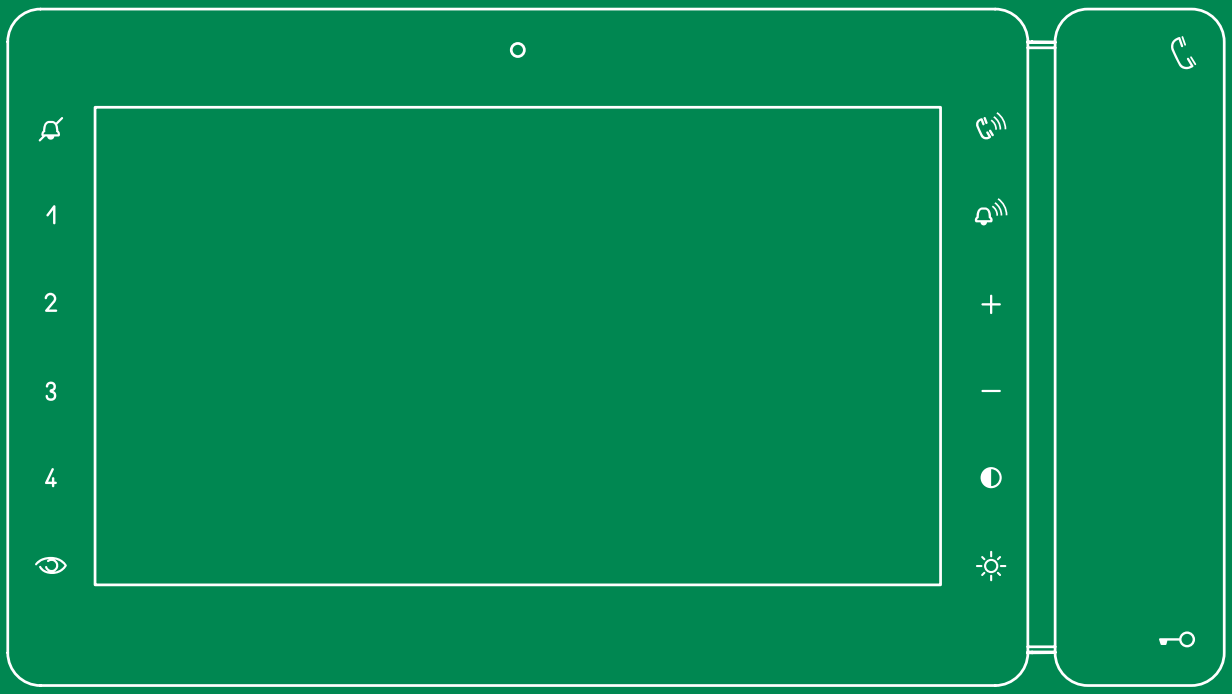
EN

TECHNICAL
MANUAL



Technical manual for 7” MAXI SBC colour monitor
Art. 6801W(/BM)

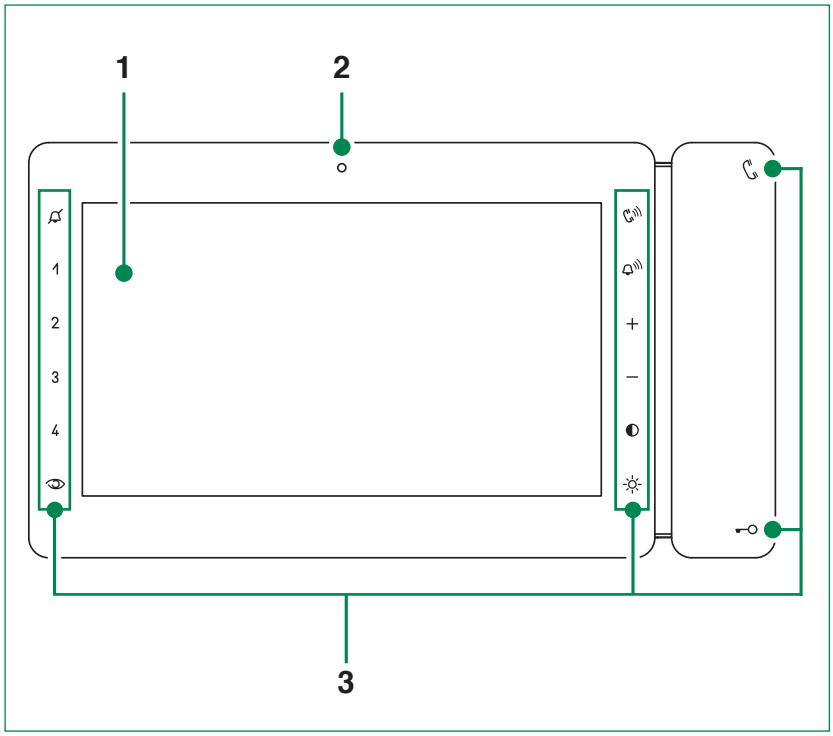
Comelit®
Passion. Technology. Design.

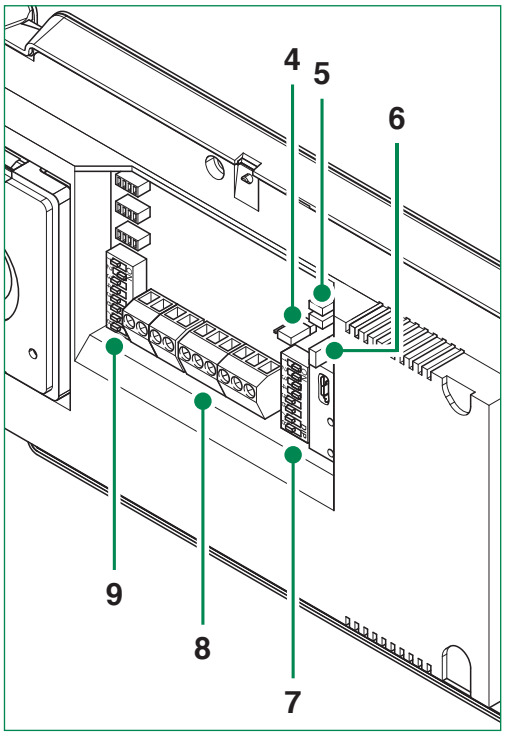
Warning

- Install the equipment by carefully following the instructions given by the manufacturer and in compliance with the standards in force.
- All the equipment must only be used for the purpose it was designed for. **Comelit Group S.p.A.** declines any responsibility for improper use of the apparatus, for modifications made by third parties for any reason or purpose, and for the use of non-original accessories and materials.
- All the products comply with the requirements of the 2014/30/UE, 2014/35/UE directives, as certified by the **CE** mark they carry.
- Do not route riser wires in proximity to power supply cables (230/400V).
- Installation, mounting and assistance procedures for electrical devices must only be performed by specialised electricians.
- Cut off the power supply before carrying out any maintenance work.

Table of contents

Monitor description





1. 7” colour LCD screen

2. Microphone

3. Soft-touch keys/Led

4. CV6

position A = contact IN1-IN2 > LED (default)

position B = contact CFP2-IN1 > ALARM/LOCK-RELEASE/ACTUATOR

5. CV1 CV2 Jumper for separate power supply

6. CV5 Jumper for video closure

7. S2 Ⓟ Micro-switches for programming keys and functions

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

DIP 5-6 access to programming

DIP 7 for power supply voltage management (see diagrams and variants as of page 19) default = OFF

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

DIP 8:

ON secondary backplate

OFF main backplate (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.

8. Terminal block for system connection:
CFP1 CFP2 Outside door call input
S+ S- Terminals for additional ringtone output
IN1 IN2 Input terminals (programmable)
- + Power supply terminals
L L Bus line connection terminals

9. S1 Ⓐ User code programming microswitches (see table on page 17)

Soft-touch key description

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

Audio key
Lock-release key
1 2 3 4 Keys 1-2-3-4 (programmable)
Self-ignition key (programmable)
Privacy key
Audio volume key
Ringtone volume key
+ — Value 'Up/Down' key
Contrast key
Brightness key

Indicator LED description

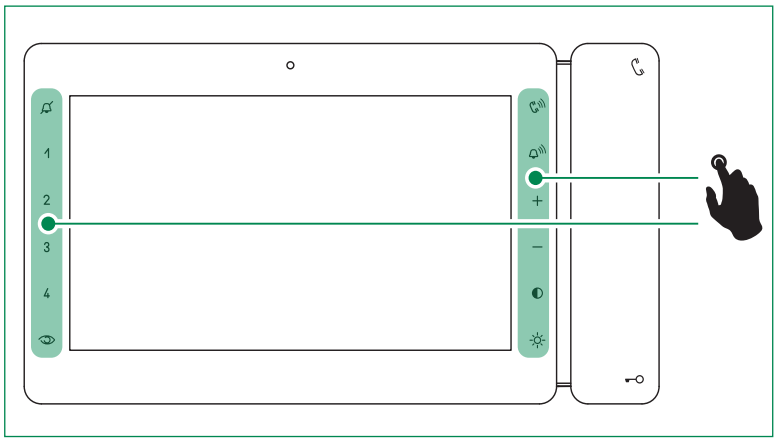
Audio LED
steady = audio enabled/hands-free function
continuous flashing = call received

Lock-release LED
1 flash = confirm lock-release
4 flashes = programming successful
10 flashes = programming error
continuous flashing = door open

Privacy LED - Doctor
4 flashes = device engaged
slow flashing = programming
3 flashes (every 5 s.) = Doctor function enabled
steady = privacy function enabled

The monitor Art. 6801W 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.

