

Terraneo New audio and video door entry systems



Contents

2	Index of catalogue numbers
	General features
5	New Terraneo audio and video door entry systems
7	Catalogue rationalisation
9	Two types of system: analogue and digital
11	Fast and simple connections
12	Analogue and digital audio door entry system
13	Analogue and digital video door entry system
	Catalogue
14	Sfera modular series outdoor stations
17	Sfera single-plate series outdoor stations
21	Pivot series audio and video indoor stations
22	Audio and video switchboard
23	Sprint series audio and video indoor stations
24	Pivot series indoor stations and Multibox multipurpose boxes
25	Power supply units and common accessories
26	Accessories for analogue systems
27	Accessories for digital systems
28	Audio and video kits
	Wiring diagrams
30	Analogue system - Single-occupancy audio installation
31	Analogue system - Single-occupancy video installation
32	Digital system - Multiple-occupancy audio installation
33	Digital system - Multiple-occupancy video installation
	Tables for preparing estimates
34	Analogue audio system with modular front covers and Basic chassis
35	Analogue video system with modular front covers and Basic chassis
36	Digital audio system with modular front covers and Basic chassis
37	Digital video system with modular front covers and Basic chassis

Terraneo

Item N°	Description	Page	Sales unit	Pack.
331130	3 module box + chassis	14 - 17	5	1
331211	1-module surround plate - Allmetal	16 - 20	5	1
331212	1-module surround plate - White	16 - 20	1	1
331213	1-module surround plate - Alugray	16 - 20	1	1
331216	1-module surround plate - Dark Ocher	16 - 20	1	1
331217	1-module surround plate - Green Wagon	16 - 20	1	1
331218	1-module surround plate - Red Mondrian	16 - 20	1	1
331219	1-module surround plate - Blue Rietveld	16 - 20	1	1
331221	2-module surround plate - Allmetal	16 - 20	5	1
331222	2-module surround plate - White	16 - 20	1	1
331223	2-module surround plate - Alugray	16 - 20	1	1
331226	2-module surround plate - Dark Ocher	16 - 20	1	1
331227	2-module surround plate - Green Wagon	16 - 20	1	1
331228	2-module surround plate - Red Mondrian	16 - 20	1	1
331229	2-module surround plate - Blue Rietveld	16 - 20	1	1
331231	3-module surround plate - Allmetal	16 - 20	5	1
331232	3-module surround plate - White	16 - 20	1	1
331233	3-module surround plate - Alugray	16 - 20	1	1
331236	3-module surround plate - Dark Ocher	16 - 20	1	1
331237	3-module surround plate - Green Wagon	16 - 20	1	1
331238	3-module surround plate - Red Mondrian	16 - 20	1	1
331239	3-module surround plate - Blue Rietveld	16 - 20	1	1
331311	1-module surface mounting box + chassis - Allmetal	15 - 18	2	1
