL							

Example programming of button 1 *Call to secondary switchboard* and button 2 *Panic*.

(Button 1 = CCS, Button 2 = PAN) Set S2 DIP switches 1-2-3-4 to the combination **0 0 0 1**.

The NON-programmed buttons control the functions “Basic configuration” 0000.

3. Press and release the buttons to which you wish to assign the functions

» *Correct procedure indication:* the Lock release LED flashes for a few seconds and a confirmation tone sounds

» *Procedure error indication:* the Audio LED flashes for few seconds and an error tone sounds

4. To exit programming mode, set S2 DIP switch 6 to the combination 0

» the Privacy LED switches off

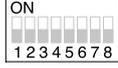
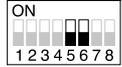
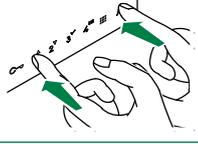
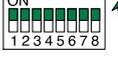
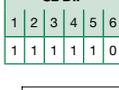
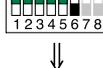
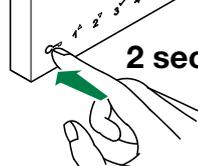
5. After programming, set S2 DIP switches 1-2-3-4 to the combination 1111.

Programming range



Take note of the S2, S1 settings and restore on completion of programming

Carry out steps 1 to 4

	1)	2)	3)	4)												
Range minimum address	 <p>S1</p> <p>Set code, “Addressing table”</p>	 <p>S2 DIP</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td></tr> </table>  <p>S2</p> 	1	2	3	4	5	6	0	0	0	0	1	0	 	  <p>S2</p> 
1			2	3	4	5	6									
0	0	0	0	1	0											
Range maximum address																
Enable range																
Disable range																
Deleting the range	 <p>S1</p> <p>DIP ON</p> 	 <p>S2 DIP</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>0</td></tr> </table>  <p>S2</p> 	1	2	3	4	5	6	1	1	1	1	1	0	 <p>2 sec</p>	
1	2	3	4	5	6											
1	1	1	1	1	0											

Changing monitor ringtones

- Press and hold **C** for 6 sec.
 - » a confirmation tone will sound
 - » the Privacy LED will flash to indicate "programming" mode.
- the procedure can only take place while the system is in standby; otherwise the Privacy LED will flash 4 times to inform the user that the system is engaged.
- Press and release **C**
 - Once** (1 confirmation tone is emitted) to change the ringtone for calls from the external unit.
 - Twice** (2 confirmation tones emitted) to change the switchboard call tone
 - 3 times** (3 confirmation tones are emitted) to change the ringtone for intercom calls made from the internal unit.
 - 4 times** (4 confirmation tones are emitted) to change the floor door call ringtone.

Any further presses of button **C** will repeat the sequence described above.
- Press and release **1** to scroll through the various available ringtones in sequence.
- Press **2** to confirm selection of the last ringtone heard and to exit change monitor ringtone mode.
 - » one confirmation tone is emitted
 - » the Privacy LED switches off

Repeat steps 1 to 4 to change the other ringtones.

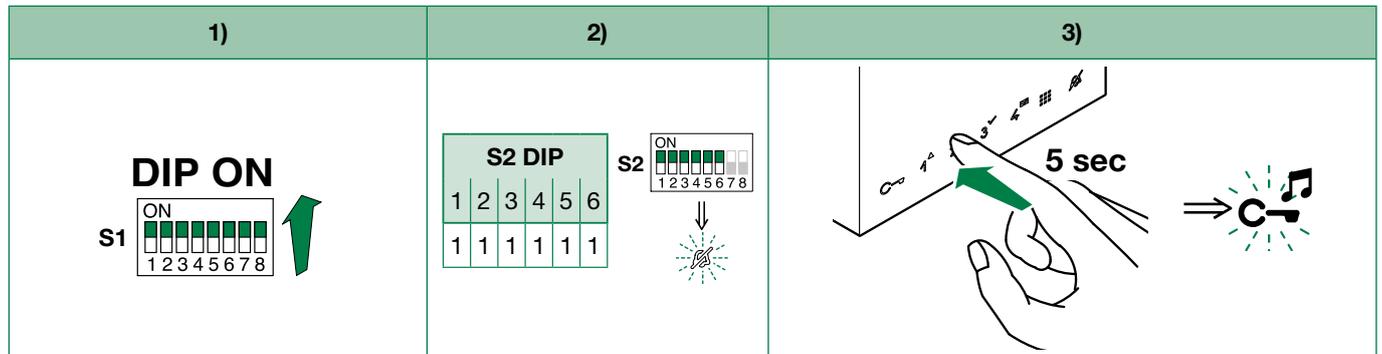
Programming reset

Factory settings:

- Button functions for the S2 DIP switches 1-2-3-4 combination;
- Intercom address absent;
- Range function and min./max. addresses absent;
- Ringtone reset.