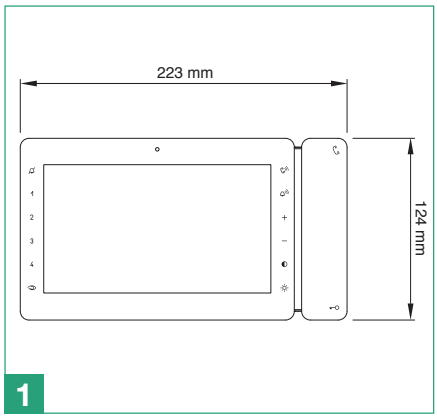
Soft-touch key activation

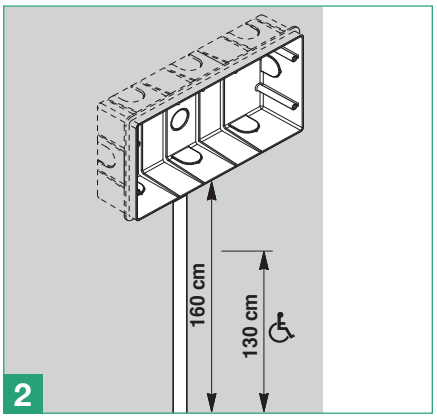


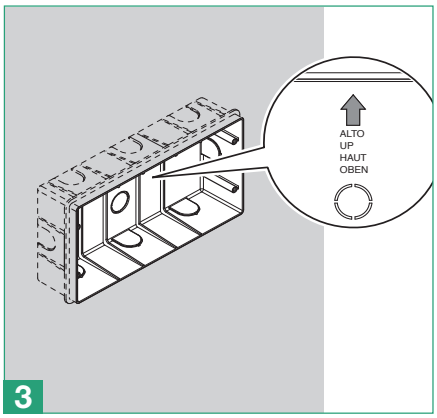
- Touch to activate the function keys
- Press the desired key once to activate the function associated with it

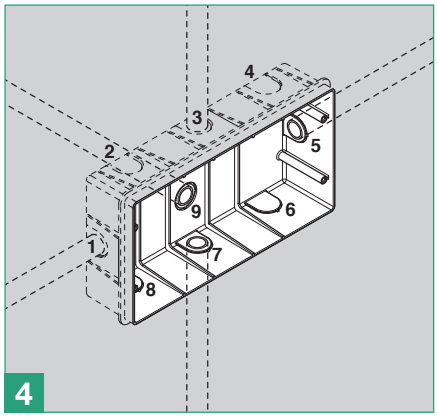
Installation

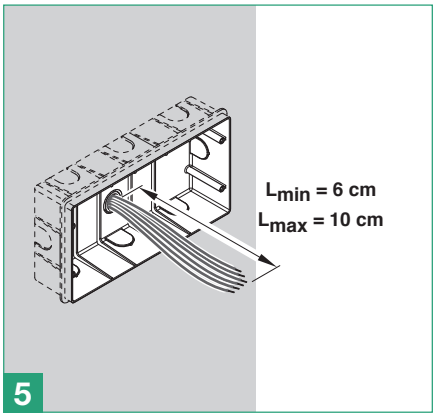
Mounting the 7" MAXI SBC monitor on flush-mounted box Art. 6817

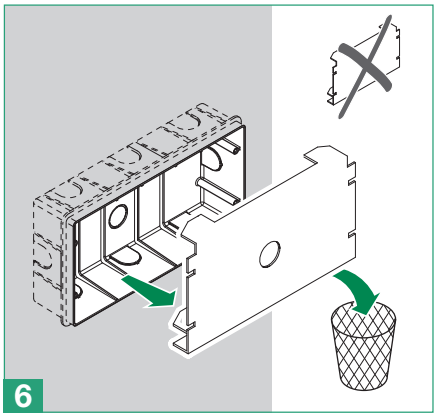


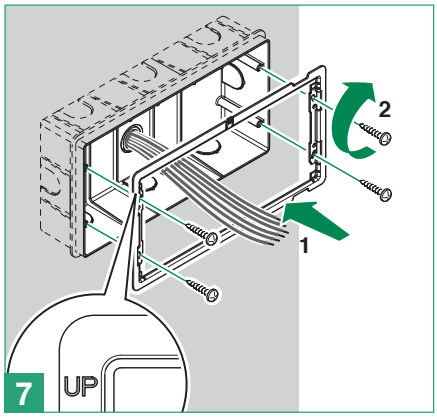


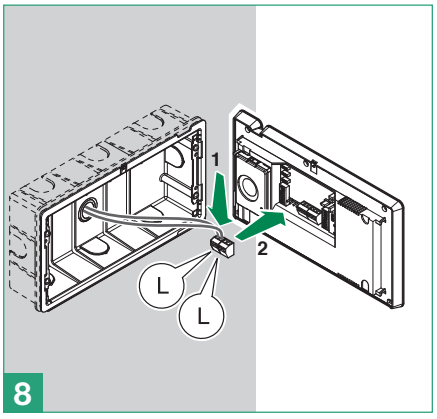


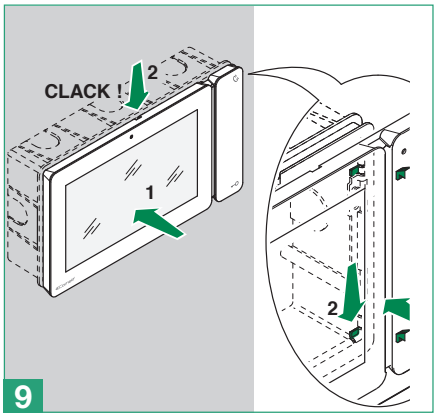


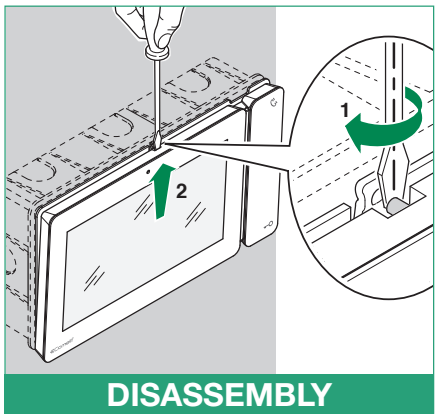




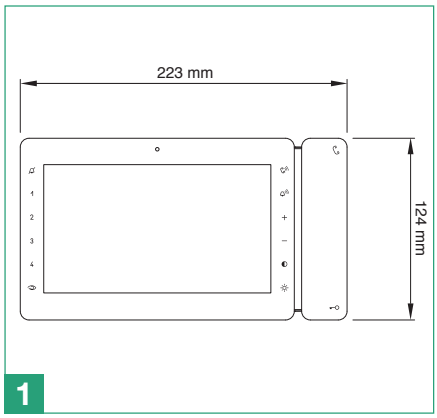


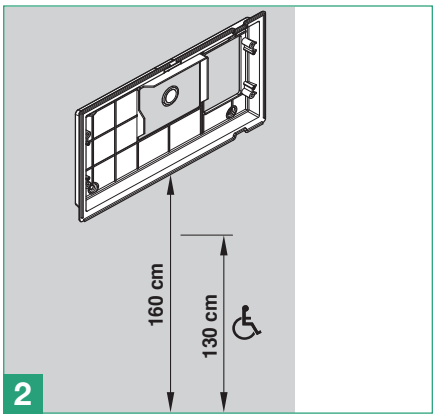


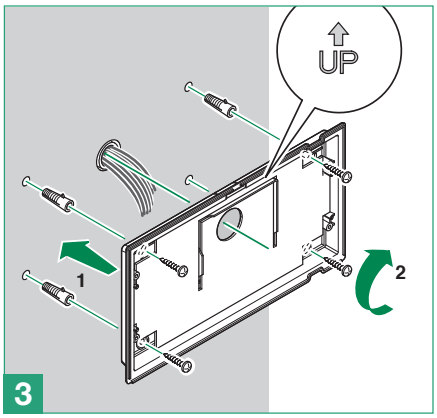


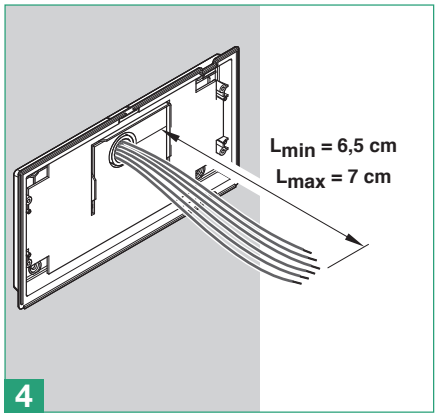


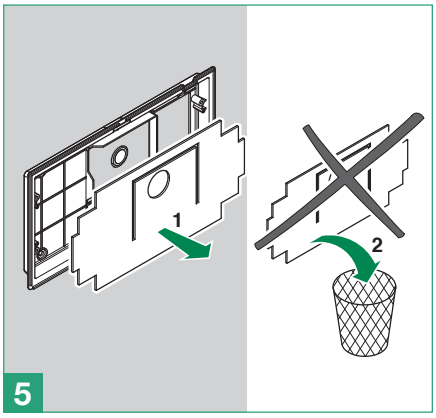
Wall-mounting (Art. 6820 - optional)

