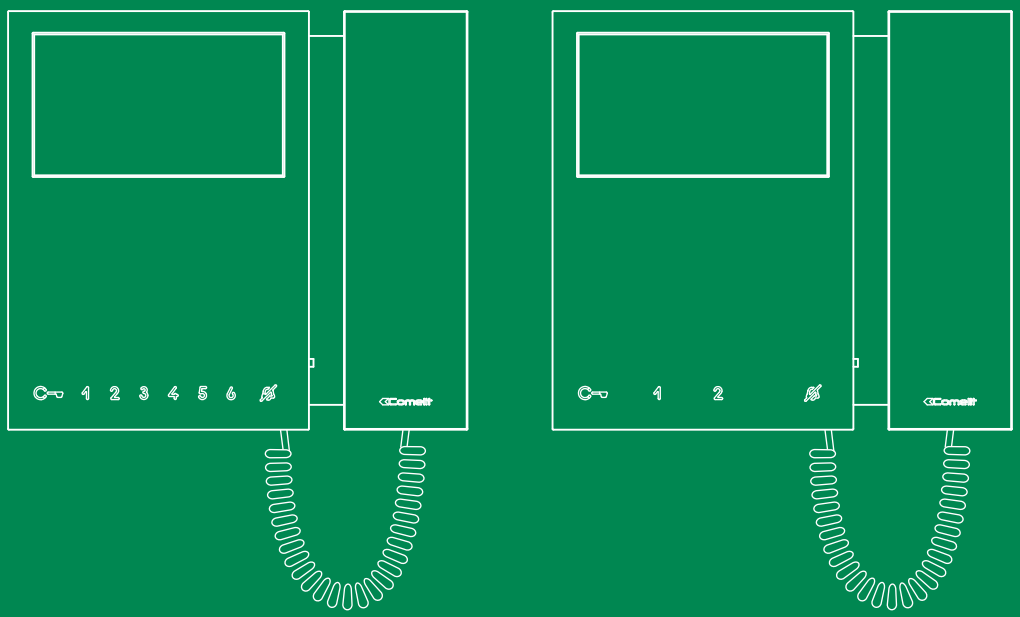
EN

TECHNICAL
MANUAL



Mini
art. 6701- art. 6700

Comelit®
Passion. Technology. Design.

Warning

Intended use

This Comelit product was designed for use in the creation of audio and video communication systems in residential, commercial or industrial settings and in public buildings or buildings used by the public.

Installation

All activities connected to the installation of Comelit products must be carried out by qualified technical personnel, with careful observation of the indications provided in the Manuals / Instruction sheets supplied with those products.

Wires

Cut off the power supply before carrying out any maintenance procedures.

Use wires with a cross-section suited to the distances involved, observing the instructions provided in the system manual.

We advise against running the system wires through the same duct as the power cables (230V or higher).

Safe usage

To ensure Comelit products are used safely:

- carefully observe the indications provided in the Manuals / Instruction sheets
- make sure the system created using Comelit products has not been tampered with / damaged.

Maintenance

Comelit products do not require maintenance aside from routine cleaning, which should be carried out in accordance with the indications provided in the Manuals / Instruction sheets.

Any repair work must be carried out

- for the products themselves, exclusively by **Comelit Group S.p.A.**,
- for systems, by qualified technical personnel.

Disclaimer

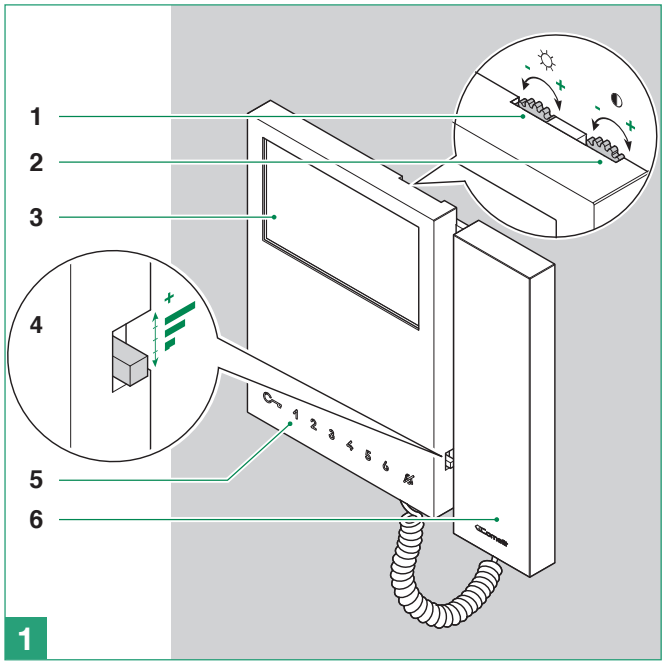
Comelit Group S.p.A. does not assume any responsibility for

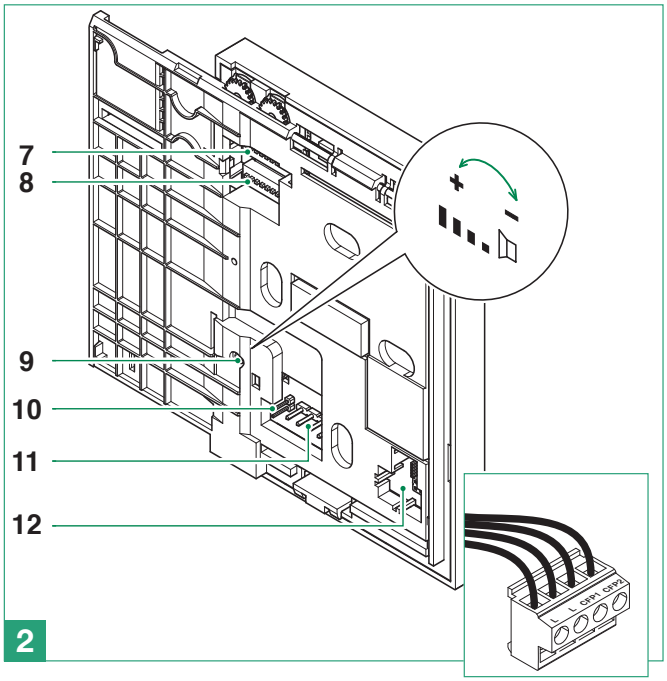
- any usage other than the intended use
- non-observance of the indications and warnings contained in this Manual / Instruction sheet.

Comelit Group S.p.A. nonetheless reserves the right to change the information provided in this Manual / Instruction sheet at any time and without prior notice.

Table of contents

Monitor description





1. Brightness control

- ▶ To increase the value, turn clockwise

2. Colour intensity adjustment for Art. 6701
Contrast adjustment for B/W monitor Art. 6700

- ▶ To increase the value, turn clockwise

3. 4.3'' LCD screen (in colour for Art. 6701, B/W for Art. 6700)

4. Call volume adjustment (high - medium - low)

5. Soft-touch keys

6. Monitor handset (lift handset to start communication)

7. S1 User code programming microswitches (see table on page. 15)

8. S2 Button and function programming microswitches (marked with a red corner)

DIP 1-2-3-4 for button function programming

DIP 5-6 access to programming

DIP 7 for power supply voltage management (see diagrams and variants on page 17), default = OFF

For systems with 2-wire KIT or Art. 1210, set DIP 7 to ON.

DIP 8:

ON secondary monitor

OFF main monitor (default)

A maximum of 1 main monitor can be set in systems with 2-WIRE KIT or Art. 1210, and 2 main monitors in systems with Art. 4888C.

9. Loudspeaker volume adjustment (for setting intercom audio only)

10. CV5 Video closing jumper

11. Pin for securing terminal block

12. Space for housing the operation accessory for keys 3 4 5 6 (standard on all black monitors, available to purchase separately for white monitors Art. 6733W)

Terminal block for system connection

LL Bus line connection terminals

CFP1 CFP2 Floor door call input

Soft-touch keys description

▶ Press the desired key once to activate the function associated with it

Wait for approximately 1 sec. before pressing the same key again. Pressing the same key several times in quick succession will cancel the command.

Lock-release key
1 Key 1 Actuator function (programmable)
2 Key 2 Self-ignition function (programmable)

Privacy key
3 4 5 6 Keys (programmable) present as standard on all black monitors (for white monitors the KIT with additional buttons Art. 6733W is available to purchase separately)

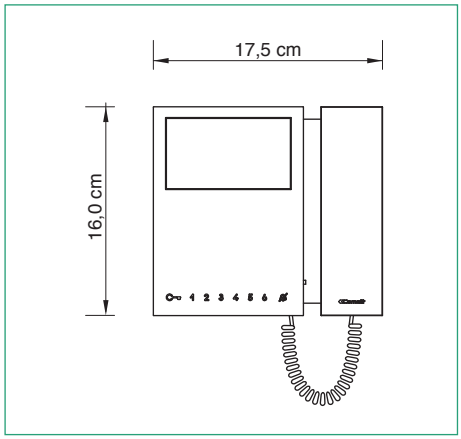
Indicator LED description

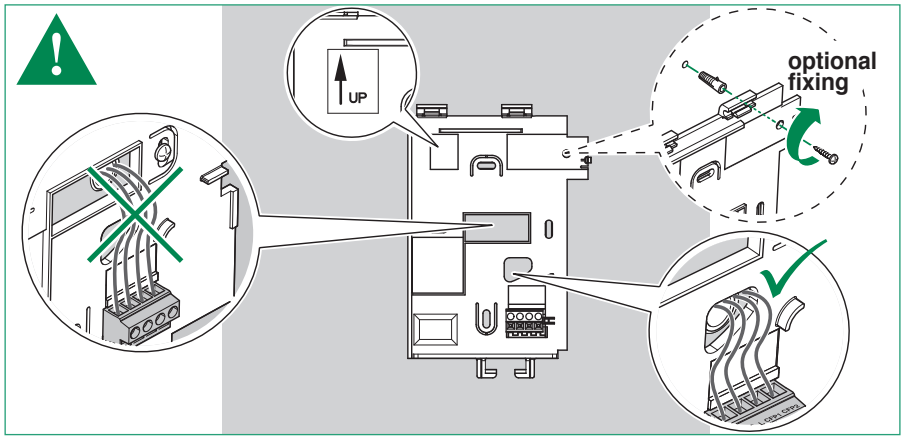
Lock-release LED
slow flashing: door open;
1 flash after pressing: door opening confirmation;
continuous flashing: call in progress.