Take note of the S2, S1 settings and restore on completion of programming



Compatible secondary monitors



6601W 6601W/BM	6700W	6701W 6701W/BM	6721W 6721W/BM	6801W 6801W/BM
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Art. 6741W (/BM) in systems powered by 4888C (/CU)

Maximum number of riser-powered main internal units with the same user code	1
Call repetition devices that can be used	1229A
Maximum number of internal units (including call repetition devices) with the same user code	4
Maximum number of internal units that can be powered from art. 4888C / 4888CU	100

Installation rules

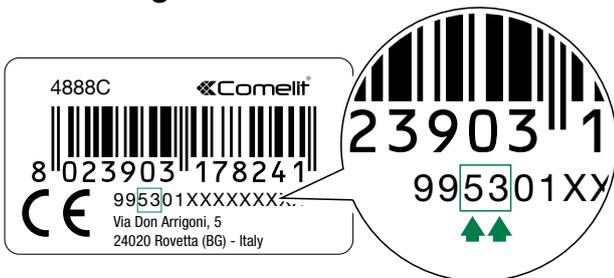
- In systems powered by 4888C (4888CU) with a revision index greater than or equal to **053 (014)**, up to 100 monitors can be installed.
- In systems powered by 4888C with a revision index between **052** and **021**, up to 50 monitors can be installed.
- Power supply units 4888C (4888CU) with a revision index prior to **021 (014)** are *not compatible* for use with 6741W (/BM), and should therefore be replaced.



Serial number.

The first 3 digits correspond to the revision index.

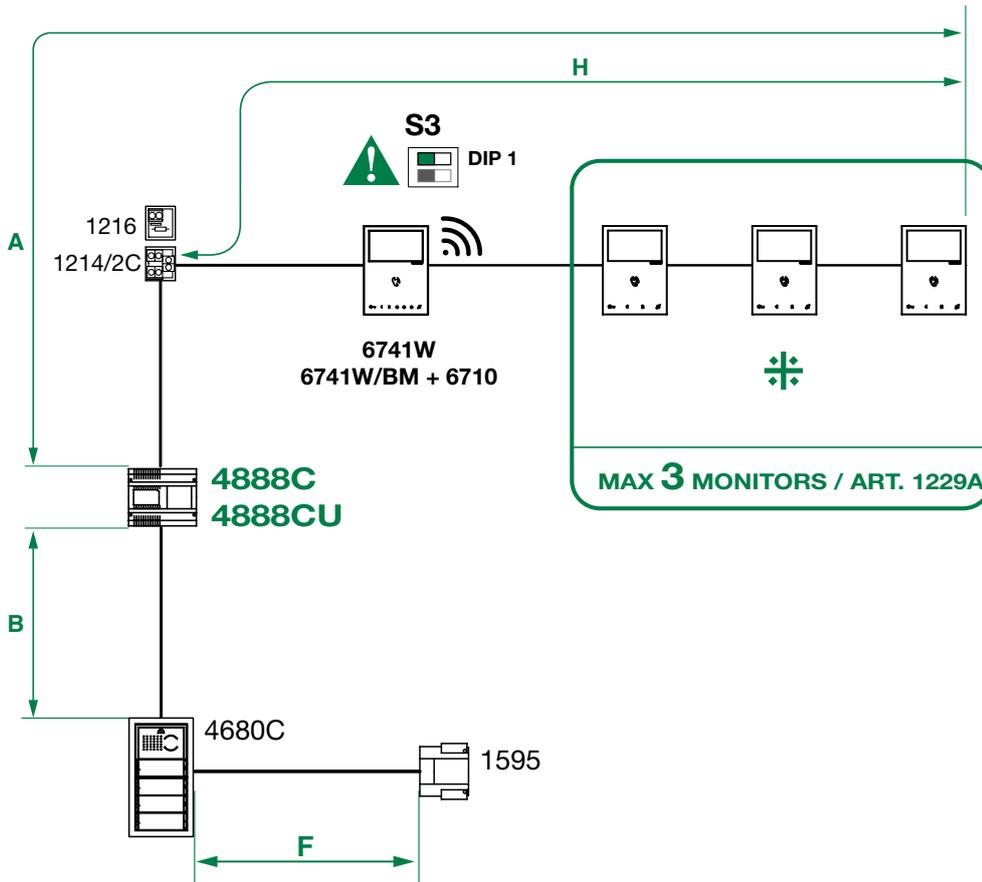
New coding from rev. 053

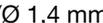


New coding.