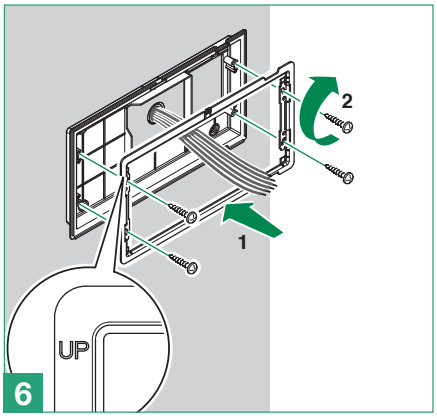


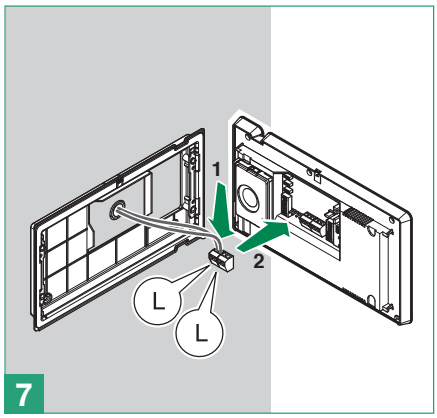


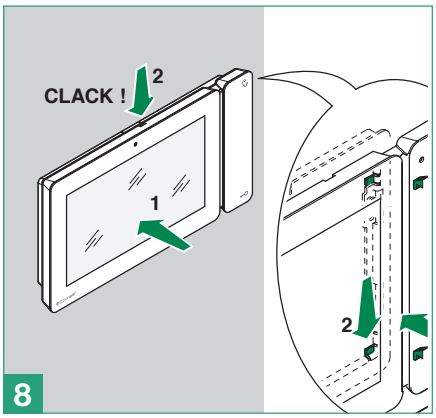


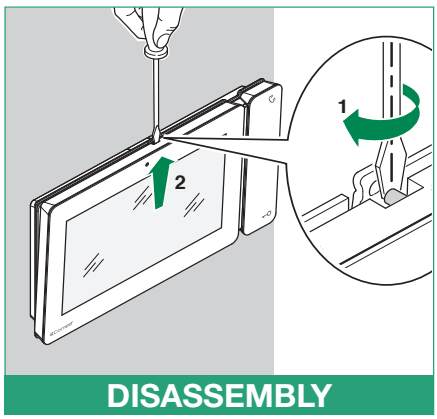




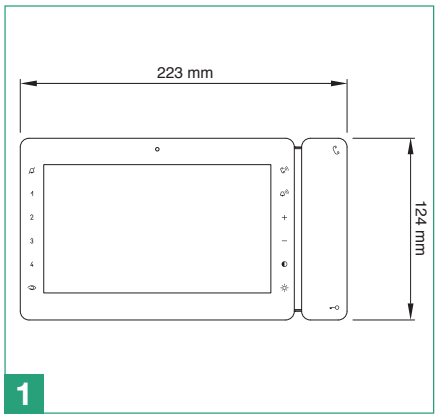


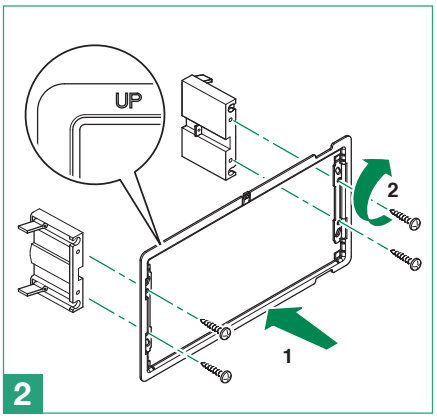


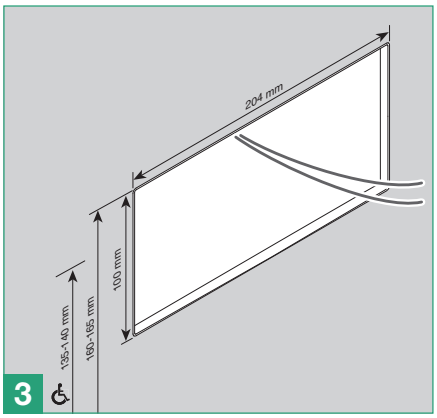


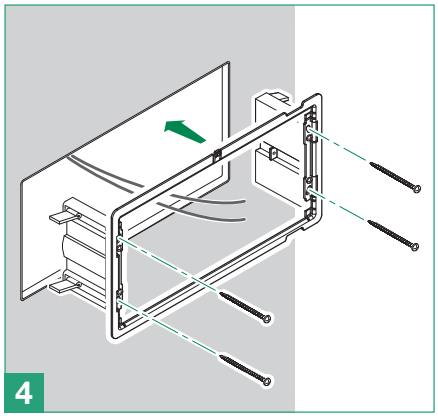


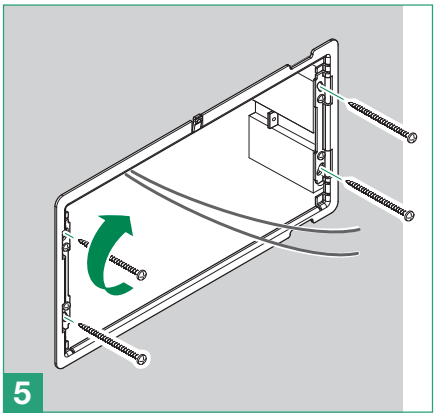
Installation on plasterboard walls with mounting kit Art. 6118

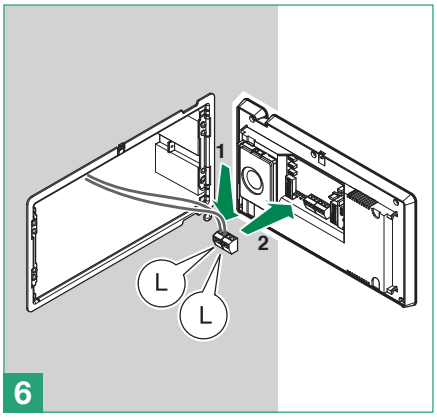


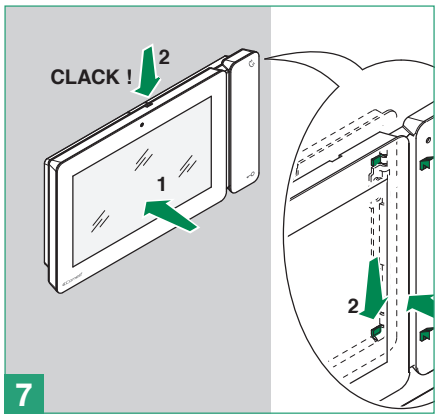


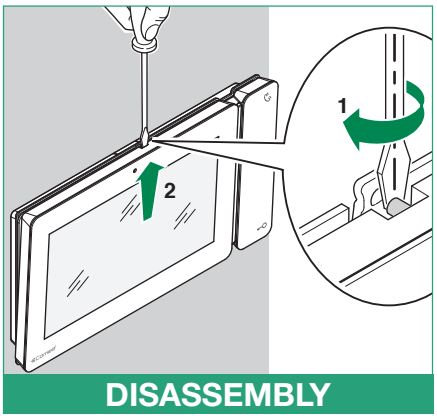






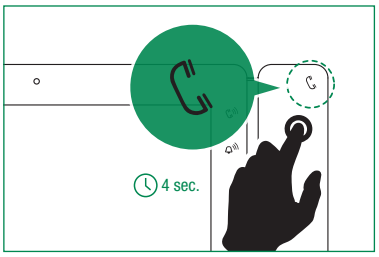






Operation

Activation/deactivation automatic answer mode

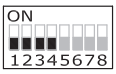


- ▶ Press on the audio activation key for 4sec
  - » (ACTIVATION) + audio LED with FIXED ILLUMINATION
  - » (DEACTIVATION) **BEEP** + audio LED OFF

Monitor configuration

Standard configuration for soft-touch keys

DIP S2										
DIP 1	DIP 2	DIP 3	DIP 4				P1	P2	P3	P4
0	0	0	0	AI			CCS	ACT	D	PAN
1	0	0	0	AI			ACT	INT	INTb	D
0	1	0	0	AI			INT	INTb	ACT	CCS
1	1	0	0	CCS			ACT	CCP	PAN	K
0	0	1	0	ACT	ACT		ACT	ACT	ACT	ACT
1	0	1	0	ACT			INT	CCS	CCP	INTb
0	1	1	0	D			AI	K	CCS	CCP
1	1	1	0	INT			INTb	AI	INT	PAN
0	0	0	1	PAN			CCS	D	AI	INT
1	0	0	1	CCS			K	PAN	CCP	AI
0	1	0	1	K			CCP	PAN	ACT	INT
1	1	0	1	CCP			PAN	CCS	K	ACT
0	0	1	1	INTb			D	INT	ACT	AI
1	0	1	1	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
	Audio
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	General or selective programmable intercom - general internal call as standard for KIT and Simplebus Top
INTb	Two-family intercom - for KIT only
NULL	No function
PROG	Programmed functions, see pages 9-15. 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

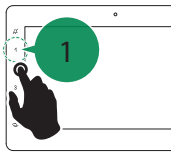
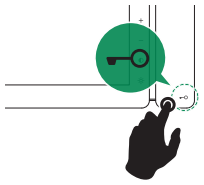
If the default settings (see table on page 8) do not reflect requirements, the keys can be programmed differently by carrying out the steps below.
At the end, set S2 DIP switches 1-2-3-4 to the combination 1111 (PROG setting in the configuration tables on pages 9-15). In this dip switch setting, the keys control the programmed functions; the NON-programmed keys control functions referred to on line 0000 (see table on page 8. Restore the user code setting on S1, see table A on page 17.