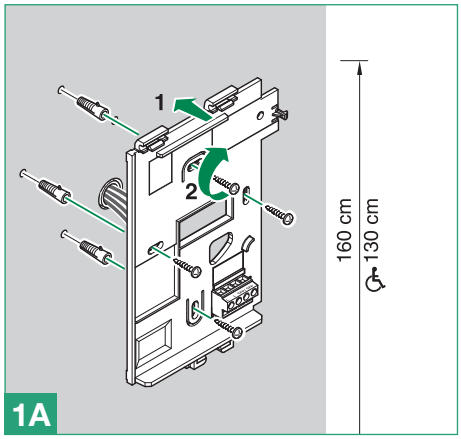
Privacy LED (red)
steady: privacy function enabled
3 flashes (every 5 sec.): doctor function enabled
continuous flashing: device in programming mode
4 flashes: system engaged

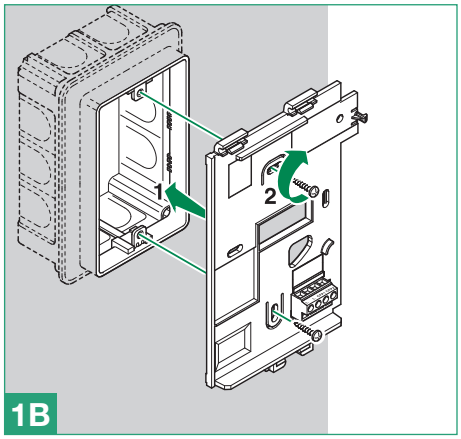
The monitor Art. 3701/6700 is designed for use in colour systems, in the SB2 section downstream of Art. 4888C, or in systems without mixer, such as the system with 2-wire KIT or Art. 1210.