331321	2-module surface mounting box + chassis - Allmetal	15 - 18	2	1
331331	3-module surface mounting box + chassis - Allmetal	15 - 18	1	1
331341	4-module surface mounting box + chassis - Allmetal	15 - 18	1	1
331361	6-module surface mounting box + chassis - Allmetal	15 - 18	1	1
331391	9-module surface mounting box + chassis - Allmetal	15 - 18	1	1
331411	1-module rainshield - Allmetal	15	1	1
331421	2-module rainshield - Allmetal	15	1	1
331431	3-module rainshield - Allmetal	15	1	1
331441	4-module rainshield - Allmetal	15	1	1
331461	6-module rainshield - Allmetal	15	1	1
331491	9-module rainshield - Allmetal	15	1	1
331711	1-module box + surround plate/chassis - Allmetal	14	5	1
331721	2-module box + surround plate/chassis - Allmetal	14	5	1
331731	3-module box + surround plate/chassis - Allmetal	14	5	1
332101	speaker unit front cover Allmetal	16 - 20	10	1
332102	speaker unit front cover White	16 - 20	10	1
332103	speaker unit front cover Alugray	16 - 20	1	1
332106	speaker unit front cover Dark Ocher	16 - 20	1	1
332107	speaker unit front cover Green Wagon	16 - 20	1	1
332108	speaker unit front cover Red Mondrian	16 - 20	1	1
332109	speaker unit front cover Blue Rietveld	16 - 20	1	1
332111	1-pushbutton speaker unit front cover - Allmetal	16 - 20	10	1
332112	1-pushbutton speaker unit front cover - White	16 - 20	10	1
332113	1-pushbutton speaker unit front cover - Alugray	16 - 20	1	1
332116	1-pushbutton speaker unit front cover - Dark Ocher	16 - 20	1	1
332117	1-pushbutton speaker unit front cover - Green Wagon	16 - 20	1	1
332118	1-pushbutton speaker unit front cover - Red Mondrian	16 - 20	1	1
332119	1-pushbutton speaker unit front cover - Blue Rietveld	16 - 20	1	1
332120	2-pushbutton analogue speaker unit module	15 - 18	5	1
332121	2-pushbutton speaker unit front cover - Allmetal	16 - 20	10	1
332122	2-pushbutton speaker unit front cover - White	16 - 20	10	1
332123	2-pushbutton speaker unit front cover - Alugray	16 - 20	1	1
332126	2-pushbutton speaker unit front cover - Dark Ocher	16 - 20	1	1
332127	2-pushbutton speaker unit front cover - Green Wagon	16 - 20	1	1
332128	2-pushbutton speaker unit front cover - Red Mondrian	16 - 20	1	1
332129	2-pushbutton speaker unit front cover - Blue Rietveld	16 - 20	1	1
332200	analogue name-plate module	15 - 18	5	1
332201	name-plate front cover - Allmetal	16 - 20	10	1
332202	name-plate front cover - White	16 - 20	10	1
332203	name-plate front cover - Alugray	16 - 20	1	1
332206	name-plate front cover - Dark Ocher	16 - 20	1	1
332207	name-plate front cover - Green Wagon	16 - 20	1	1
332208	name-plate front cover - Red Mondrian	16 - 20	1	1
332209	name-plate front cover - Blue Rietveld	16 - 20	1	1