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 9) 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 9 S1 ON 1 2 3 4 5 6 7 8	S2 DIP 1 2 3 4 5 6 0 0 0 1 1 1 S2 ON 1 2 3 4 5 6 7 8		
Cancellation 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 1 S2 ON 1 2 3 4 5 6 7 8		

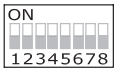
Selective intercom addresses

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										DIP S1
DIP 1	DIP 2	DIP 3	DIP 4	👁	🔑	📞	P1	P2	P3	P4	
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								ADDRESS
1	1	1	0	INT			INTb		INT		
0	0	0	1							INT	
1	0	0	1								
0	1	0	1							INT	
1	1	0	1								
0	0	1	1	INTb				INT			
1	0	1	1	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, P2 programming = general internal call, P3 = general intercom with address 9

Example 2 - Selective intercom
on a monitor with user code 1 and intercom address 1, P2 programming = selective intercom with address 2, P3 = selective intercom with address 3

1. Set S2 DIP switches 6 to the combination 1.
   - » 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 10 and select a combination in which the intercom function (either INT or INTb) is listed for the buttons you wish to program.
   EXAMPLE 1: for P2= general internal call, set S2 DIP switches 1-2-3-4 to the combination 1000 or 0011 or 1011 (P2=INT) or 0100 (P2=INTb) and set S1 with address 5 as per **table A** on page 17, then go to point 3
   EXAMPLE 1: for P3= general intercom, set S2 DIP switches 1-2-3-4 to the combination 1110 or 1011 (P3=INT) or 1000 (P3=INTb) and set S1 with address 9 as per **table A** on page 17, then go to point 3
   EXAMPLE 2: for P2= selective intercom, set S2 DIP switches 1-2-3-4 to the combination 1000 or 0011 or 1011 (P2=INT) and set S1 with address 2 as per **table B** page 9, then go to point 3
   EXAMPLE 2: for P3= selective intercom, set S2 DIP switches 1-2-3-4 to the combination 1110 or 1011 (P3=INT) and set S1 with address 3 as per **table B** page 9, then go to point 3.
3. Press and release the key to be associated with the function
   - » the lock-release LED 🔑 flashes 4 times.
   - » 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 17.**

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. Press the Key and Self-ignition button for 2 seconds.
   - » The internal unit emits 1 tone.
   - » The privacy LED flashes.
   - » The audio button LED lights up.
   - » 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:

▶ Press the audio key .

» The audio button LED goes OFF.

» Programming of the 2 internal units is now complete.

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

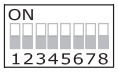
Step 3: programming other internal units

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											DIP S1
DIP 1	DIP 2	DIP 3	DIP 4	👁	🔑	📞	P1	P2	P3	P4	
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	
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						

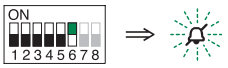
Example:
on a monitor with user code 5, P1 programming = generic actuator, 👁 = coded actuator (code 125)

Take note of the DIP-switch settings

1. Set S2 DIP switches 6 to the combination 1.

» the privacy LED 🔔 flashes.

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



2. Refer to the table on page 12 select a combination in which the actuator function (ACT) is listed for the buttons you wish to program.
E.g.: for P1= generic actuator, set S2 DIP switches 1-2-3-4 to the combination 1000 or 1100 or 0010 (P1=ACT), set S1 DIP switches to the combination 11111111, then go to point 3.
E.g.: for 👁 = coded actuator (code 125), set S2 DIP switches 1-2-3-4 to the combination 0010 or 1010 (👁 =ACT), set S1 with address 125 as per **table A** on page 17, then go to point 3.

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

» the lock-release LED 🔑 flashes 4 times.

» 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 17.

Programming buttons for other functions

DIP S2										DIP S1
DIP 1	DIP 2	DIP 3	DIP 4	👁	🔑	📞	P1	P2	P3	P4	
0	0	0	0	AI			CCS		D	PAN	
1	0	0	0	AI						D	
0	1	0	0	AI						CCS	
1	1	0	0	CCS				CCP	PAN	K	
0	0	1	0								
1	0	1	0					CCS	CCP		
0	1	1	0	D			AI	K	CCS	CCP	ADDRESS
1	1	1	0					AI		PAN	
0	0	0	1	PAN			CCS	D	AI		
1	0	0	1	CCS			K	PAN	CCP	AI	
0	1	0	1	K			CCP	PAN			
1	1	0	1	CCP			PAN	CCS	K		
0	0	1	1				D			AI	
1	0	1	1								
0	1	1	1	NULL	NULL		NULL	NULL	NULL	NULL	
1	1	1	1		PROG						

	Legend
🔑	Lock- release
📞	Audio
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, P4 programming = self-ignition, P1 = Doctor.

1. Set S2 DIP switches 6 to the combination 1.

» 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 13 and select a combination in which the desired/necessary functions are listed for the buttons you wish to program.
E.g.: for P4= self-ignition, P1 = Doctor, set S2 DIP switches 1-2-3-4 to the combination 0011 (P4=AI, P1=D).

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

» the lock-release LED 🔑 flashes 4 times.

» one confirmation tone is emitted.

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

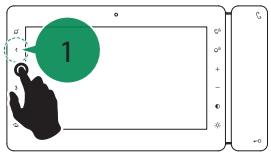
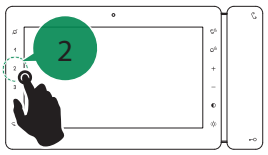
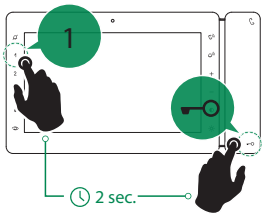
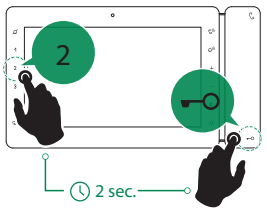
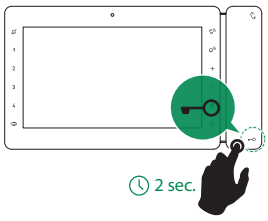
» the privacy LED 🔕 switches off.

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

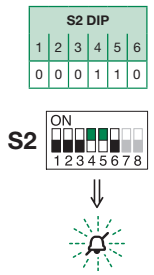
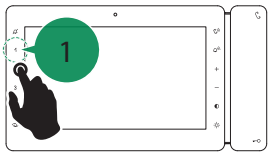
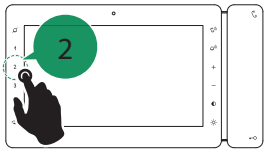
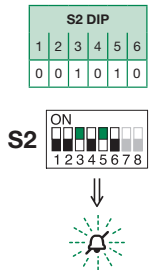
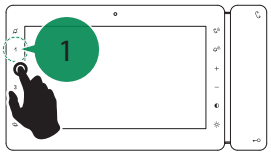
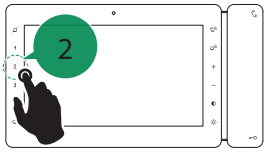
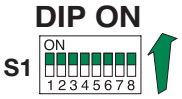
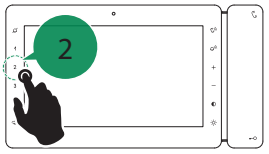
▶ Carry out steps 1 to 4

	1)	2)	3)		4)
Range minimum address	S1 ON 1 2 3 4 5 6 7 8 set code, **TAB. A on page 17**	S2 DIP: 1 2 3 4 5 6 / 0 0 0 0 1 0 S2 ON 1 2 3 4 5 6 7 8 ⇓		OK Prog. x4 KO Prog. x10	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 ⇓			

LED/alarm/lock-release/actuator programming

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

▶ Carry out steps 1 to 4

	1)	2)	3)		4)
Input IN 1- IN 2 ⟹ LED (default)*					
Input CFP2 - IN 1 ⟹ ALARM**					
Input CFP2 - IN 1 ⟹ LOCK-RELEASE**					
Input CFP2 - IN 1 ⟹ CODED ACTUATOR**	 set code, **TAB. A on page 17**				
Input CFP2 - IN 1 ⟹ GENERIC ACTUATOR**					

* See diagram "Using LED for various usages" on page 25.

** See diagram "Use of contact CFP2-IN1 as Alarm/Lock-Release/Actuator input" on page 25.

Changing monitor ringtones

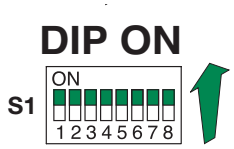
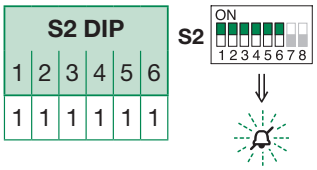
1. Keep the ⊸O button pressed until a confirmation tone is emitted (this operation is only possible with the system in stand-by; otherwise the signalling LED will flash to warn the user)
2. Press and release the ⊸O button:
   once (1 confirmation tone is emitted) to change the ringtone of calls from 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 ("CFP") call ringtone.
   Any further pressing of the ⊸O repeats the sequence described above.
3. Press and release button 1 to scroll through the various available ringtones in sequence.
4. Press button 2 to confirm selection of the last ringtone heard and to exit (at any time) the monitor ringtone change mode. On exiting the monitor ringtone selection mode a confirmation tone will be emitted.

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.
- Input IN 1 - IN 2 > LED (default).
- Doctor, Privacy and Hands Free functions disabled.