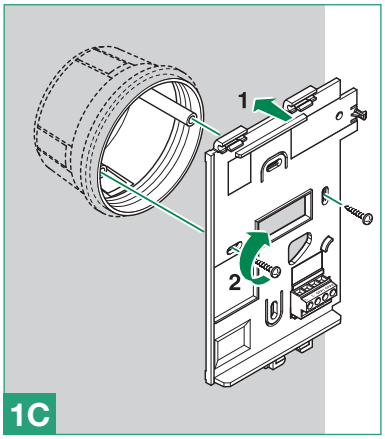
Installation

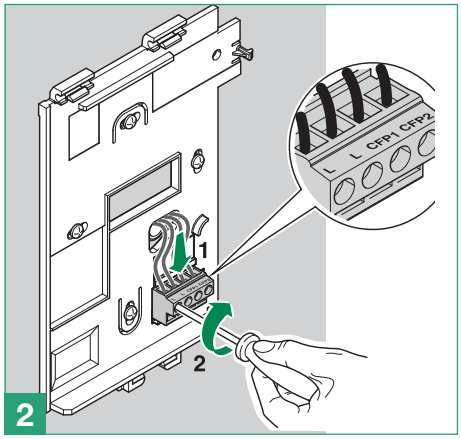


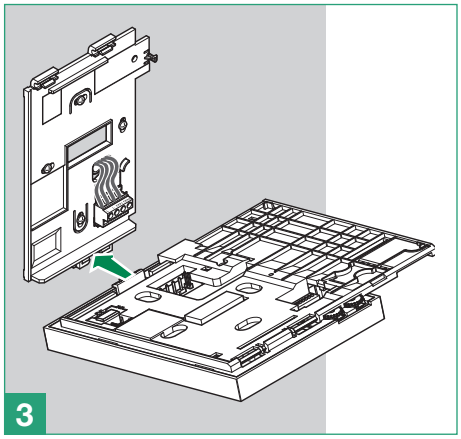


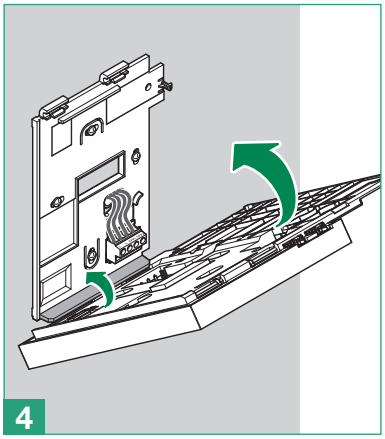


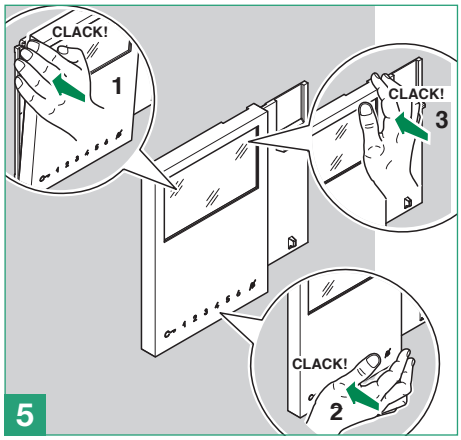


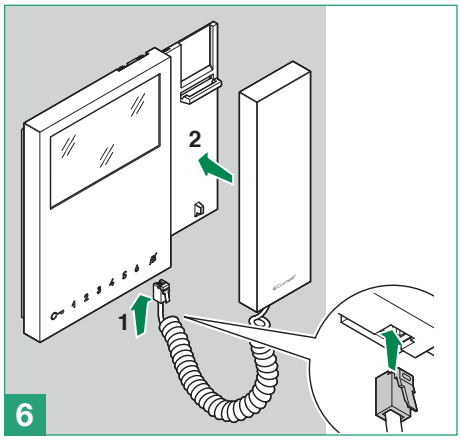


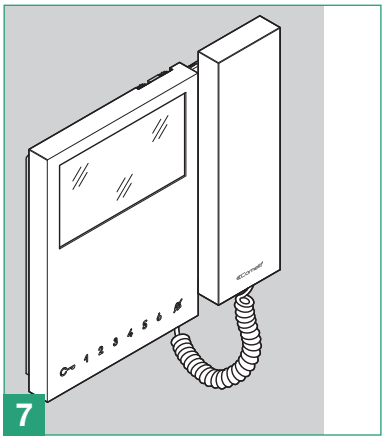




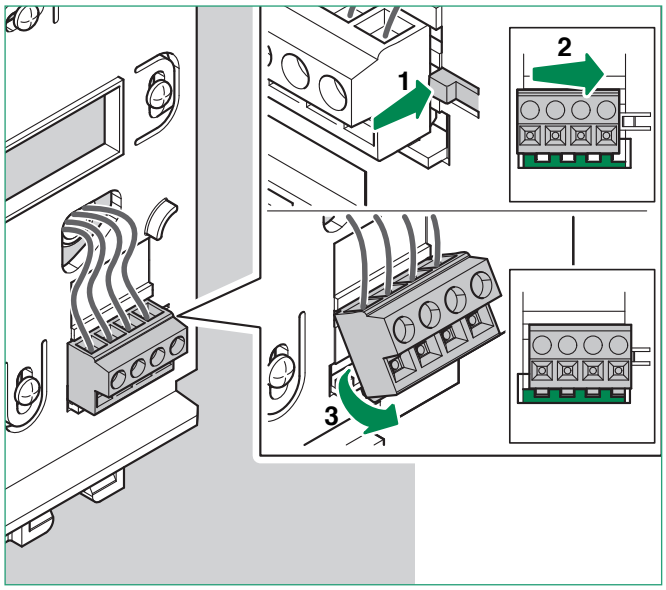


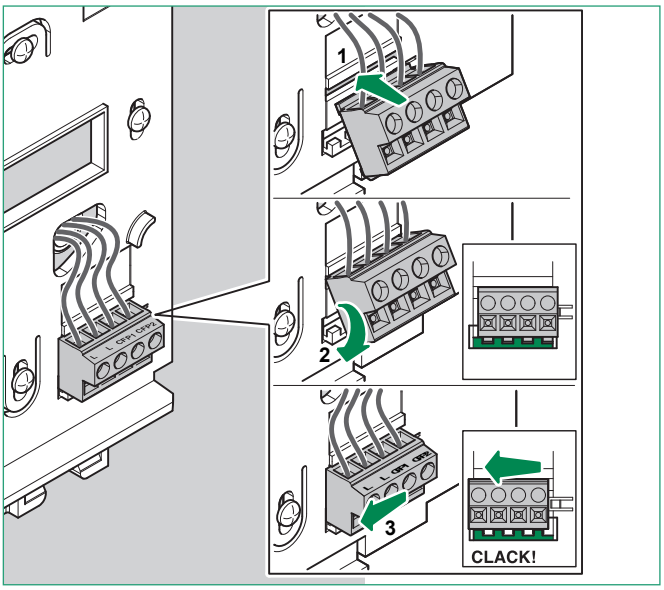




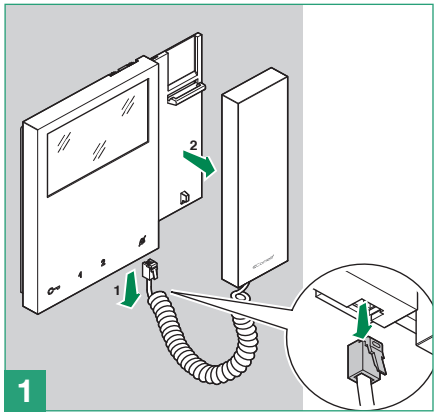


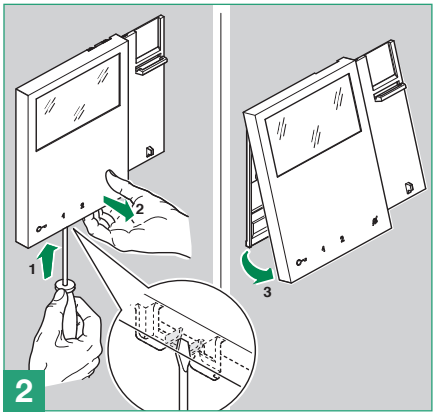
Removing / Fitting the terminal

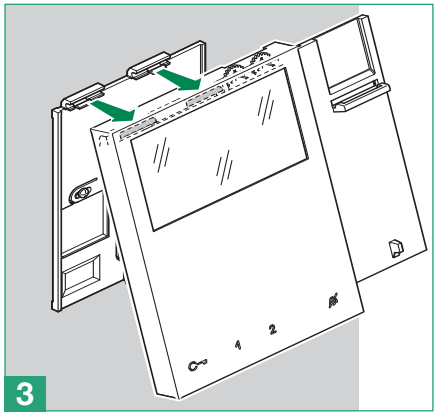


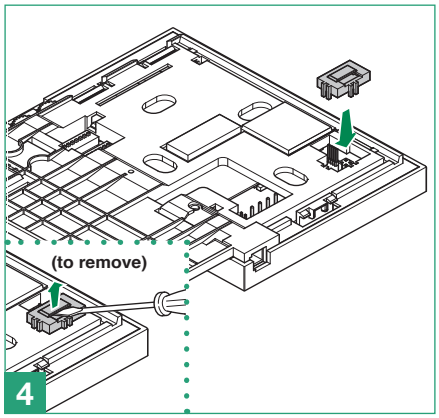


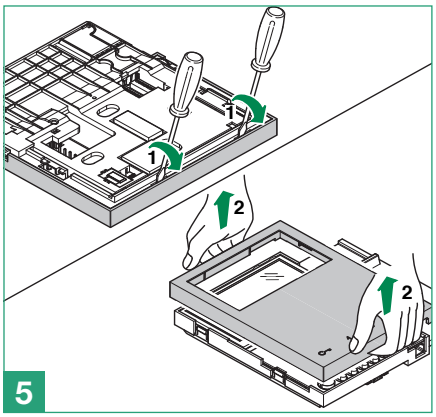
Fitting upgrade KIT Art. 6733W

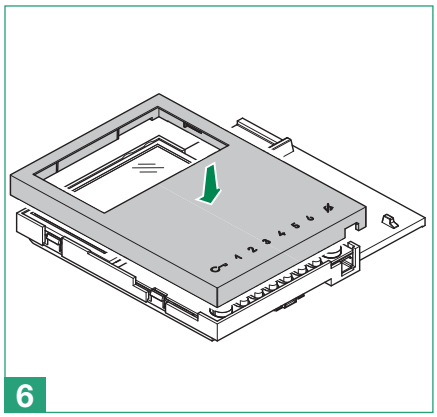


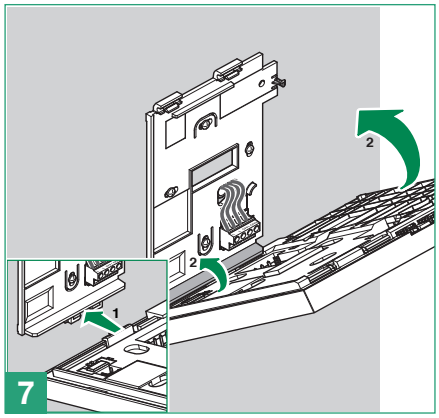


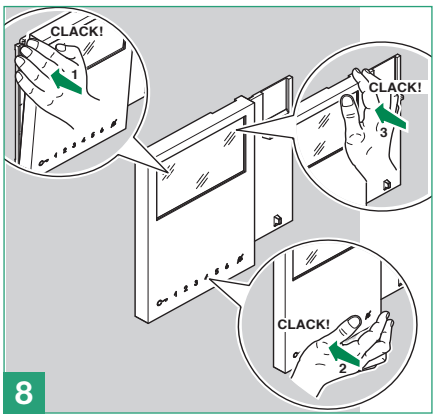


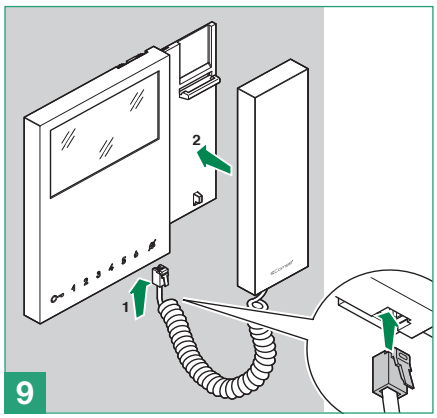








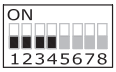




Monitor configuration

Standard configuration for soft-touch keys

DIP S2							Art. (6700W / 6700W/BM / 6701W / 6701W/BM) + Art. 6733W / Art. 6701B / 6701B/BM			
DIP 1	DIP 2	DIP 3	DIP 4	P1	P2	🔑	P3	P4	P5	P6
0	0	0	0	ACT	AI		CCS	D	PAN	K
1	0	0	0	CCS	AI		INT	INTb	D	ACT
0	1	0	0	INT	AI	🔑	INTb	ACT	CCS	CCP
1	1	0	0	ACT	CCS		CCP	PAN	K	D
0	0	1	0	ACT	ACT	ACT	ACT	ACT	ACT	ACT
1	0	1	0	INT	ACT		CCS	CCP	INTb	PAN
0	1	1	0	AI	D		K	CCS	CCP	INTb
1	1	1	0	INTb	INT		AI	INT	PAN	D
0	0	0	1	CCS	PAN		D	AI	INT	INTb
1	0	0	1	K	CCS	🔑	PAN	CCP	AI	INT
0	1	0	1	CCP	K		PAN	ACT	INT	AI
1	1	0	1	PAN	CCP		CCS	K	ACT	D
0	0	1	1	INTb	AI		INT	ACT	D	CCS
1	0	1	1	INT	INT		INT	INT	INT	INT
0	1	1	1	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1	1	1	1	PROG						

Standard configuration for DIP switches 1-2-3-4 

	Legend
🔑	Lock- release
ACT	Actuator
AI	Self-ignition
CCP	Main switchboard call – not for use in systems with KIT
CCS	Secondary switchboard call – not for use in systems with KIT
K	Guardian doorentry phone call
D	Doctor
PAN	Panic – not for use in systems with KIT
INT	Programmable intercom, general or selective - standard singlefamily calling for KIT and Simplebus Top
INTb	Two-family intercom - for KIT only
NULL	No function
PROG	Programmed functions, see pages 8-12. In this Dip switch setting, the buttons control the programmed functions; the NON-programmed buttons control functions referred to on line 0000 (default).

Advanced monitor configuration

Warning

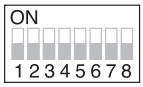
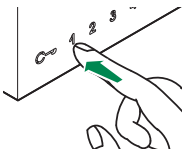
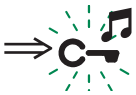
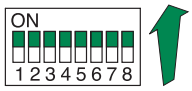
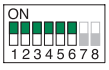
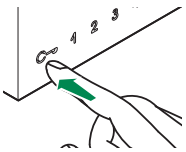
If the default settings (see table on page 7) do not reflect requirements, the keys can be programmed differently by carrying out the steps below.
At the end, set S2 DIP switches 1-2-3-4 to the combination 1111 (PROG setting in the configuration tables on pages 8-12). In this dip switch setting, the keys control the programmed functions; the NON-programmed keys control functions referred to on line 0000 (see table on page 7). Restore the user code setting on S1, see table A on page 15.

Programming for intercom call

General intercom: function allowing calls to one or more internal units identified by the same call address as used by the external unit.
Selective intercom: function allowing calls to one or more internal units identified by a dedicated call address (see table B, page 8) which is different from the one used by the external unit.
General and selective intercoms CANNOT be used together on the same riser.