Item N°	Description	Page	Sales unit	Pack.
332231	3-pushbutton front cover - Allmetal	16 - 20	10	1
332232	3-pushbutton front cover - White	16 - 20	10	1
332233	3-pushbutton front cover - Alugray	16 - 20	1	1
332236	3-pushbutton front cover - Dark Ocher	16 - 20	1	1
332237	3-pushbutton front cover - Green Wagon	16 - 20	1	1
332238	3-pushbutton front cover - Red Mondrian	16 - 20	1	1
332239	3-pushbutton front cover - Blue Rietveld	16 - 20	1	1
332240	4-pushbutton analogue module	15 - 18	5	1
332241	4-pushbutton front cover - Allmetal	16 - 20	10	1
332242	4-pushbutton front cover - White	16 - 20	10	1
332243	4-pushbutton front cover - Alugray	16 - 20	1	1
332246	4-pushbutton front cover - Dark Ocher	16 - 20	1	1
332247	4-pushbutton front cover - Green Wagon	16 - 20	1	1
332248	4-pushbutton front cover - Red Mondrian	16 - 20	1	1
332249	4-pushbutton front cover - Blue Rietveld	16 - 20	1	1
332321	2-pushbutton (1 line) speaker unit front cover - Allmetal	16 - 20	1	1
332340	4-pushbutton (2 lines) analogue speaker unit module	15 - 18	1	1
332341	4-pushbutton (2 lines) speaker unit front cover - Allmetal	16 - 20	1	1
332461	8-pushbutton (2 lines) front cover - Allmetal	16 - 20	1	1
332480	8-pushbutton (2 lines) analogue module	15 - 18	1	1
332481	6-pushbutton (2 lines) front cover - Allmetal	16 - 20	1	1
332500	camera unit	15 - 18	1	1
332501	camera front cover - Allmetal	16 - 20	10	1
332502	camera front cover - White	16 - 20	1	1
332503	camera front cover - Alugray	16 - 20	1	1
332506	camera front cover - Dark Ocher	16 - 20	1	1
332507	camera front cover - Green Wagon	16 - 20	1	1
332508	camera front cover - Red Mondrian	16 - 20	1	1
332509	camera front cover - Blue Rietveld	16 - 20	1	1
332540	separate camera unit	15 - 18	1	1
332601	alphanumeric keypad front cover - Allmetal	16 - 20	1	1
332602	alphanumeric keypad front cover - White	16 - 20	1	1
332603	alphanumeric keypad front cover - Alugray	16 - 20	1	1
332606	alphanumeric keypad front cover - Dark Ocher	16 - 20	1	1
332607	alphanumeric keypad front cover - Green Wagon	16 - 20	1	1
332608	alphanumeric keypad front cover - Red Mondrian	16 - 20	1	1
332609	alphanumeric keypad front cover - Blue Rietveld	16 - 20	1	1
332650	code lock module	15 - 18	1	1
332651	code lock front cover - Allmetal	16 - 20	1	1
332652	code lock front cover - White	16 - 20	1	1
332653	code lock front cover - Alugray	16 - 20	1	1
332656	code lock front cover - Dark Ocher	16 - 20	1	1
332657	code lock front cover - Green Wagon	16 - 20	1	1
332658	code lock front cover - Red Mondrian	16 - 20	1	1
332659	code lock front cover - Blue Rietveld	16 - 20	1	1
332911	blanking module - Allmetal	16 - 20	5	1
332912	blanking module - White	16 - 20	5	1
332913	blanking module - Alugray	16 - 20	1	1
332916	blanking module - Dark Ocher	16 - 20	1	1
332917	blanking module - Green Wagon	16 - 20	1	1
332918	blanking module - Red Mondrian	16 - 20	1	1
332919	blanking module - Blue Rietveld	16 - 20	1	1
332930	differentiated tone generator	26	1	1
332951	solid front cover - Allmetal	16 - 20	10	1
332952	solid front cover - White	16 - 20	10	1
332953	solid front cover - Alugray	16 - 20	1	1
332956	solid front cover - Dark Ocher	16 - 20	1	1
332957	solid front cover - Green Wagon	16 - 20	1	1
332958	solid front cover - Red Mondrian	16 - 20	1	1
332959	solid front cover - Blue Rietveld	16 - 20	1	1
332970	tone generator	26	1	1
333014	1-module solid single-plate front - Allsteel	19	1	1
333015	1-module solid single-plate front - Allbrass	19	1	1
333024	2-module solid single-plate front - Allsteel	19	1	1
333025	2-module solid single-plate front - Allbrass	19	1	1
333034	3-module solid single-plate front - Allsteel	19	1	1
333035	3-module solid single-plate front - Allbrass	19	1	1