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

1)	2)	3)
		

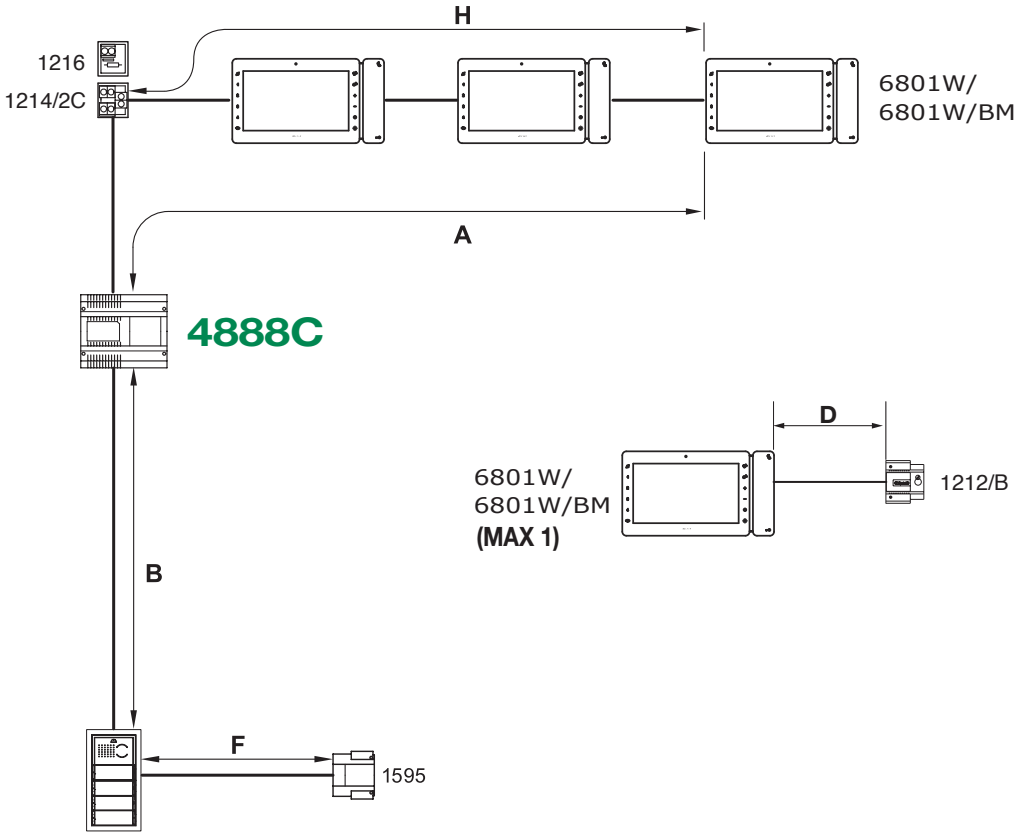
Riser addresses

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

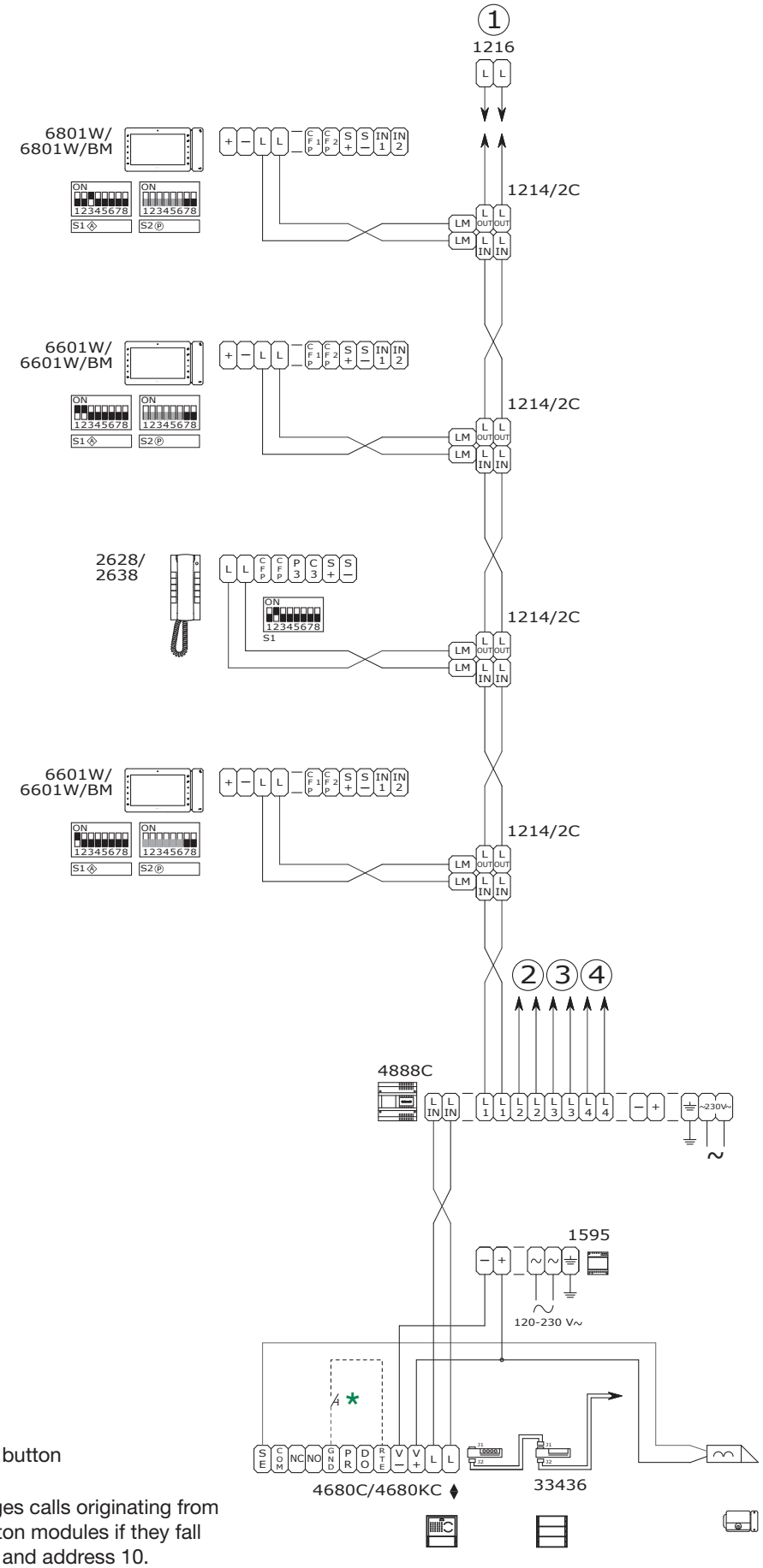
The total number of internal units with the same user code and call repetition devices (additional ringtone Art. 1229 or 1229A) connected to these internal units cannot exceed 4 (with max 2 main internal units + 1 separately powered main internal unit). Connect only one call repetition device for each internal unit.



	A MAX	B MAX	F MAX	H MAX	D 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)	100 m (328 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)	10 m (32,5 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)	25 m (82 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)	50 m (164 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)	100 m (328 feet)
2,5 mm2 (Ø 1,8 mm AWG 13)			100 m (330 feet)		

Wiring diagrams with Art. 4888C

System with 1 Ikall Series video port

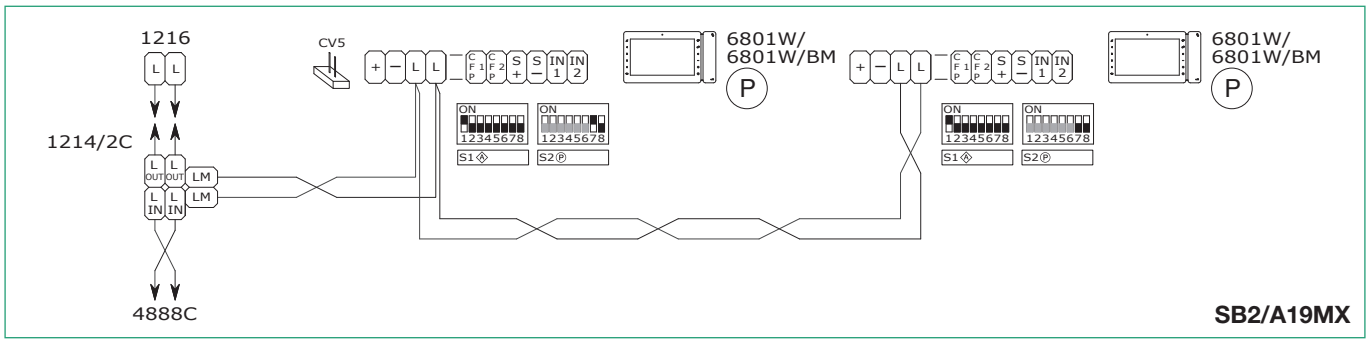


* Local door-opener button

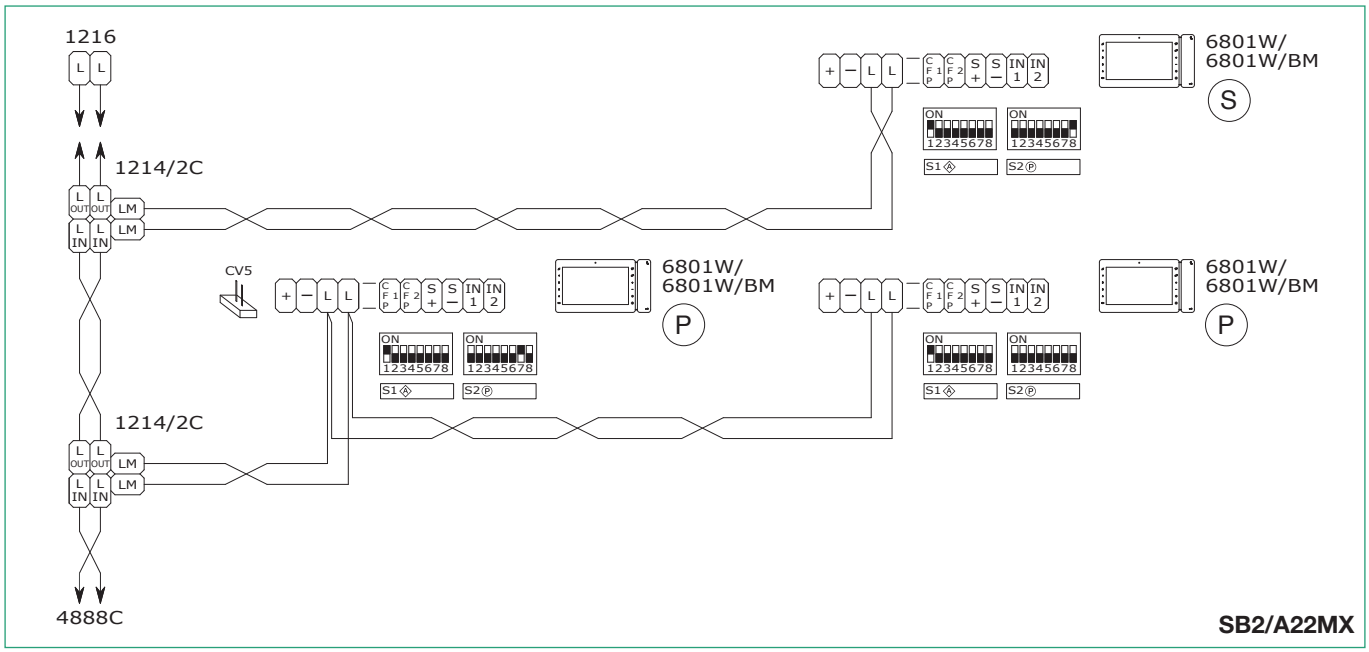
♦ Art. 4680KC manages calls originating from ONLY digital or button modules if they fall between address 1 and address 10.