Programming/deleting intercom address (selective intercom only)

Take note of the S2, S1 setting and restore it when programming is complete

1)	2)	3)	
Programming; set code, TAB. B on page 8 **S1** 	**S2 DIP** 1 2 3 4 5 6 0 0 0 1 1 1 **S2**  		
Cancellation **DIP ON** **S1** 	**S2 DIP** 1 2 3 4 5 6 1 1 1 1 1 1 **S2**  		

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).

TAB. 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	

Programming buttons for intercom call

DIP S2							Art. (6700W / 6700W/BM / 6701W / 6701W/BM) + Art. 6733W Art. 6701B / 6701B/BM				DIP S1
DIP 1	DIP 2	DIP 3	DIP 4	P1	P2	🔑	P3	P4	P5	P6	
0	0	0	0								
1	0	0	0				**INT**	**INTb**			
0	1	0	0	**INT**		🔑	**INTb**				
1	1	0	0								
0	0	1	0								
1	0	1	0	**INT**					**INTb**		
0	1	1	0							**INTb**	ADDRESS
1	1	1	0	**INTb**	**INT**			**INT**			
0	0	0	1						**INT**	**INTb**	
1	0	0	1			🔑				**INT**	
0	1	0	1						**INT**		
1	1	0	1								
0	0	1	1	**INTb**			**INT**				
1	0	1	1	**INT**	**INT**		**INT**	**INT**	**INT**	**INT**	
0	1	1	1								
1	1	1	1	PROG							

Example 1 - all systems (INCLUDING KITS!) - General intercom
on a monitor with user code 5, P3 programming = general internal call, P4 = general intercom with address 9

Example 2 - Selective intercom
on a monitor with user code 1 and intercom address 1, P3 programming = selective intercom with address 2, P4 = selective intercom with address 3

1. Set S2 DIP switch 6 to the combination 01.
   - » the privacy LED flashes.

S2 DIP						S2		
1	2	3	4	5	6		ON 12345678	⇒
0	0	0	0	0	1			

2. Refer to the table on page 9 and select a combination in which the intercom function (either INT or INTb) is listed for the keys you wish to program.
   E.g. 1: for P3= general internal call, set S2 DIP switches 1-2-3-4 to the combination 1000 or 0011 or 1011 (P3=INT), set S1 with address 5 in accordance with **table A** on page 15, go to point 3.
   E.g. 1: for P4= general intercom, set S2 DIP switches 1-2-3-4 to the combination 1110 or 1011 (P4=INT), set S1 with address 9 in accordance with **table A** on page 15, go to point 3.
   E.g. 2: for P3= single-family intercom, set S2 DIP switches 1-2-3-4 to the combination 1000 or 0011 or 1011 (P3=INT), set S1 with address 2 in accordance with **table B** on page 8, go to point 3.
   E.g. 2: for P4= selective intercom, set S2 DIP switches 1-2-3-4 to the combination 1110 or 1011 (P4=INT), set S1 with address 3 in accordance with **table B** on page 8, go to point 3.
3. Press and release the key to be associated with the function
   - » the lock-release LED lights up.
   - » a confirmation tone will sound.
4. To exit programming mode, set S2 DIP switches 5-6 to the combination 00
   - ▶ the privacy LED switches off
5. **When programming is complete, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see table A on page 15.**

Direct programming of intercom call

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. Lift the handset
3. Press and hold the privacy and lock-release keys 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 will be communicating with each other.

Step 2: intercom call programming

Operator 1:

▶ Press the key you want to program to call operator 2 (e.g. 2).

» The internal unit manned by operator 1 emits a confirmation tone.

Operator 2:

▶ Press the key you want to program to call operator 1 (e.g. 1).

» The internal unit manned by operator 2 emits a confirmation tone.

Operator 1/ Operator 2:

▶ Hang up the handset.

» The internal unit emits 1 tone.

» Programming of the 2 internal units is now complete.

To program another internal unit, move on to STEP 3.

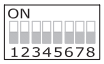
Step 3: programming other internal units

Operator 1/ Operator 2:

1. Once the new station has been reached, carry out step 1 to begin communication
2. Repeat step 2

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

Programming keys for generic or coded actuator

DIP S2							Art. (6700W / 6700W/BM / 6701W / 6701W/BM) + Art. 6733W Art. 6701B / 6701B/BM				DIP S1
DIP 1	DIP 2	DIP 3	DIP 4	P1	P2	🔑	P3	P4	P5	P6	
0	0	0	0	ACT							
1	0	0	0							ACT	
0	1	0	0			🔑		ACT			
1	1	0	0	ACT							
0	0	1	0	ACT	ACT	ACT	ACT	ACT	ACT	ACT	
1	0	1	0		ACT						
0	1	1	0								ADDRESS
1	1	1	0								
0	0	0	1								
1	0	0	1			🔑					
0	1	0	1					ACT			
1	1	0	1						ACT		
0	0	1	1					ACT			
1	0	1	1								
0	1	1	1								
1	1	1	1	PROG							

Example:
on a monitor with user code 5, P1 programming = generic actuator, P2 = coded actuator (code 125)

Take note of the DIP-switch settings

1. Set S2 DIP switch 6 to the combination 01.

» the privacy LED flashes.

S2 DIP						S2		
1	2	3	4	5	6			
0	0	0	0	0	1			⇒ 

2. Refer to the table on page 11 and select a combination in which the actuator function (ACT) is listed for the keys you wish to program.
E.g.: for P1= generic actuator, set S2 DIP switches 1-2-3-4 to the combination 0000 or 1100 or 0010 (P1=ACT), set S1 DIP switches to the combination 11111111, go to point 3.
E.g.: for P2= coded actuator (code 125), set S2 DIP switches 1-2-3-4 to the combination 0010 or 1010 (P2=ACT), set S1 with address 125 in accordance with **table A** on page 15, go to point 3.

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

» the lock-release LED lights up.

» a confirmation tone will sound.

4. To exit programming mode, set S2 DIP switches 5-6 to the combination 00.

» the privacy LED switches off.

5. When programming is complete, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see table A on page 15.

Programming buttons for other functions

DIP S2							Art. (6700W / 6700W/BM / 6701W / 6701W/BM) + Art. 6733W Art. 6701B / 6701B/BM			
DIP 1	DIP 2	DIP 3	DIP 4	P1	P2	🔑	P3	P4	P5	P6
0	0	0	0		AI		CCS	D	PAN	K
1	0	0	0	CCS	AI				D	
0	1	0	0		AI				CCS	CCP
1	1	0	0		CCS		CCP	PAN	K	D
0	0	1	0							
1	0	1	0				CCS	CCP		PAN
0	1	1	0	AI	D		K	CCS	CCP	
1	1	1	0				AI		PAN	D
0	0	0	1	CCS	PAN		D	AI		
1	0	0	1	K	CCS	🔑	PAN	CCP	AI	
0	1	0	1	CCP	K		PAN			AI
1	1	0	1	PAN	CCP		CCS	K		D
0	0	1	1		AI				D	CCS
1	0	1	1							
0	1	1	1	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1	1	1	1	PROG						

	Legend
🔑	Lock- release
AI	Self-ignition
CCP	Main switchboard call – not for use in systems with KIT
CCS	Secondary switchboard call – not for use in systems with KIT
K	Guardian doorentry phone call
D	Doctor
PAN	Panic – not for use in systems with KIT
NULL	No function
PROG	Programmed functions

Example:
on a monitor with user code 5, P1 programming = self-ignition, P4 = Secondary switchboard call.

1. Set S2 DIP switch 6 to the combination 01.

» the privacy LED flashes.

S2 DIP					
1	2	3	4	5	6
0	0	0	0	0	1

S2 

⇒ 

2. Refer to the table on page 12 and select a combination in which the desired/necessary functions are listed for the keys you wish to program.
E.g. 1: for P1= self-ignition, P4= switchboard call, set S2 DIP switches 1-2-3-4 to the combination 0110 (P1=AI, P4=CCS).

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

» the lock-release LED lights up.

» une tonalité de confirmation retentit.

4. To exit programming mode, set S2 DIP switches 5-6 to the combination 00

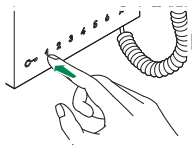
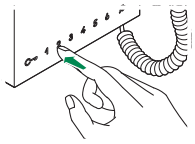
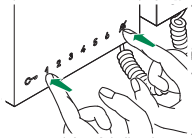
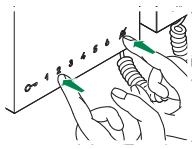
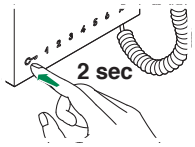
» the privacy LED switches off.

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

Programming range

Take note of the S2, S1 setting and restore it when programming is complete

Carry out steps 1 to 4

	1)	2)	3)	4)
Range minimum address	**S1** ON 1 2 3 4 5 6 7 8 set code, **TAB. A on page 15**	S2 DIP 1 2 3 4 5 6 / 0 0 0 0 1 0; **S2** ON 1 2 3 4 5 6 7 8 ⇓		**S2** ON 1 2 3 4 5 6 7 8 ⇓
Range maximum address				
Enable range				
Disable range				
Deleting the range	**DIP ON** **S1** ON 1 2 3 4 5 6 7 8	S2 DIP 1 2 3 4 5 6 / 1 1 1 1 1 0; **S2** ON 1 2 3 4 5 6 7 8 ⇓		

Monitor ringtone selection

1. Press and hold 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

2. Press and release
Once (1 confirmation tone is emitted) to change the ringtone for calls from the external unit.
Twice (2 confirmation tones are emitted) to change the ringtone for calls from the switchboard.
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 pressing of the key repeats the sequence described above.