The third and fourth digits correspond to the revision index.

Operating distances



	A max	B max	F max	H max
Comelit art. 4577/4579 1 mm ² (Ø 1.2 mm AWG 17) 	200 m (655 feet)	200 m (655 feet)	50 m (165 feet)	100 m (330 feet)
UTP5 cat. 5 0.2 mm ² (Ø 0.5 mm AWG 24) 	80 m (260 feet)	150 m (490 feet)		60 m (195 feet)
0.28 mm ² (Ø 0.6 mm AWG 23) 	100 m (330 feet)	150 m (490 feet)	5 m (15 feet)	60 m (195 feet)
0.5 mm ² (Ø 0.8 mm AWG 20) 	120 m (395 feet)	100 m (330 feet)	25 m (85 feet)	60 m (195 feet)
1 mm ² (Ø 1.2 mm AWG 17) 	120 m (395 feet)	150 m (490 feet)	50 m (165 feet)	60 m (195 feet)
1 mm ² (Ø 1,2 mm AWG 17) 	120 m (395 feet)	80 m (260 feet)	50 m (165 feet)	40 m (130 feet)
1,5 mm ² (Ø 1,4 mm AWG 15) 	150 m (490 feet)	100 m (330 feet)	75 m (245 feet)	60 m (195 feet)
2,5 mm ² (Ø 1,8 mm AWG 13) 	150 m (490 feet)	100 m (330 feet)	100 m (330 feet)	60 m (195 feet)

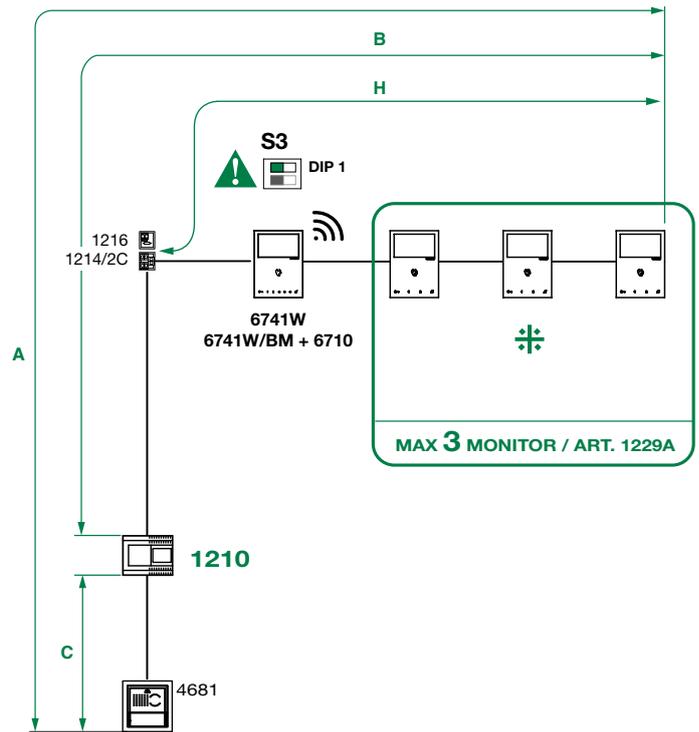
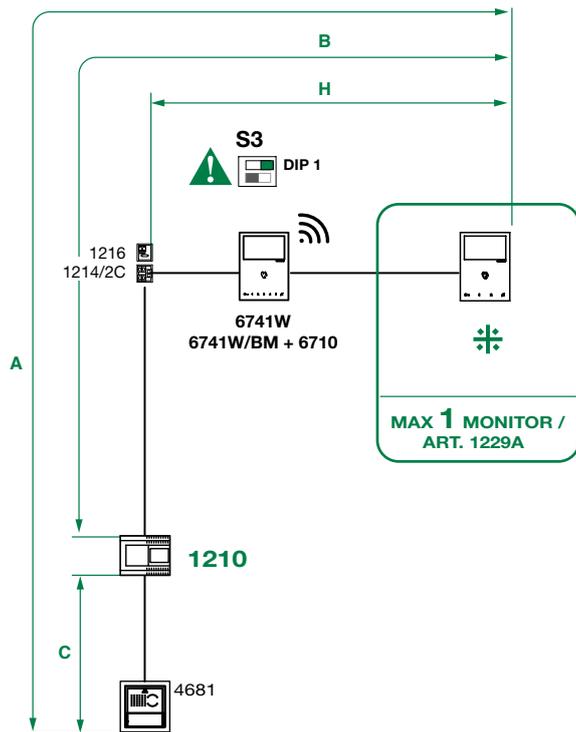
Art. 6741W (/BM) in systems powered by 1210