SB2V/039MXIC

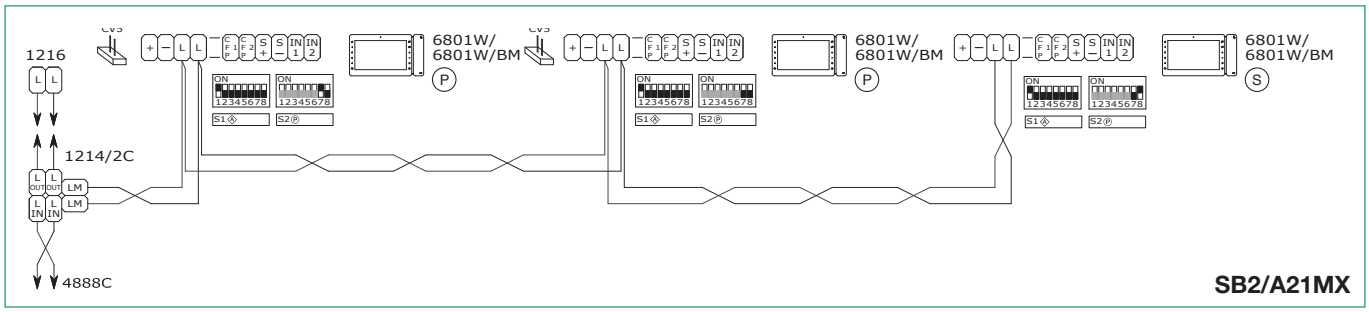
Cascade connection of 2 main monitors powered by mixer Art. 4888C



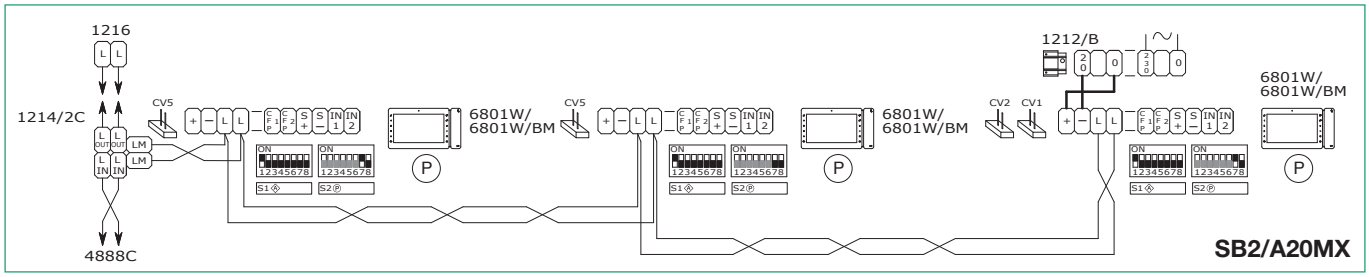
Branch connection of 2 main monitors and 1 secondary monitor with the same user code (in systems with Art. 4888C)



Cascade connection of 2 main monitors and 1 secondary monitor with the same user code (in systems with Art. 4888C)

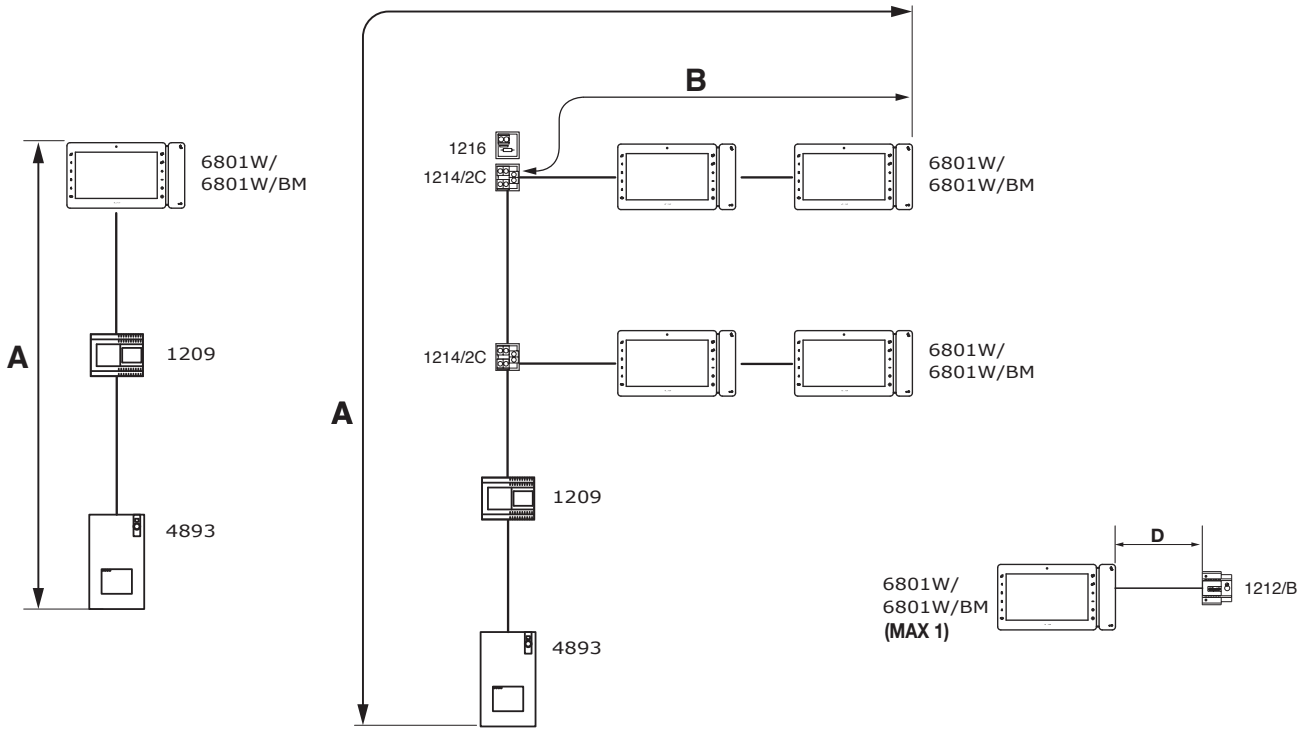


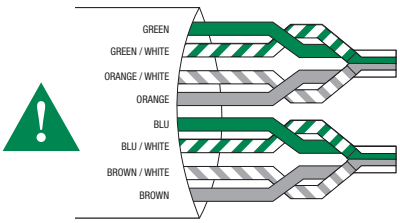
Connection of main monitor with local power supply



Operating distances with KIT 8461X

The total sum of internal units with the same user code and of call repetition devices (additional ringtone Art. 1229 or 1229A) connected to these internal units must not exceed 4, with a maximum 1 main internal unit (+ 1 separately powered main internal unit).
Connect only one call repetition device for each internal unit.