3. Press and release to scroll through the various available ringtones in sequence.

4. Press to confirm selection of the last ringtone heard and to exit (at any time) change monitor ringtone mode.

» one confirmation tone is emitted

» the privacy LED switches off

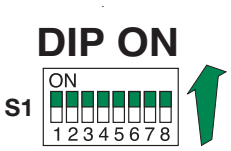
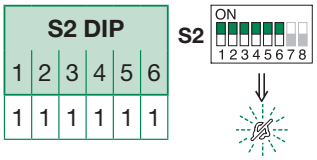
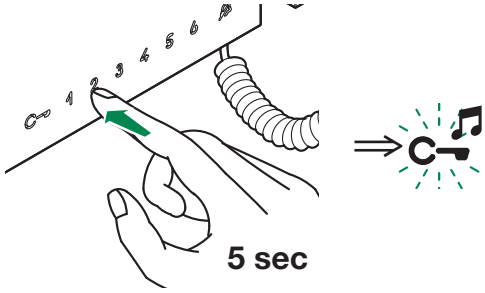
5. Repeat steps 1 to 4 to change the other ringtones.

Programming reset

Factory settings:

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

Take note of the S2, S1 setting and restore it when programming is complete

1)	2)	3)
		

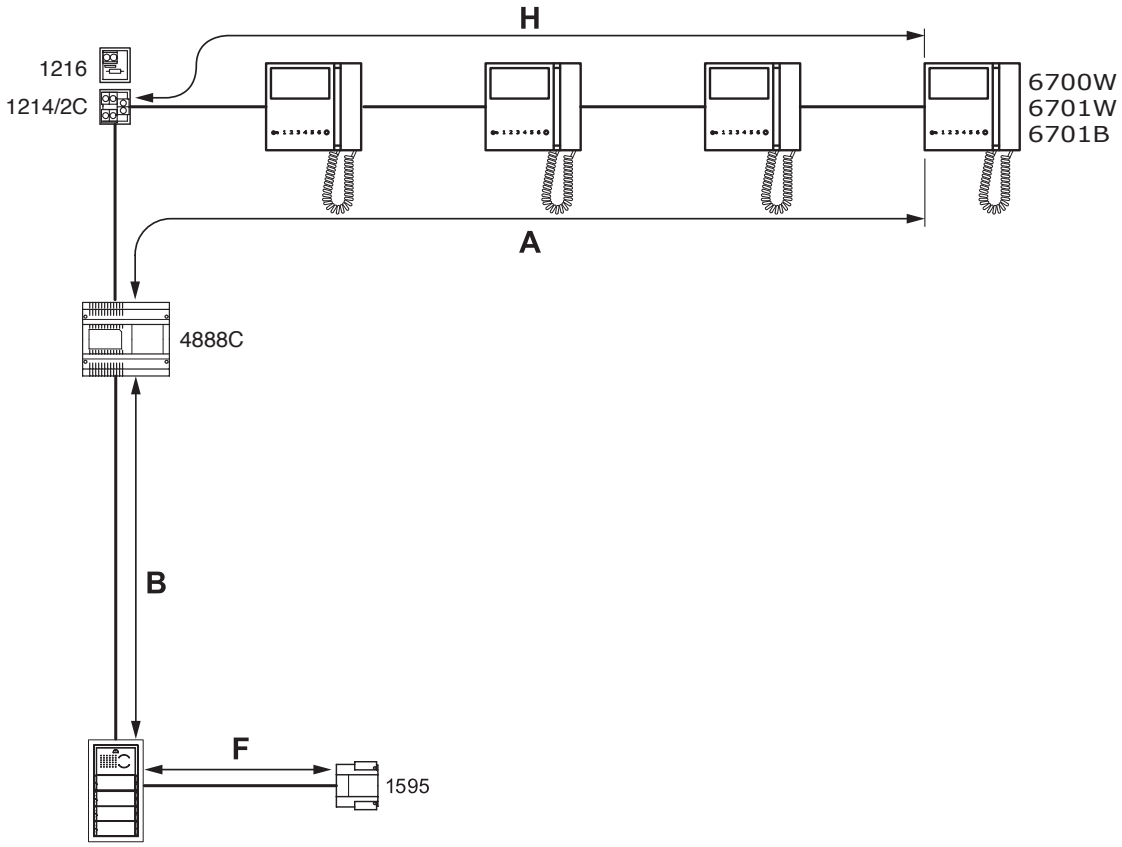
Riser addresses

TAB. A															
Code	Dip switch ON	Code	Dip switch ON	Code	Dip switch ON	Code	Dip switch ON	Code	Dip switch ON	Code	Dip switch ON	Code	Dip switch ON	Code	Dip switch ON
1	1	31	1,2,3,4,5	61	1,3,4,5,6	91	1,2,4,5,7	121	1,4,5,6,7	151	1,2,3,5,8	181	1,3,5,6,8	211	1,2,5,7,8
2	2	32	6	62	2,3,4,5,6	92	3,4,5,7	122	2,4,5,6,7	152	4,5,8	182	2,3,5,6,8	212	3,5,7,8
3	1,2	33	1,6	63	1,2,3,4,5,6	93	1,3,4,5,7	123	1,2,4,5,6,7	153	1,4,5,8	183	1,2,3,5,6,8	213	1,3,5,7,8
4	3	34	2,6	64	7	94	2,3,4,5,7	124	3,4,5,6,7	154	2,4,5,8	184	4,5,6,8	214	2,3,5,7,8
5	1,3	35	1,2,6	65	1,7	95	1,2,3,4,5,7	125	1,3,4,5,6,7	155	1,2,4,5,8	185	1,4,5,6,8	215	1,2,3,5,7,8
6	2,3	36	3,6	66	2,7	96	6,7	126	2,3,4,5,6,7	156	3,4,5,8	186	2,4,5,6,8	216	4,5,7,8
7	1,2,3	37	1,3,6	67	1,2,7	97	1,6,7	127	1,2,3,4,5,6,7	157	1,3,4,5,8	187	1,2,4,5,6,8	217	1,4,5,7,8
8	4	38	2,3,6	68	3,7	98	2,6,7	128	8	158	2,3,4,5,8	188	3,4,5,6,8	218	2,4,5,7,8
9	1,4	39	1,2,3,6	69	1,3,7	99	1,2,6,7	129	1,8	159	1,2,3,4,5,8	189	1,3,4,5,6,8	219	1,2,4,5,7,8
10	2,4	40	4,6	70	2,3,7	100	3,6,7	130	2,8	160	6,8	190	2,3,4,5,6,8	220	3,4,5,7,8
11	1,2,4	41	1,4,6	71	1,2,3,7	101	1,3,6,7	131	1,2,8	161	1,6,8	191	1,2,3,4,5,6,8	221	1,3,4,5,7,8
12	3,4	42	2,4,6	72	4,7	102	2,3,6,7	132	3,8	162	2,6,8	192	7,8	222	2,3,4,5,7,8
13	1,3,4	43	1,2,4,6	73	1,4,7	103	1,2,3,6,7	133	1,3,8	163	1,2,6,8	193	1,7,8	223	1,2,3,4,5,7,8
14	2,3,4	44	3,4,6	74	2,4,7	104	4,6,7	134	2,3,8	164	3,6,8	194	2,7,8	224	6,7,8
15	1,2,3,4	45	1,3,4,6	75	1,2,4,7	105	1,4,6,7	135	1,2,3,8	165	1,3,6,8	195	1,2,7,8	225	1,6,7,8
16	5	46	2,3,4,6	76	3,4,7	106	2,4,6,7	136	4,8	166	2,3,6,8	196	3,7,8	226	2,6,7,8
17	1,5	47	1,2,3,4,6	77	1,3,4,7	107	1,2,4,6,7	137	1,4,8	167	1,2,3,6,8	197	1,3,7,8	227	1,2,6,7,8
18	2,5	48	5,6	78	2,3,4,7	108	3,4,6,7	138	2,4,8	168	4,6,8	198	2,3,7,8	228	3,6,7,8
19	1,2,5	49	1,5,6	79	1,2,3,4,7	109	1,3,4,6,7	139	1,2,4,8	169	1,4,6,8	199	1,2,3,7,8	229	1,3,6,7,8
20	3,5	50	2,5,6	80	5,7	110	2,3,4,6,7	140	3,4,8	170	2,4,6,8	200	4,7,8	230	2,3,6,7,8
21	1,3,5	51	1,2,5,6	81	1,5,7	111	1,2,3,4,6,7	141	1,3,4,8	171	1,2,4,6,8	201	1,4,7,8	231	1,2,3,6,7,8
22	2,3,5	52	3,5,6	82	2,5,7	112	5,67	142	2,3,4,8	172	3,4,6,8	202	2,4,7,8	232	4,6,7,8
23	1,2,3,5	53	1,3,5,6	83	1,2,5,7	113	1,5,6,7	143	1,2,3,4,8	173	1,3,4,6,8	203	1,2,4,7,8	233	1,4,6,7,8
24	4,5	54	2,3,5,6	84	3,5,7	114	2,5,6,7	144	5,8	174	2,3,4,6,8	204	3,4,7,8	234	2,4,6,7,8
25	1,4,5	55	1,2,3,5,6	85	1,3,5,7	115	1,2,5,6,7	145	1,5,8	175	1,2,3,4,6,8	205	1,3,4,7,8	235	1,2,4,6,7,8
26	2,4,5	56	4,5,6	86	2,3,5,7	116	3,5,6,7	146	2,5,8	176	5,6,8	206	2,3,4,7,8	236	3,4,6,7,8
27	1,2,4,5	57	1,4,5,6	87	1,2,3,5,7	117	1,3,5,6,7	147	1,2,5,8	177	1,5,6,8	207	1,2,3,4,7,8	237	1,3,4,6,7,8
28	3,4,5	58	2,4,5,6	88	4,5,7	118	2,3,5,6,7	148	3,5,8	178	2,5,6,8	208	5,7,8	238	2,3,4,6,7,8
29	1,3,4,5	59	1,2,4,5,6	89	1,4,5,7	119	1,2,3,5,6,7	149	1,3,5,8	179	1,2,5,6,8	209	1,5,7,8	239	1,2,3,4,6,7,8
30	2,3,4,5	60	3,4,5,6	90	2,4,5,7	120	4,5,6,7	150	2,3,5,8	180	3,5,6,8	210	2,5,7,8	*240	5,6,7,8