Max. number of riser-powered main internal units with the same user code	1
Call repetition devices that can be used	1229A
Maximum number of internal units (including call repetition devices) with the same user code	(2) 4
Maximum number of internal units that can be powered from art. 1210	100

Operating distances

KIT MODE: MAX 10 MONITORS / ART. 1229A

BUILDING MODE: MAX 100 MONITORS / ART. 1229A



	A max	B max	C max	H max
Comelit art. 4577/4579 1 mm ² (Ø 1.2 mm AWG 17)	260 (850 feet)	130 (425 feet)	130 (425 feet)	50 (164 feet)
UTP5 cat. 5 0.2 mm ² (Ø 0.5 mm AWG 24)	80 (260 feet)	40 (130 feet)	40 (130 feet)	30 (98 feet)
0.28 mm ² (Ø 0.6 mm AWG 23)	100 (328 feet)	50 (164 feet)	50 (164 feet)	30 (98 feet)
0.5 mm ² (Ø 0.8 mm AWG 20)	140 (460 feet)	70 (230 feet)	70 (230 feet)	30 (98 feet)
1 mm ² (Ø 1.2 mm AWG 17)	200 (656 feet)	100 (328 feet)	100 (328 feet)	40 (130 feet)
1.5 mm ² (Ø 1.4 mm AWG 15)	80 (260 feet)	40 (130 feet)	40 (130 feet)	30 (98 feet)
*UTP5 cat. 5 0.2 mm ² (Ø 0.5 mm AWG 24) MULTI PAIR CABLE				
	260 (850 feet)	130 (425 feet)	130 (425 feet)	50 (164 feet)

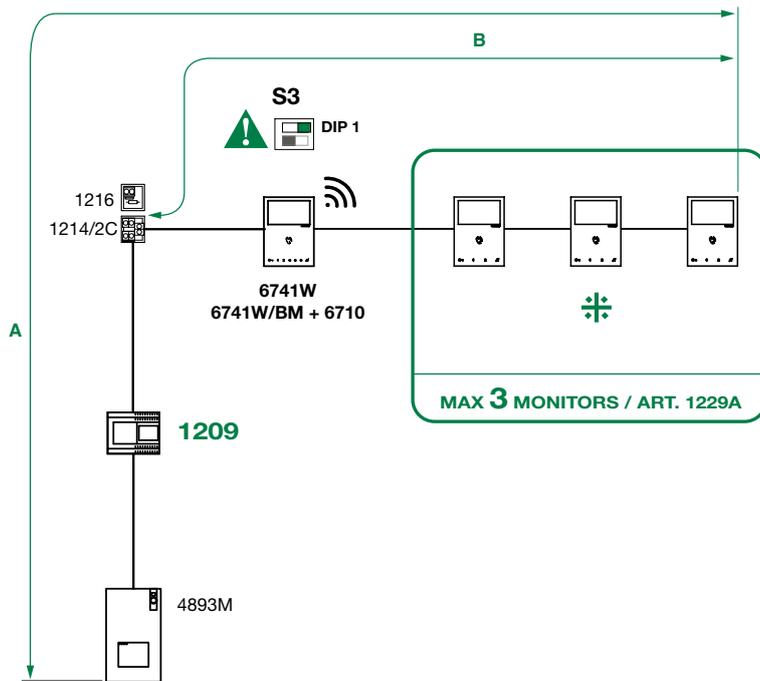


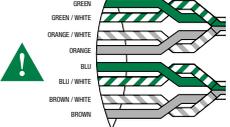
UTP cable with multi-cable connection: FOLLOW THE COLOURS SHOWN IN THE DIAGRAM!

Art. 6741W (/BM) in kit systems 8451V

Maximum number of riser-powered main internal units with the same user code	1
Call repetition devices that can be used	1229A
Maximum number of internal units (including call repetition devices) with the same user code	4
Maximum number of internal units that can be powered from art. 1209	16