Item N°	Description	Page	Sales unit	Pack.
333104	single-plate front cover for speaker 10 pushbutt. - Allsteel	18	1	1
333105	single-plate front cover for speaker 10 pushbutt. - Allbrass	18	1	1
333114	single-plate front cover for speaker 1 pushbutton - Allsteel	19	1	1
333115	single-plate front cover for speaker 1 pushbutton - Allbrass	19	1	1
333124	single-plate front cover for speaker 2 pushbutt. - Allsteel	19	1	1
333125	single-plate front cover for speaker 2 pushbutt. - Allbrass	19	1	1
333134	single-plate front cover for speaker 3 pushbutt. - Allsteel	19	1	1
333135	single-plate front cover for speaker 3 pushbutt. - Allbrass	19	1	1
333144	single-plate front cover for speaker 4 pushbutt. - Allsteel	19	1	1
333145	single-plate front cover for speaker 4 pushbutt. - Allbrass	19	1	1
333164	single-plate front cover for speaker 6 pushbutt. - Allsteel	19	1	1
333165	single-plate front cover for speaker 6 pushbutt. - Allbrass	19	1	1
333184	single-plate front cover for speaker 8 pushbutt. - Allsteel	18	1	1
333185	single-plate front cover for speaker 8 pushbutt. - Allbrass	18	1	1
333204	single-plate front cover with 12 pushbuttons - Allsteel	18	1	1
333205	single-plate front cover with 12 pushbuttons - Allbrass	18	1	1
333284	single-plate front cover with 8 pushbuttons - Allsteel	18	1	1
333285	single-plate front cover with 8 pushbuttons - Allbrass	18	1	1
333514	single-plate front cover for speaker, camera 1 p.b. - Allsteel	19	1	1
333515	single-plate front cover for speaker, camera 1 p.b. - Allbrass	19	1	1
333524	single-plate front cover for speaker, camera 2 p.b. - Allsteel	19	1	1
333525	single-plate front cover for speaker, camera 2 p.b. - Allbrass	19	1	1
333534	single-plate front cover for speaker, camera 3 p.b. - Allsteel	18	1	1
333535	single-plate front cover for speaker, camera 3 p.b. - Allbrass	18	1	1
333544	single-plate front cover for speaker, camera 4 p.b. - Allsteel	18	1	1
333545	single-plate front cover for speaker, camera 4 p.b. - Allbrass	18	1	1
333564	single-plate front cover for speaker, camera 6 p.b. - Allsteel	18	1	1
333565	single-plate front cover for speaker, camera 6 p.b. - Allbrass	18	1	1
333614	1-module single-plate front cover for code lock - Allsteel	19	1	1
333615	1-module single-plate front cover for code lock - Allbrass	19	1	1
333624	2-module single-plate front cover for code lock - Allsteel	19	1	1
333625	2-module single-plate front cover for code lock - Allbrass	19	1	1
333634	3-module single-plate front cover for code lock - Allsteel	19	1	1
333635	3-module single-plate front cover for code lock - Allbrass	19	1	1
333724	single-plate front cover for speaker and keypad - Allsteel	18	1	1
333725	single-plate front cover for speaker and keypad - Allbrass	18	1	1
333734	single-plate front cover - speaker, camera, keypad - Allsteel	18	1	1
333735	single-plate front cover - speaker, camera, keypad - Allbrass	18	1	1
334002	Pivot audio door entry set with bracket - white	22	10	1
334102	Pivot video door entry set with bracket - white	21	1	1
334202	Sprint audio door entry set - white	23	10	1
334302	Sprint video door entry set - white	23	1	1
334402	Pivot video unit for central switchboard set - white	22	1	1
336000	audio analogue power supply unit	25	10	1
336010	digital system and video analogue power supply unit	25	1	1
336200	intercommunication relay	25	5	1
336210	2 speaker unit relay	26	1	1
336220	auxiliary relay	26	1	1
336230	starecase lighting relay	26	1	1
336300	card for system with conversation secrecy	26	1	1
336310	door lock control relay	26	1	1
336320	camera accessory for analogue systems	26	5	1
336802	filter	26	1	1
336803	cable for audio-video sets (2 m)	21	1	1
336810	video distribution block	26	5	1
336820	audio/video/services analogue distribution block	25 - 26	1	1
336830	3 tone call generator	26	1	1
336842	transformer 230/12V 18 VA	25	10	10
336900	8 conductor cable - 100m	27	1	1
336901	8 conductor cable - 500m	27	1	1
336902	kit for flush mounting Pivot audio door entry set	24	1	1
336910	additional bell	25	5	1
336920	analogue speaker unit	26	5	1
336922	kit for flush mounting Pivot video door entry set	24	1	1
336950	wiring tester	25	1	1
336964	4 pole plug-in connector	25	2	2
336968	8 pole plug-in connector	25	2	2
336982	8 way socket outlet. Light series	21 - 22 - 23	1	1