* NOTE: code 240 is reserved for the porter switchboard

Operating distances with Art. 4888C

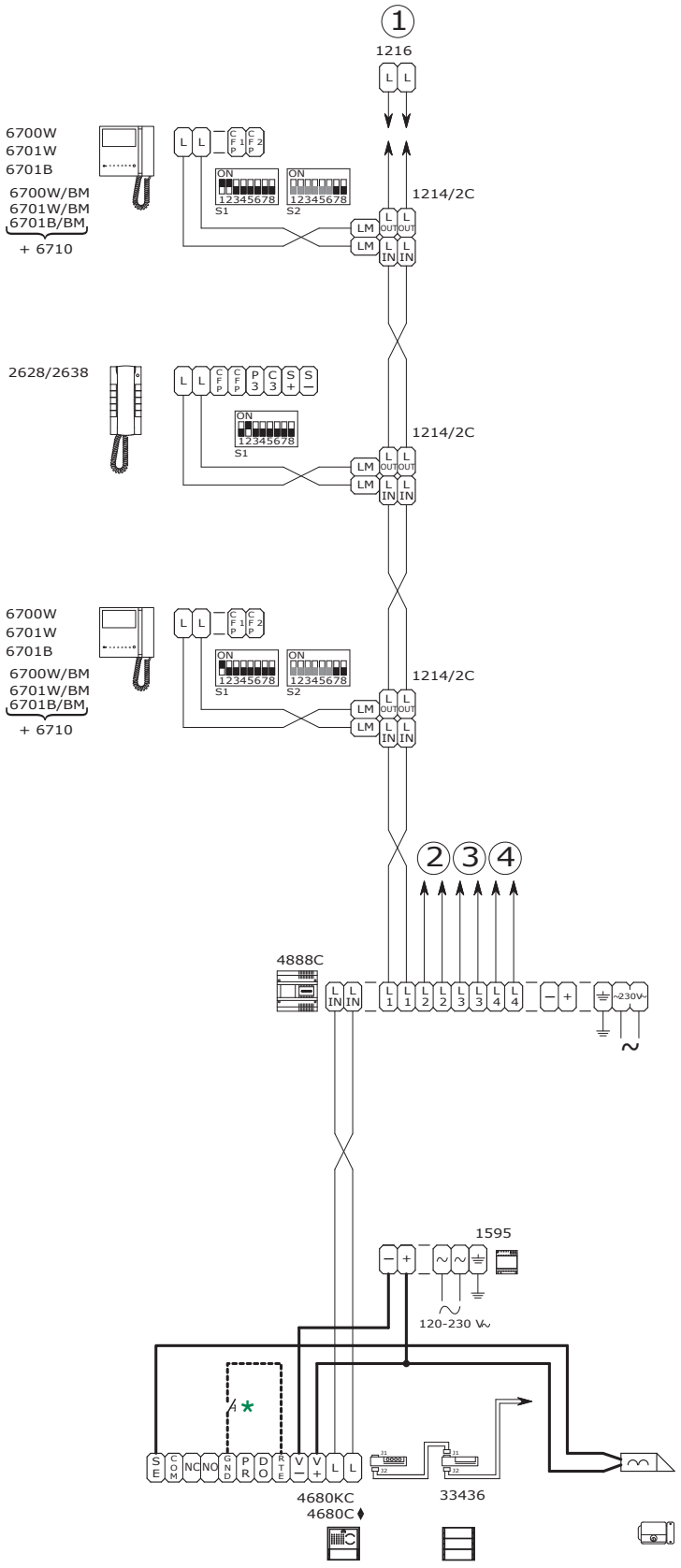
The total number of internal units with the same user code and call repetition devices (additional ringtone Art. 1229A) connected to these internal units cannot exceed 4 (with a maximum of 2 main internal units).
Connect only one call repetition device for each internal unit.



	A MAX	B MAX	F MAX	H MAX
Comelit Art. 4577/4579 1 mm2 (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 mm2 (Ø 0,5 mm AWG 24)	80 m (260 feet)	150 m (490 feet)		60 m (195 feet)
0,28 mm2 (Ø 0,6 mm AWG 23)	100 m (330 feet)	150 m (490 feet)	5 m (15 feet)	60 m (195 feet)
0,5 mm2 (Ø 0,8 mm AWG 20)	120 m (395 feet)	100 m (330 feet)	25 m (85 feet)	60 m (195 feet)
1 mm2 (Ø 1,2 mm AWG 17)	120 m (395 feet)	150 m (490 feet)	50 m (165 feet)	60 m (195 feet)
1 mm2 (Ø 1,2 mm AWG 17)	120 m (395 feet)	80 m (260 feet)	50 m (165 feet)	40 m (130 feet)
1,5 mm2 (Ø 1,4 mm AWG 15)	150 m (490 feet)	100 m (330 feet)	75 m (245 feet)	60 m (195 feet)
2,5 mm2 (Ø 1,8 mm AWG 13)			100 m (330 feet)	

Wiring diagrams with Art. 4888C

System with Art. 4888C: 1 Ikall series external unit

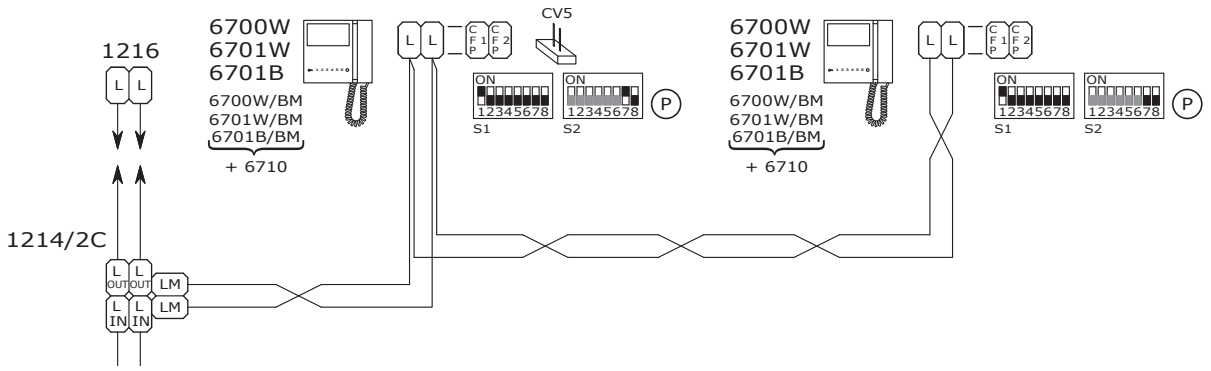


* Local door-opener button

♦ Art. 4680KC manages calls originating from ONLY digital or button modules if they fall between address 1 and address 10.