Operating distances



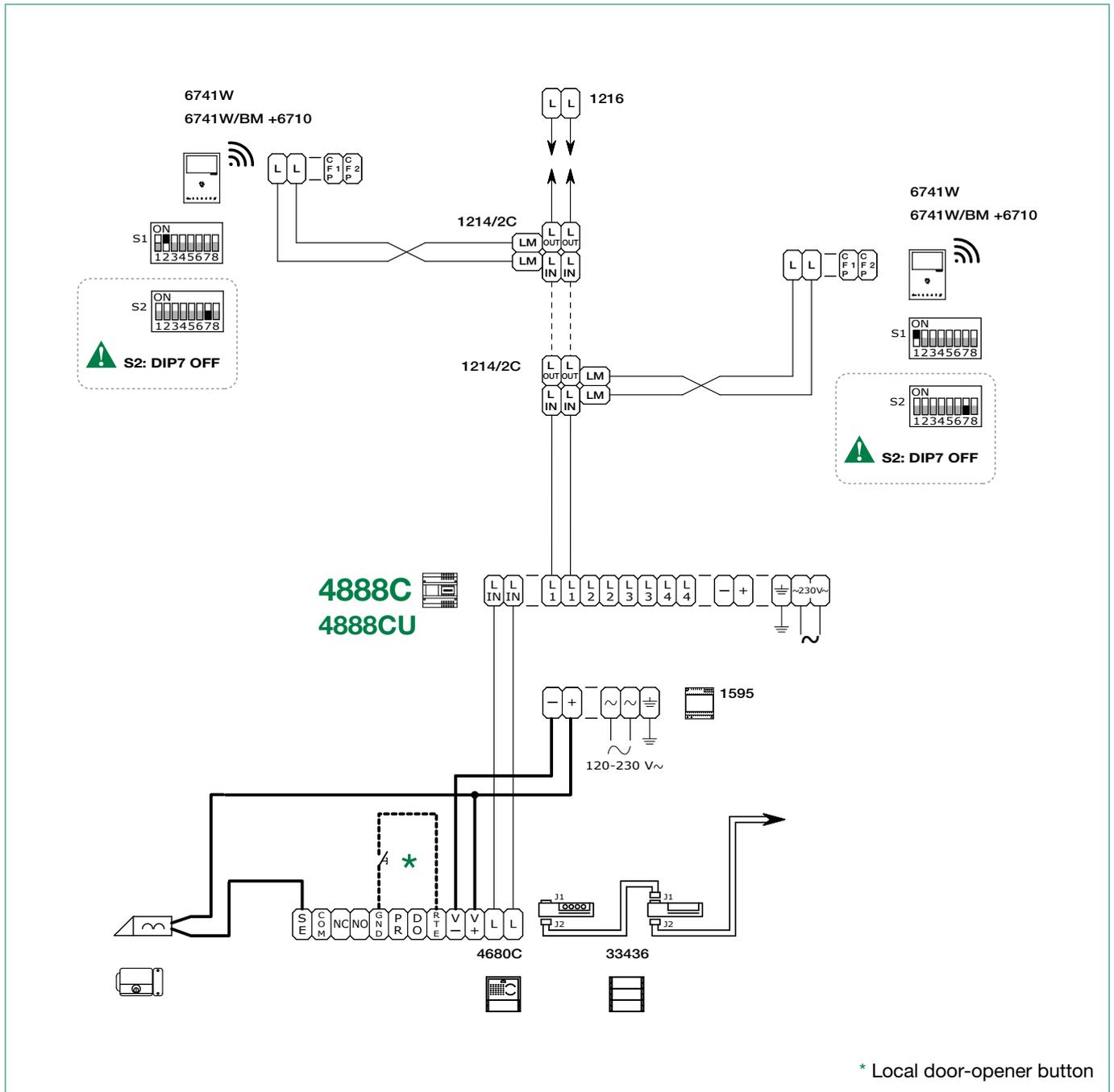
	A max	B max
Comelit Art. 4577/4579 1 mm ² (Ø 1.2 mm AWG 17) 	200 m (655 feet)	100 m (330 feet)
UTP5 cat. 5 0.2 mm ² (Ø 0.5 mm AWG 24) 	100 m (330 feet)	60 m (195 feet)
0.28 mm ² (Ø 0.6 mm AWG 23) 	100 m (330 feet)	60 m (195 feet)
0.5 mm ² (Ø 0.8 mm AWG 20) 	100 m (330 feet)	60 m (195 feet)
1 mm ² (Ø 1.2 mm AWG 17) 	100 m (330 feet)	60 m (195 feet)
1 mm ² (Ø 1.2 mm AWG 17) 	80 m (260 feet)	40 m (130 feet)
1.5 mm ² (Ø 1.4 mm AWG 15) 	100 m (330 feet)	60 m (195 feet)
*UTP5 cat. 5 0.2 mm ² (Ø 0.5 mm AWG 24) MULTI PAIR CABLE 	200 m (655 feet)	70 m (230 feet)