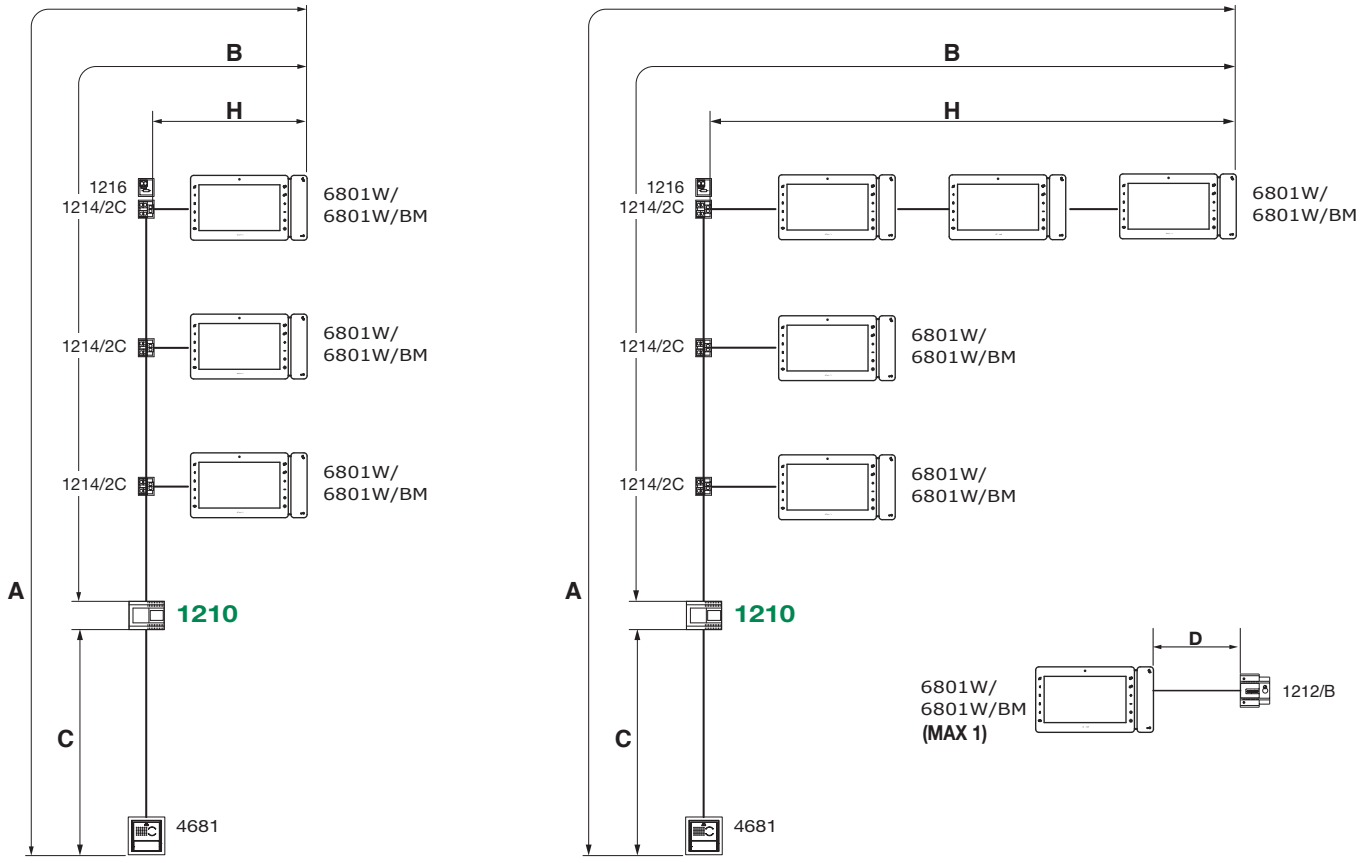


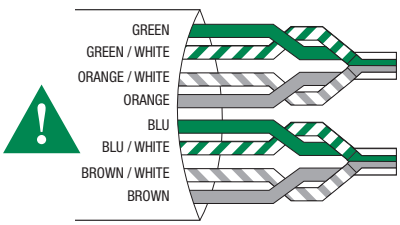
	A MAX	B MAX	D MAX
Comelit Art. 4577/4579 1 mm2 (Ø 1,2 mm AWG 17)	200 m (655 feet)	100 m (330 feet)	100 m (328 feet)
UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24)	100 m (330 feet)	60 m (195 feet)	
0,28 mm2 (Ø 0,6 mm AWG 23)	100 m (330 feet)	60 m (195 feet)	10 m (32,5 feet)
0,5 mm2 (Ø 0,8 mm AWG 20)	100 m (330 feet)	60 m (195 feet)	25 m (82 feet)
1 mm2 (Ø 1,2 mm AWG 17)	100 m (330 feet)	60 m (195 feet)	50 m (164 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)	100 m (328 feet)
*UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24) MULTI PAIR CABLE 	120 m (390 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 sum of internal units with the same user code and of call repetition devices (additional ringtone Art. 1229 or 1229A) connected to these internal units must not exceed 4, with a maximum 1 main internal unit (+ 1 separately powered main internal unit).
Connect only one call repetition device for each internal unit.

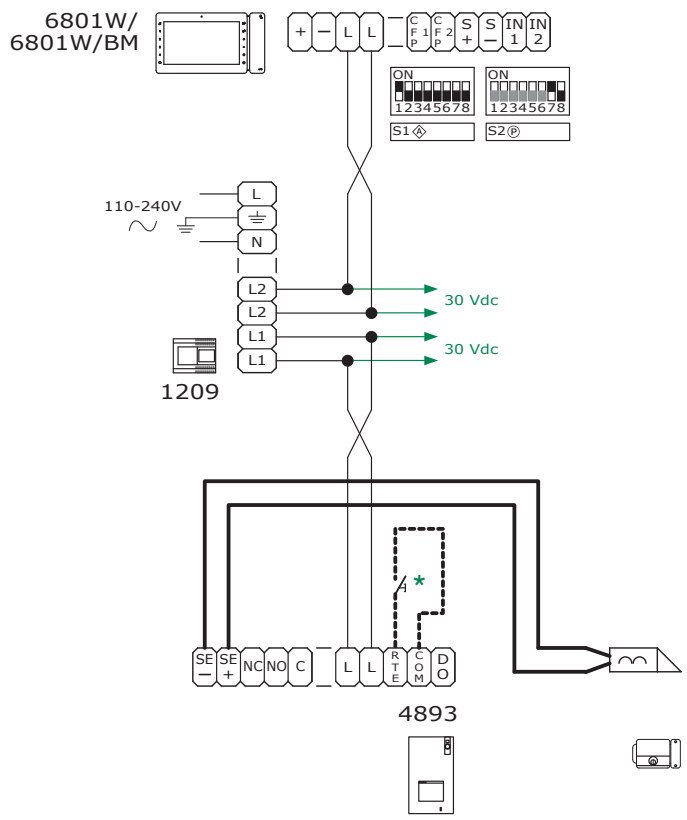


	A MAX	B MAX	C MAX	H MAX	D MAX	Art. 1216
Comelit Art. 4577/4579 1 mm2 (Ø 1,2 mm AWG 17)	260 m (850 feet)	130 m (425 feet)	130 m (425 feet)	50 m (164 feet)	100 m (328 feet)	
UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24)	80 m (260 feet)	40 m (130 feet)	40 m (130 feet)	30 m (98 feet)		
0,28 mm2 (Ø 0,6 mm AWG 23)	100 m (328 feet)	50 m (164 feet)	50 m (164 feet)	30 m (98 feet)	10 m (32,5 feet)	
0,5 mm2 (Ø 0,8 mm AWG 20)	140 m (460 feet)	70 m (230 feet)	70 m (230 feet)	30 m (98 feet)	25 m (82 feet)	
1 mm2 (Ø 1,2 mm AWG 17)	200 m (656 feet)	100 m (328 feet)	100 m (328 feet)	40 m (130 feet)	50 m (164 feet)	
1,5 mm2 (Ø 1,4 mm AWG 15)	80 m (260 feet)	40 m (130 feet)	40 m (130 feet)	30 m (98 feet)	100 m (328 feet)	
*UTP5 cat. 5 0,2 mm2 (Ø 0,5 mm AWG 24) MULTI PAIR CABLE 	260 m (850 feet)	130 m (425 feet)	130 m (425 feet)	50 m (164 feet)		

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

Wiring diagrams with KIT 8461X and Art.1210

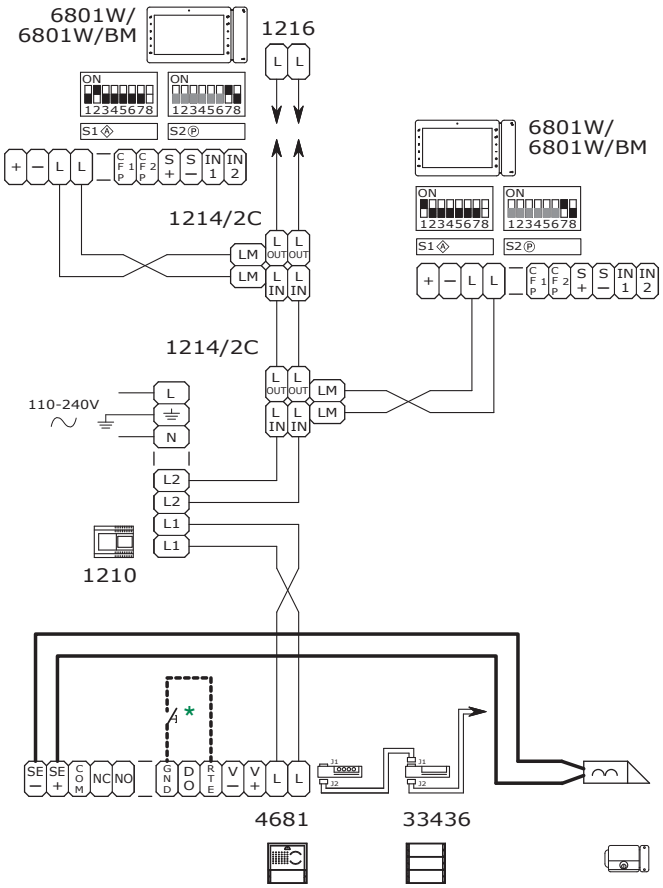
KIT 8461X: standard single-family system