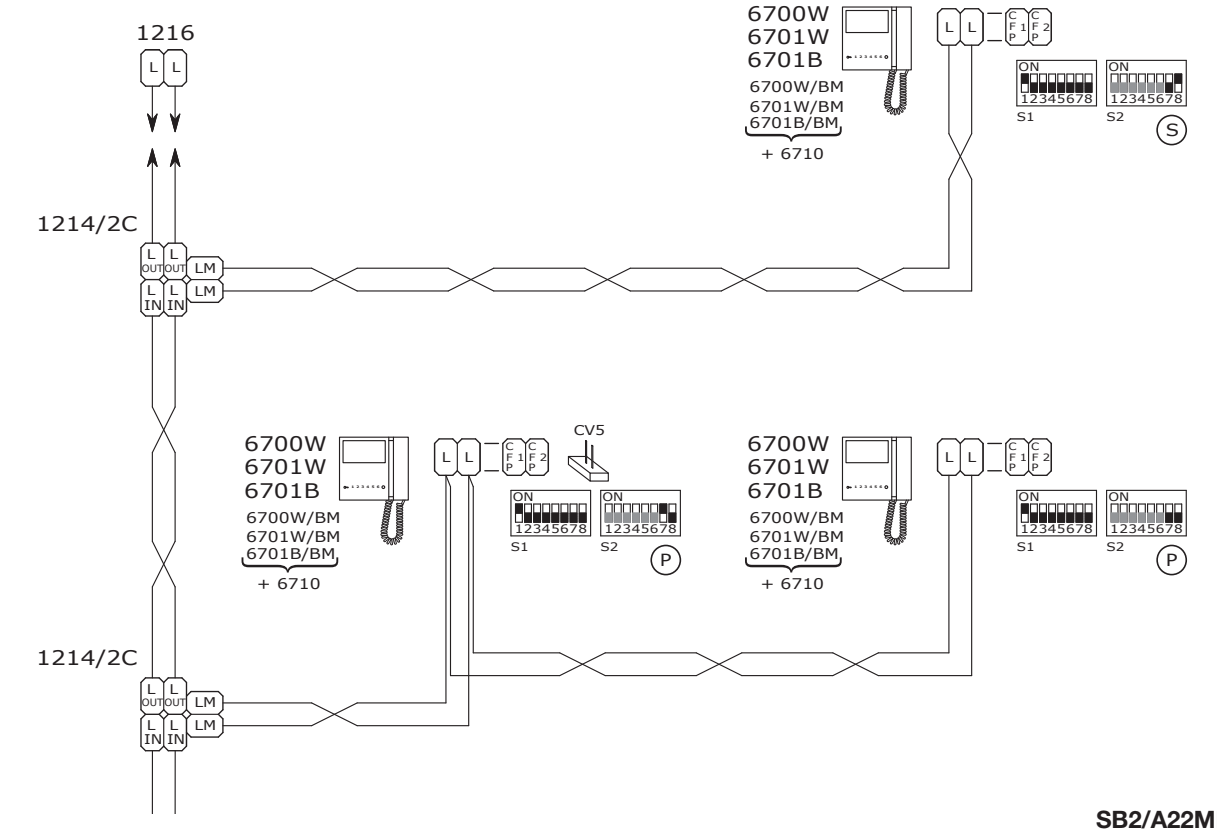
SB2V/039MINIC

System with Art. 4888C: 2 main monitors in cascade connection



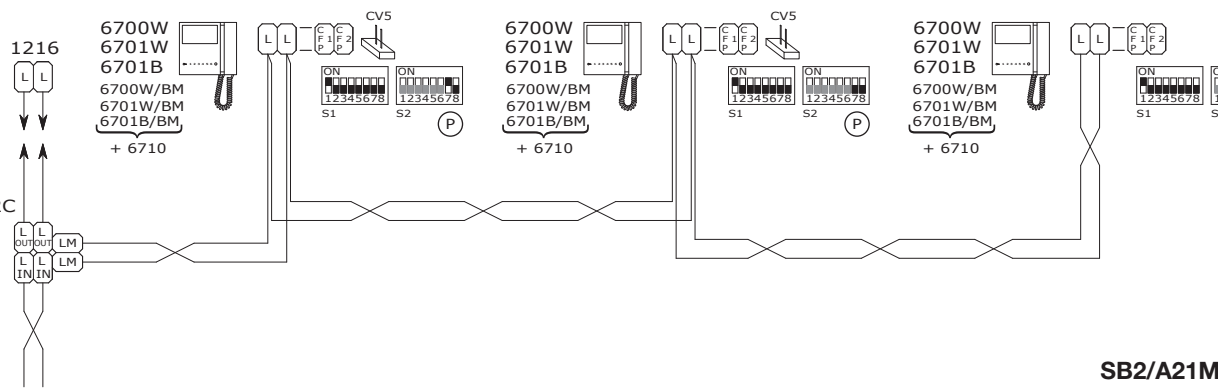
SB2/A19MINIC

System with Art. 4888C: 2 main monitors and 1 secondary monitor in branch connection



SB2/A22MINIC

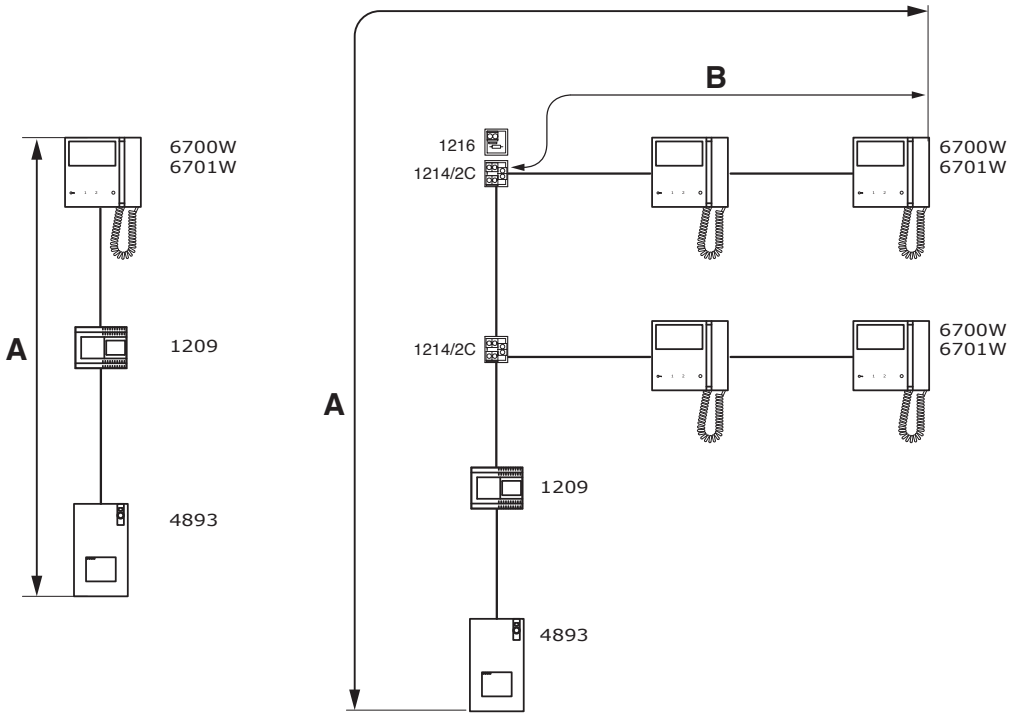
System with Art. 4888C: 2 main monitors and 1 secondary monitor in cascade connection

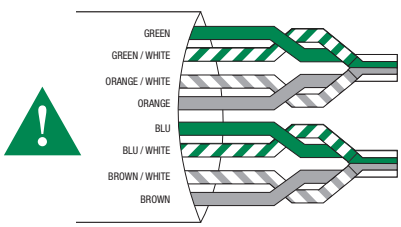


SB2/A21MINIC

Operating distances with KIT 8461M-MB

The total number of internal units with the same user code and call repetition devices (additional ringtone Art. 1229A) connected to these internal units cannot exceed 4 (with a maximum of 1 main internal unit and 3 secondary internal units). Connect only one call repetition device for each internal unit.

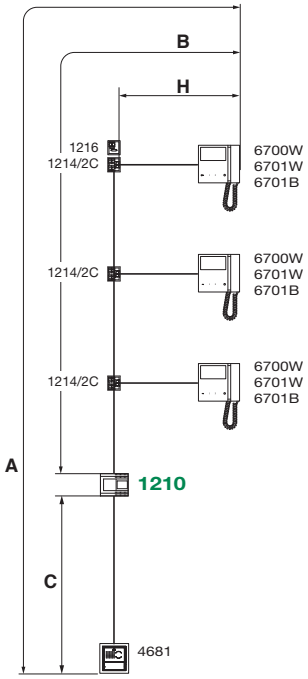


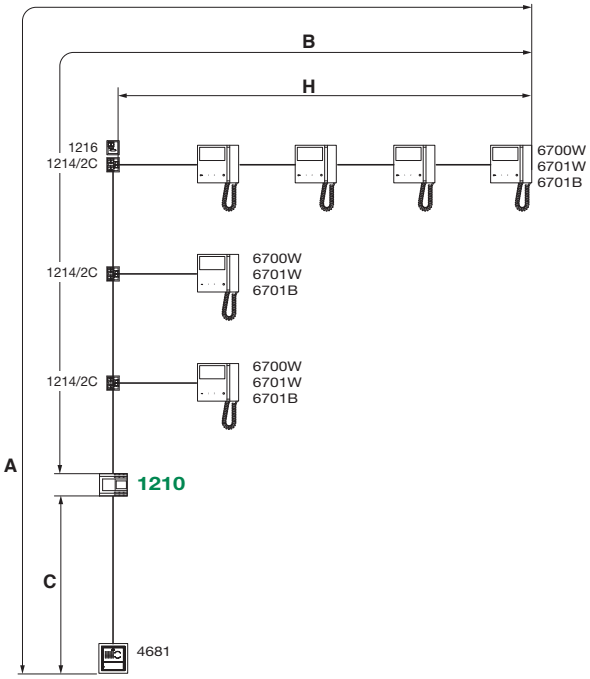
	A MAX	B MAX
Comelit Art. 4577/4579 1 mm2 (Ø 1,2 mm AWG 17)	200 m (655 feet)	100 m (330 feet)
UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24)	100 m (330 feet)	60 m (195 feet)
0,28 mm2 (Ø 0,6 mm AWG 23)	100 m (330 feet)	60 m (195 feet)
0,5 mm2 (Ø 0,8 mm AWG 20)	100 m (330 feet)	60 m (195 feet)
1 mm2 (Ø 1,2 mm AWG 17)	100 m (330 feet)	60 m (195 feet)
1 mm2 (Ø 1,2 mm AWG 17)	80 m (260 feet)	40 m (130 feet)
1,5 mm2 (Ø 1,4 mm AWG 15)	100 m (330 feet)	60 m (195 feet)
*UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24) MULTI PAIR CABLE 	200 m (660 feet)	70 m (230 feet)

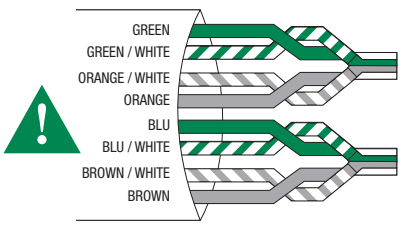
UTP cable with multi-cable connection: FOLLOW THE COLOURS SHOWN IN THE DIAGRAM!