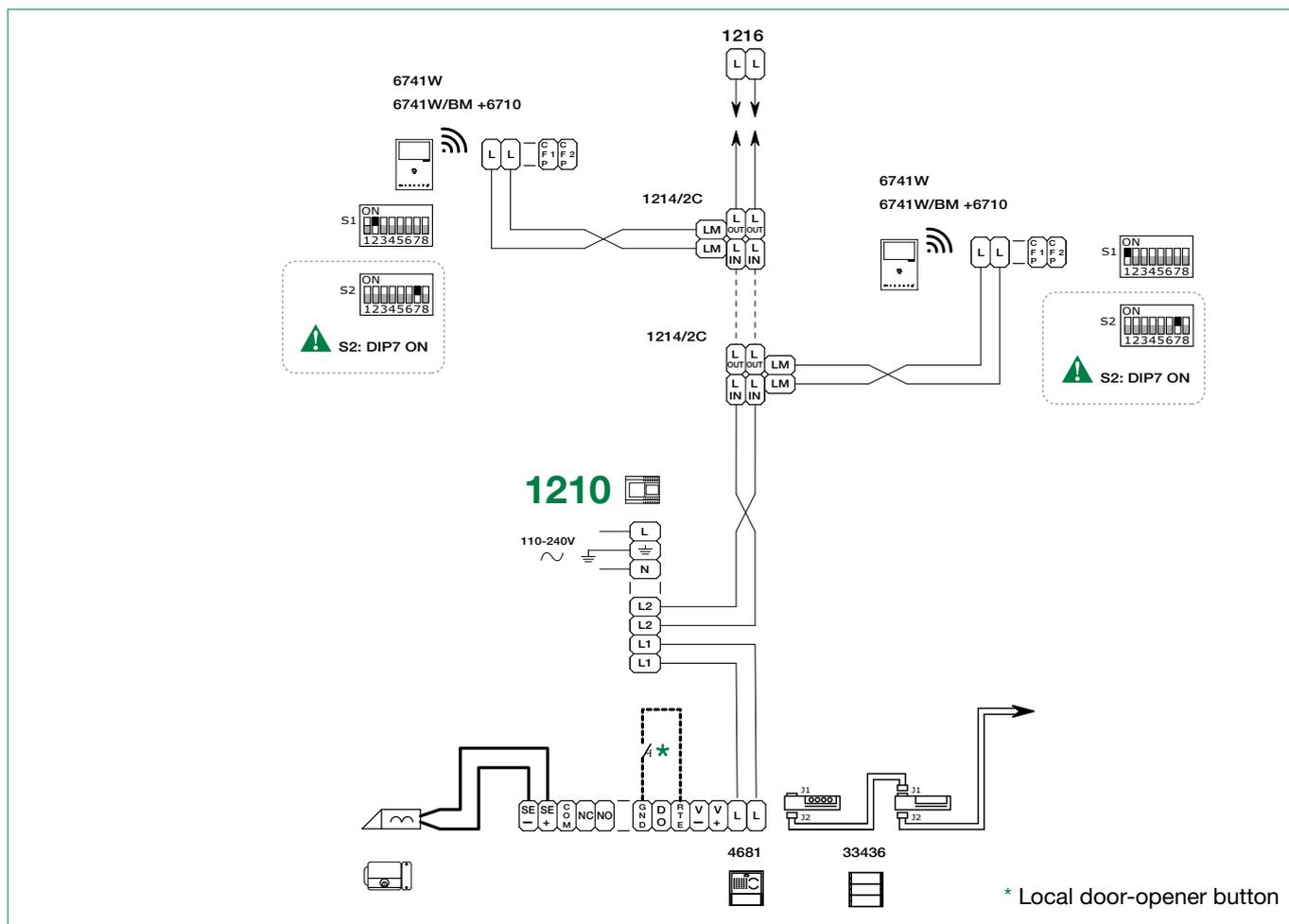
UTP cable with multi-cable connection: FOLLOW THE COLOURS SHOWN IN THE DIAGRAM!