* Local door-opener button

MXK/039QC

System with Art. 1210

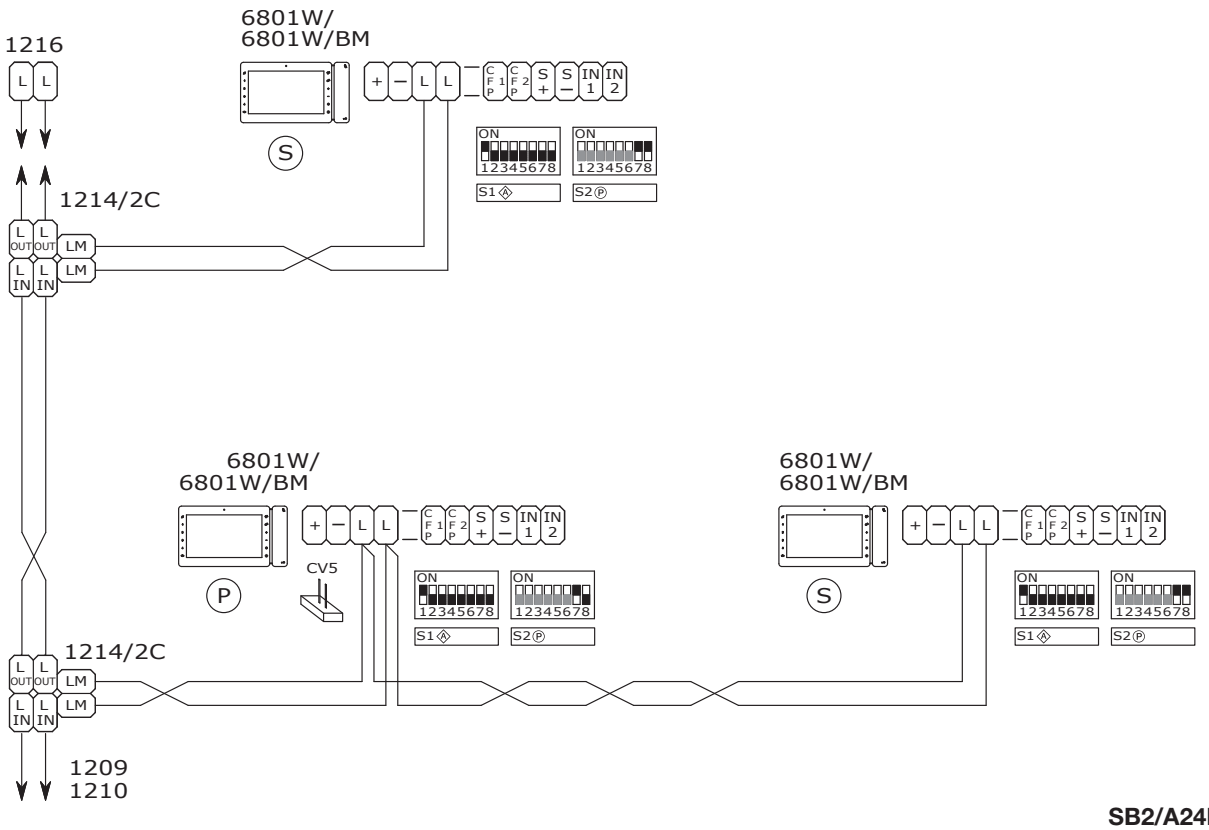


* Local door-opener button

⁜ Max. 5 modules.
For configurations other than those indicated in the diagram, please refer to the "CONSUMPTION TABLE" in the full manual for Art. 4681.

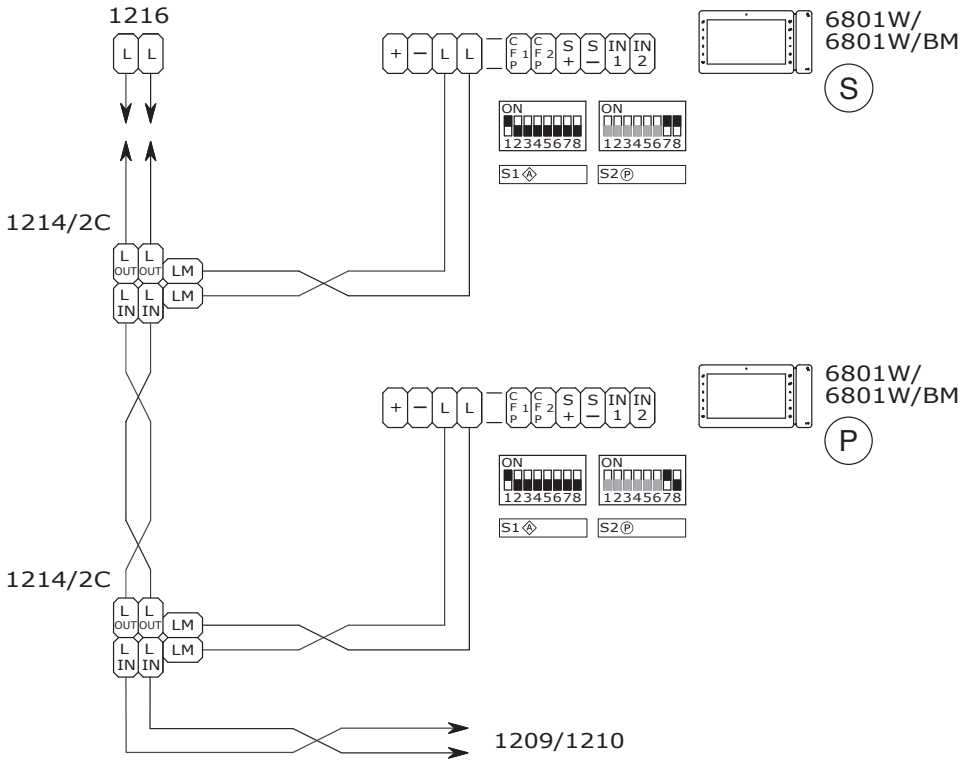
S2W/001IMX

KIT 8461X or system with Art. 1210: secondary monitor in branch or cascade connection



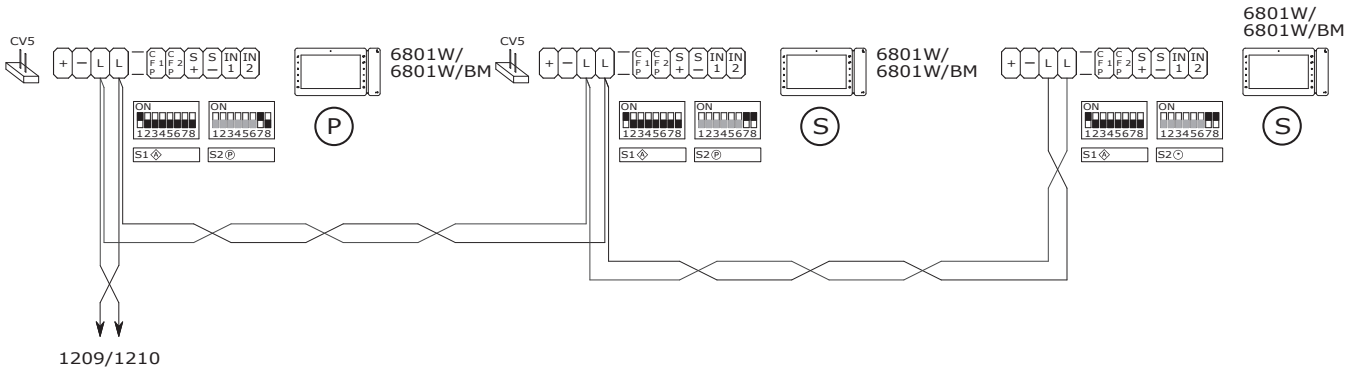
SB2/A24MXA

KIT 8461X or system with Art. 1210: secondary monitor in branch connection



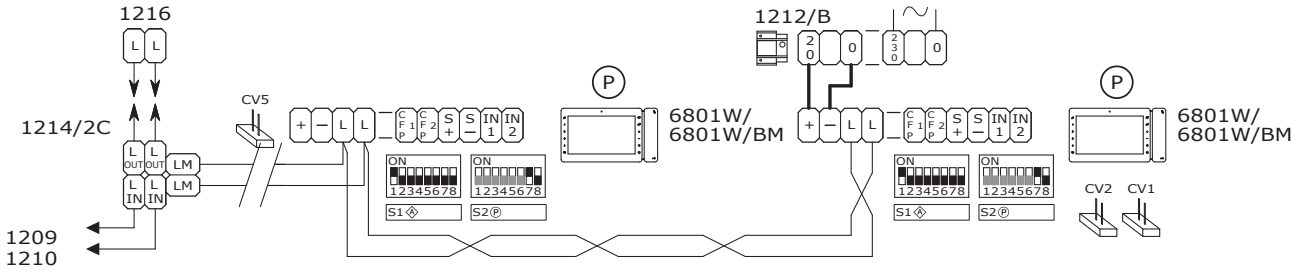
SB2/A24MX

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



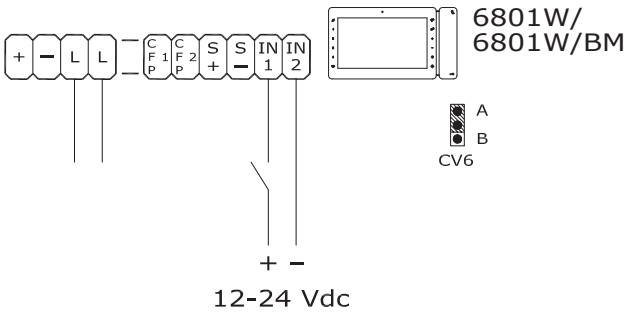
SB2/A23MX

Connection of main monitor with local power supply



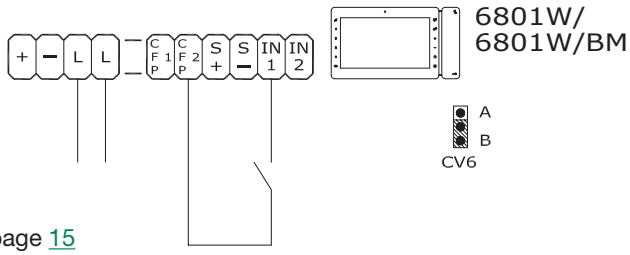
SB2/A19MXB

Using LED for various usages



The Privacy active/system busy LED flashes in the event of a signal on this terminal.

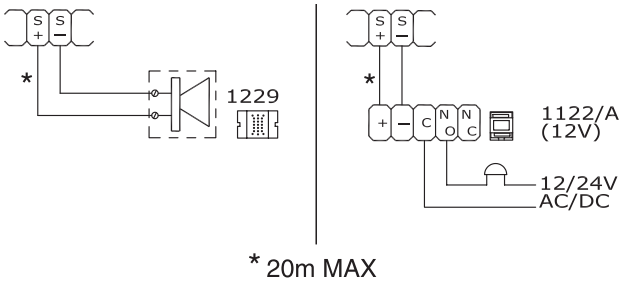
Use of contact CFP2-IN1 as Alarm/Lock-Release/ Actuator input



Input to be programmed, see page 15

Connection of call repetition devices (Art. 1229 or Art. 1122/A)

Connect only one call repetition device for each user code. If inductive loads are connected, the insertion of a 470nF capacitor in parallel with the C-NO contacts of Art. 1122/A is recommended



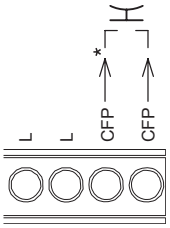
* 20m MAX

SB2V/AAK

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).



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