Operating distances with Art. 1210

The total number of internal units with the same user code and call repetition devices (additional ringtone Art. 1229A) connected to these internal units cannot exceed 4 (with a maximum of 1 main internal unit and 3 secondary internal units). Connect only one call repetition device for each internal unit.



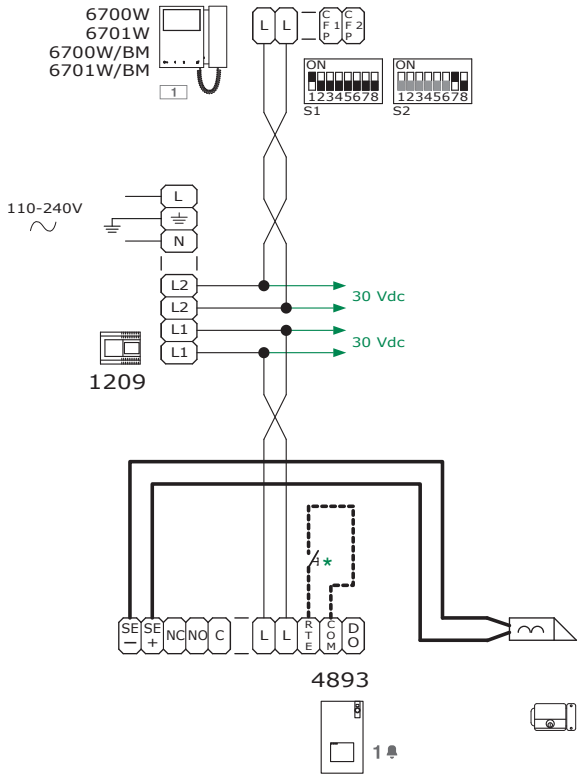


	A MAX	B MAX	C MAX	H MAX
Comelit Art. 4577/4579 1 mm2 (Ø 1,2 mm AWG 17)	260 (850 feet)	130 (425 feet)	130 (425 feet)	50 (164 feet)
UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24)	80 (260 feet)	40 (130 feet)	40 (130 feet)	30 (98 feet)
0,28 mm2 (Ø 0,6 mm AWG 23)	100 (328 feet)	50 (164 feet)	50 (164 feet)	30 (98 feet)
0,5 mm2 (Ø 0,8 mm AWG 20)	140 (460 feet)	70 (230 feet)	70 (230 feet)	30 (98 feet)
1 mm2 (Ø 1,2 mm AWG 17)	200 (656 feet)	100 (328 feet)	100 (328 feet)	40 (130 feet)
1,5 mm2 (Ø 1,4 mm AWG 15)	80 (260 feet)	40 (130 feet)	40 (130 feet)	30 (98 feet)
*UTP5 cat. 5 0,2 mm2 (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!

Wiring diagrams with KIT 8461M-MB and Art.1210

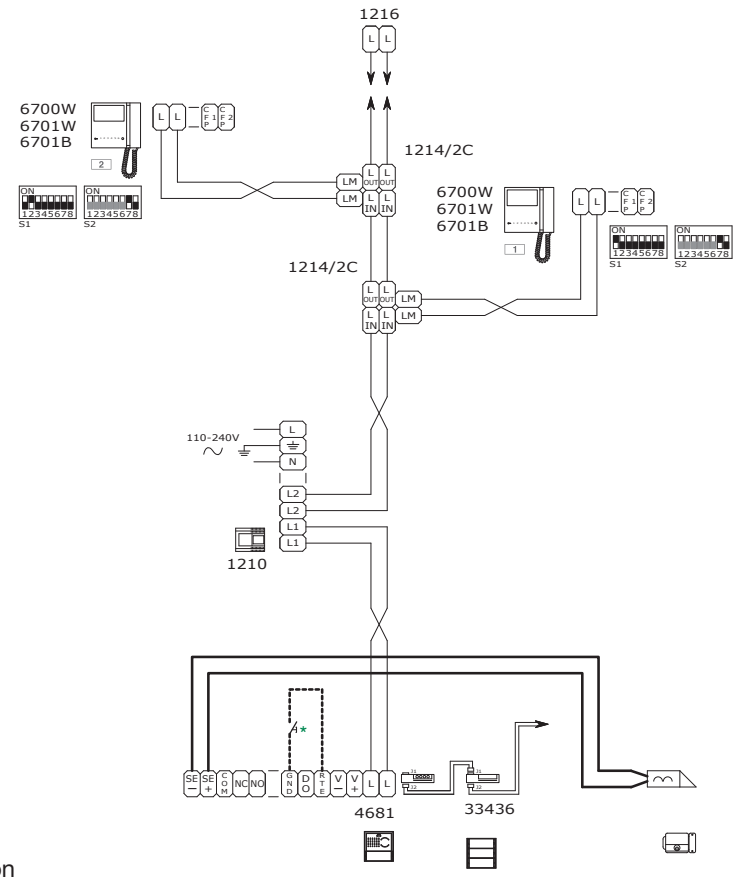
KIT 8461M-MB: standard single-family system



* Local door-opener button

MNK/039QC

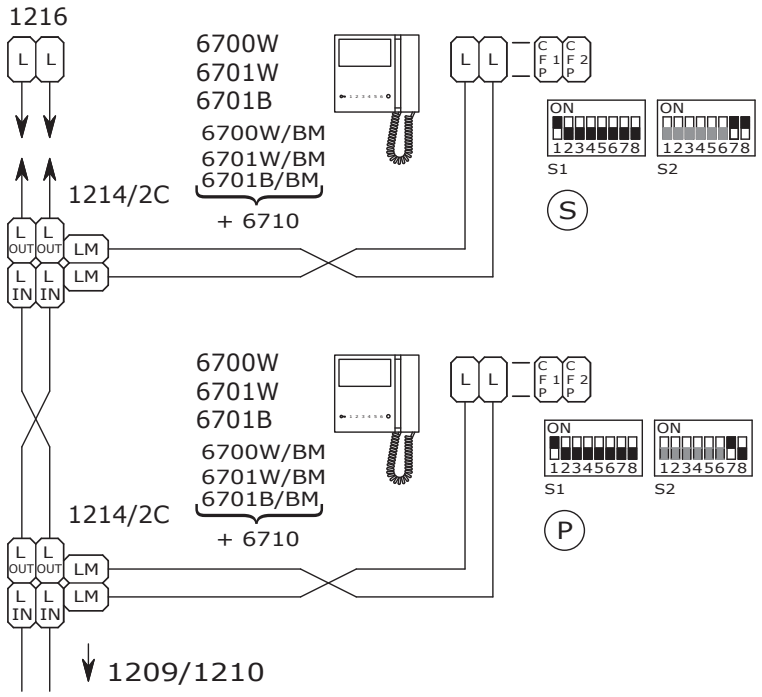
System with Art. 1210



* Local door-opener button

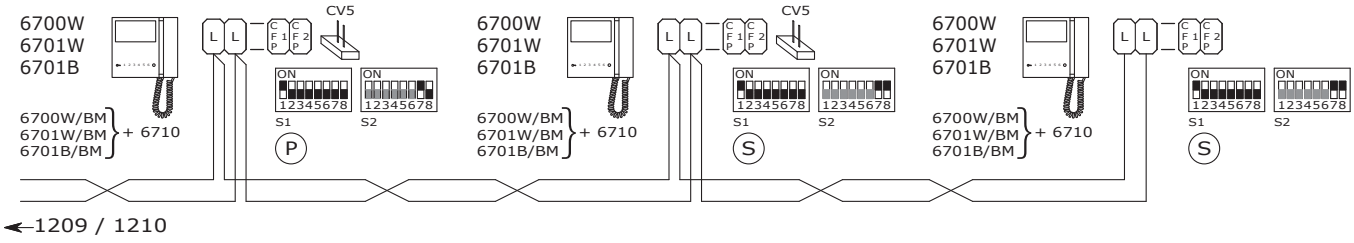
S2W/001MI

KIT 8461M-MB or system with Art. 1210: secondary monitor in branch connection



SB2/A24MINIC

KIT 8461M-MB or system with Art. 1210: 2 additional secondary monitors in cascade connection

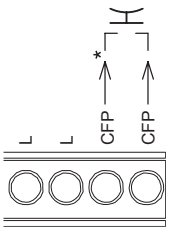


SB2/A23MINIC

Floor door call connection variant

If there are a number of door-entry phones or monitor brackets with the same user code, connect the CFP button to one only; all the devices will ring simultaneously.

* 20 m MAX - Use screened cable for the connection and do not run cables near heavy inductive loads or power supply cables (230V / 400V).



3 ed. - 1rev. 04/2017
cod. 2G40001629

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