Wiring diagrams

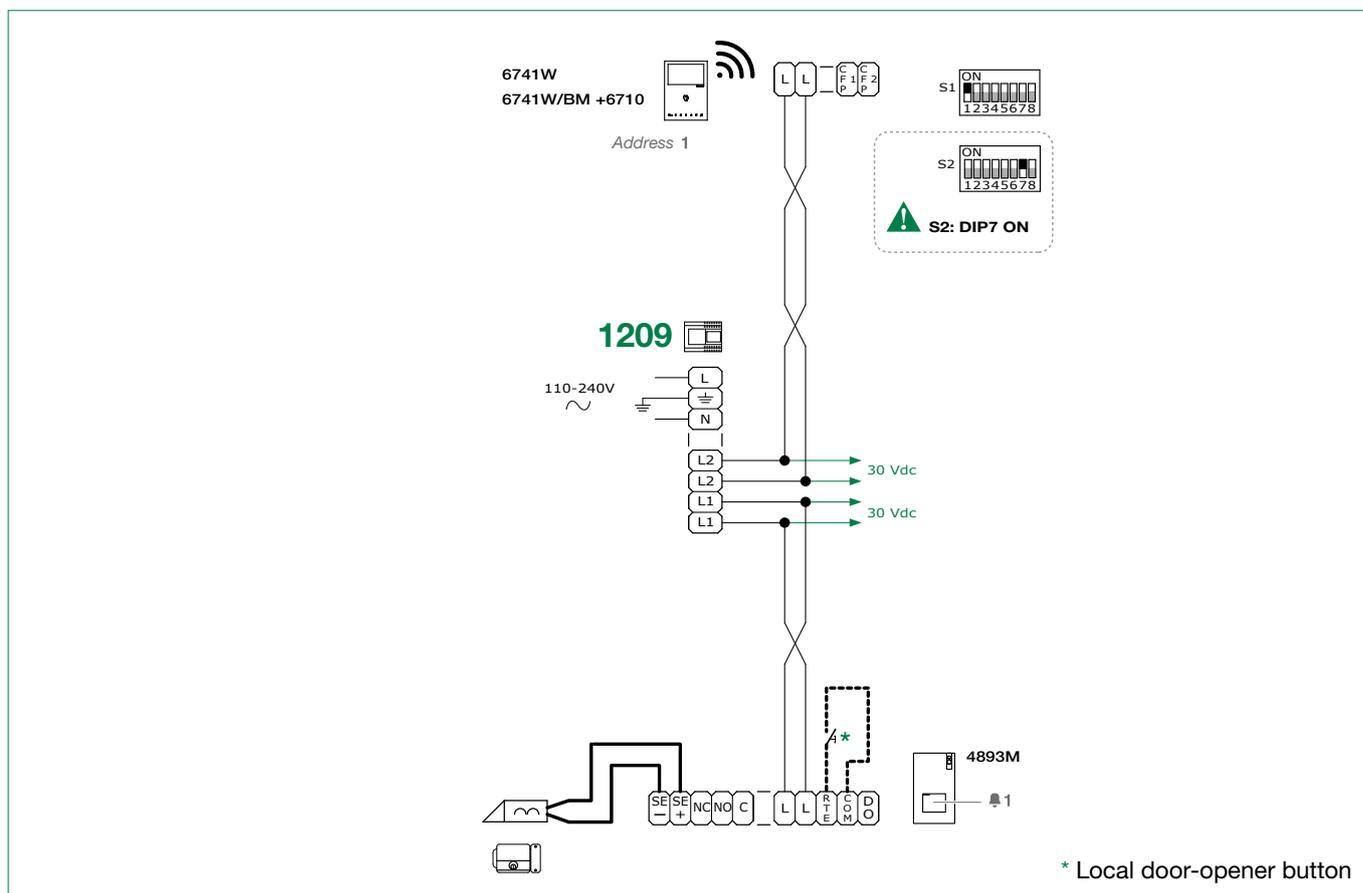
System powered by art. 4888C / 4888CU



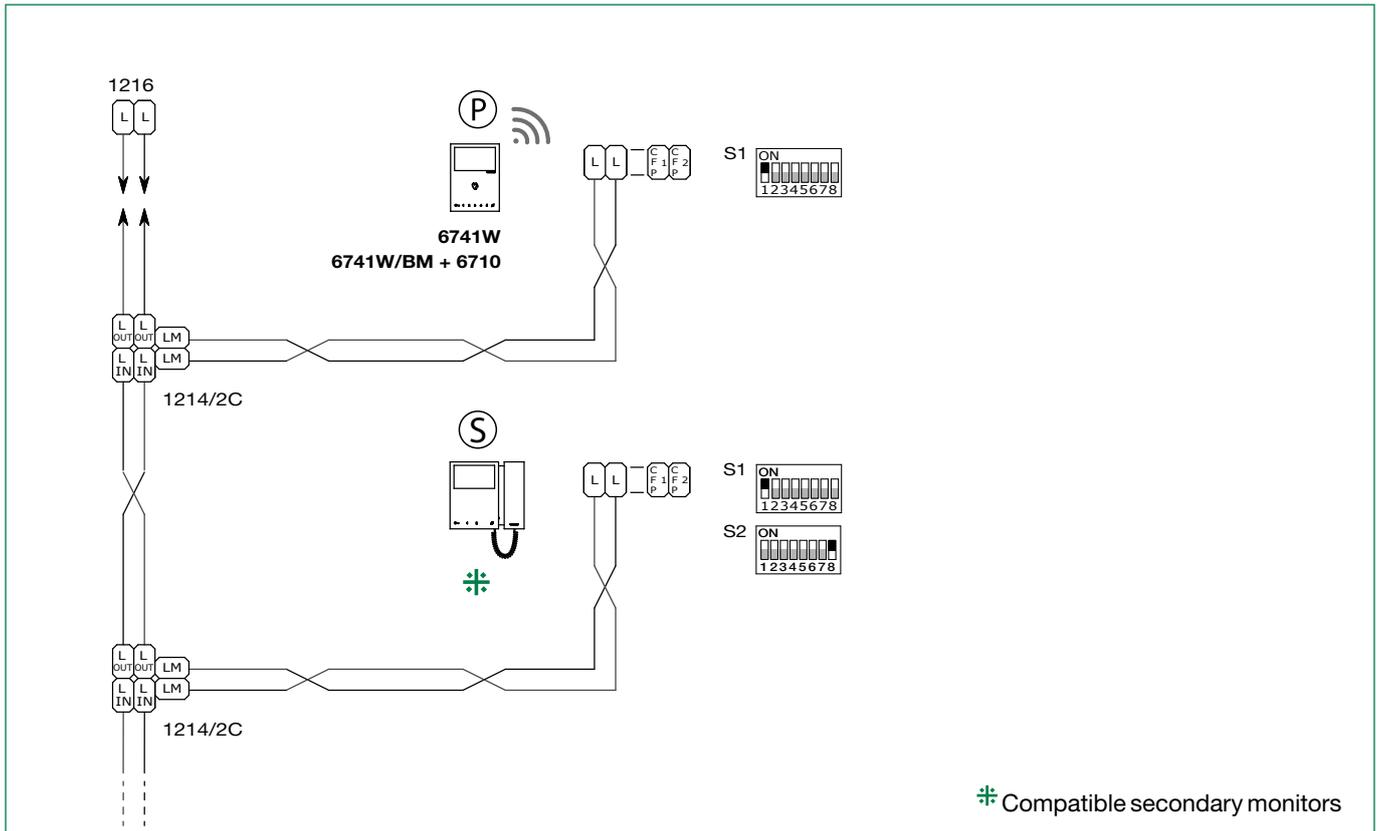
System powered by art. 1210



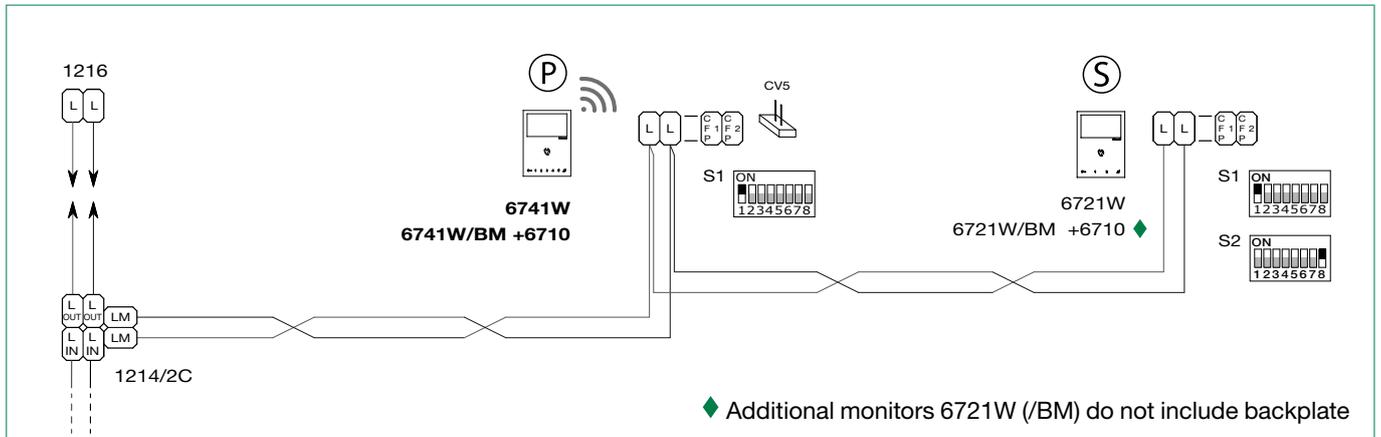
Kit 8451V: basic single-family system powered by art. 1209



Art. 6741W (/BM) and a secondary monitor in branch connection



Art. 6741W (/BM) and a 6721W (/BM) secondary monitor in cascade connection



System performance and layouts

For further information of system performance and to view installation layouts, click on the system type that best meets your requirements:

- [Building Kit audio/video system](#) for the creation of audio-video systems for *small apartment blocks*
- [SBTOP audio/video system](#) for the creation of audio-video systems for *residential complexes*.

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