Item N°	Description	Page	Sales unit	Pack.
336983	8 way socket outlet. Living int. series	21 - 22 - 23	1	1
337102	Pivot - table-top base 70 mm - white	21	1	1
337122	Pivot - table-top base 210 mm - white	21	1	1
337140	Pivot - metal bracket 70 mm	21	1	1
337160	Pivot - metal bracket 210 mm	21	1	1
337202	table-top base with cable for Sprint audio door entry set	23	5	1
337212	surface mounting base for Sprint video door entry set - white	23	1	1
337400	call exclusion switch + LED for Sprint audio door entry set	23	5	1
337410	secrecy card for Sprint audio door entry set	23	5	1
337411	intercom card for Sprint audio door entry set	23	1	1
337430	additional pushbutton for Sprint audio door entry set	23	10	1
337440	signalisation LED for Sprint audio door entry set	23	10	1
337500	call exclusion switch + LED for Pivot	21	5	1
337512	set of 4 extra pushbuttons for Pivot	21	5	1
337530	3 tone call card for Pivot	21	1	1
337542	set of 2 pushbuttons + 2 LED for Pivot	21	5	1
342120	2 pushbutton digital speaker unit module	21	1	1
342200	digital name-plate module	15 - 18	1	1
342240	4 pushbutton digital module	15 - 18	1	1
342480	8 pushbutton (2 lines) digital module	15 - 18	5	1
342600	alphanumeric digital keypad module	15 - 18	1	1
342610	numeric digital keypad module	15 - 18	1	1
344002	Pivot audio central switchboard set - white	15 - 18	1	1
346100	video digital riser distribution block	21	1	1
346120	audio digital floor distribution block	27	1	1
346130	video digital floor distribution block	27	1	1
346140	passive distribution block	27	1	1
346200	digital timer relay	27	1	1
346220	relay for several digital video outdoors	27	1	1
346902	connection cable for pushbuttons modul - 470 mm	27	1	1
346903	extension connector for pushbutton panels	27	1	1
346910	configurators n° 0 (pack of 10)	27	1	1
346911	configurators n° 1 (pack of 10)	27	1	1
346912	configurators n° 2 (pack of 10)	27	1	1
346913	configurators n° 3 (pack of 10)	27	1	1
346914	configurators n° 4 (pack of 10)	27	1	1
346915	configurators n° 5 (pack of 10)	27	1	1
346916	configurators n° 6 (pack of 10)	27	1	1
346917	configurators n° 7 (pack of 10)	27	1	1
346918	configurators n° 8 (pack of 10)	27	1	1
346919	configurators n° 9 (pack of 10)	27	1	1
346960	video mixer for several digital outdoor stations	27	1	1
346980	digital distribution block for several independent risers	27	1	1
362411	one-way audio kit Pivot/Sfera modular	28	1	1
362421	two-way audio kit Pivot/Sfera modular	28	1	1
362511	one-way video kit Pivot/Sfera modular	28	1	1
362521	two-way video kit Pivot/Sfera modular	28	1	1
363111	one-way audio kit Sprint/Linea 1000	28	1	1
363121	two-way audio kit Sprint/Linea 1000	28	1	1
391601	black-and-white ccd camera	25	1	1
391003	3.5 mm automatic iris lens	25	1	1
391604	12 mm automatic iris lens	25	1	1
391005	18 mm automatic iris lens	25	1	1
391007	2.6 mm manual iris lens	25	1	1
391608	4 mm manual iris lens	25	1	1
391009	8 mm manual iris lens	25	1	1
391201	swivel bracket for camera	25	1	1
391203	bracket for camera housing	25	1	1
391301	camera housing	25	1	1
CK2	2 WIRES - audiokit	29	1	1
PICK2	Additional internal unit	29	1	1
VK 2A	2 WIRES - videokit	29	1	1
VK 2M	2 WIRES - videokit with zoom	29	1	1
40.50N	Additional sounder	29	1	1
40.91	Control relay with timer	29	1	1
40.92	Auxiliary relay	29	1	1
306962	wall outlet Light	21-22-23	1	1
306963	configuration set	27	1	1



Sfera modular



New Terraneo audio and video door entry systems

The Terraneo range of equipment for audio and video door entry systems has been completely updated with a new series of devices whose appearance and functions will meet a wide variety of requirements in terms of system size and performance:

- **products for different types of installation**
the systems that can be set up have technical and functional features which meet all installation requirements with regard to project size and level of functions; from single occupancy to dual occupancy systems, from apartment buildings to apartment hotels;
- **new look**
the rounded lines of Sfera outdoor pushbutton panels and the new design of Sprint and Pivot door

entry systems are the result of a careful analysis of market requirements in terms of appearance;

- **catalogue rationalisation**
the number of item codes has been significantly decreased without reducing the number of functions; the indoor stations and finish of the outdoor pushbutton panels are the same, regardless of whether the system to be set up is analogue or digital;
- **simple installation**
pull-out connection terminals, fast and simple configuration of digital equipment and terminal referencing common to all equipment, are just some of the solutions adopted to reduce installation and maintenance time.





Sfera single-plate

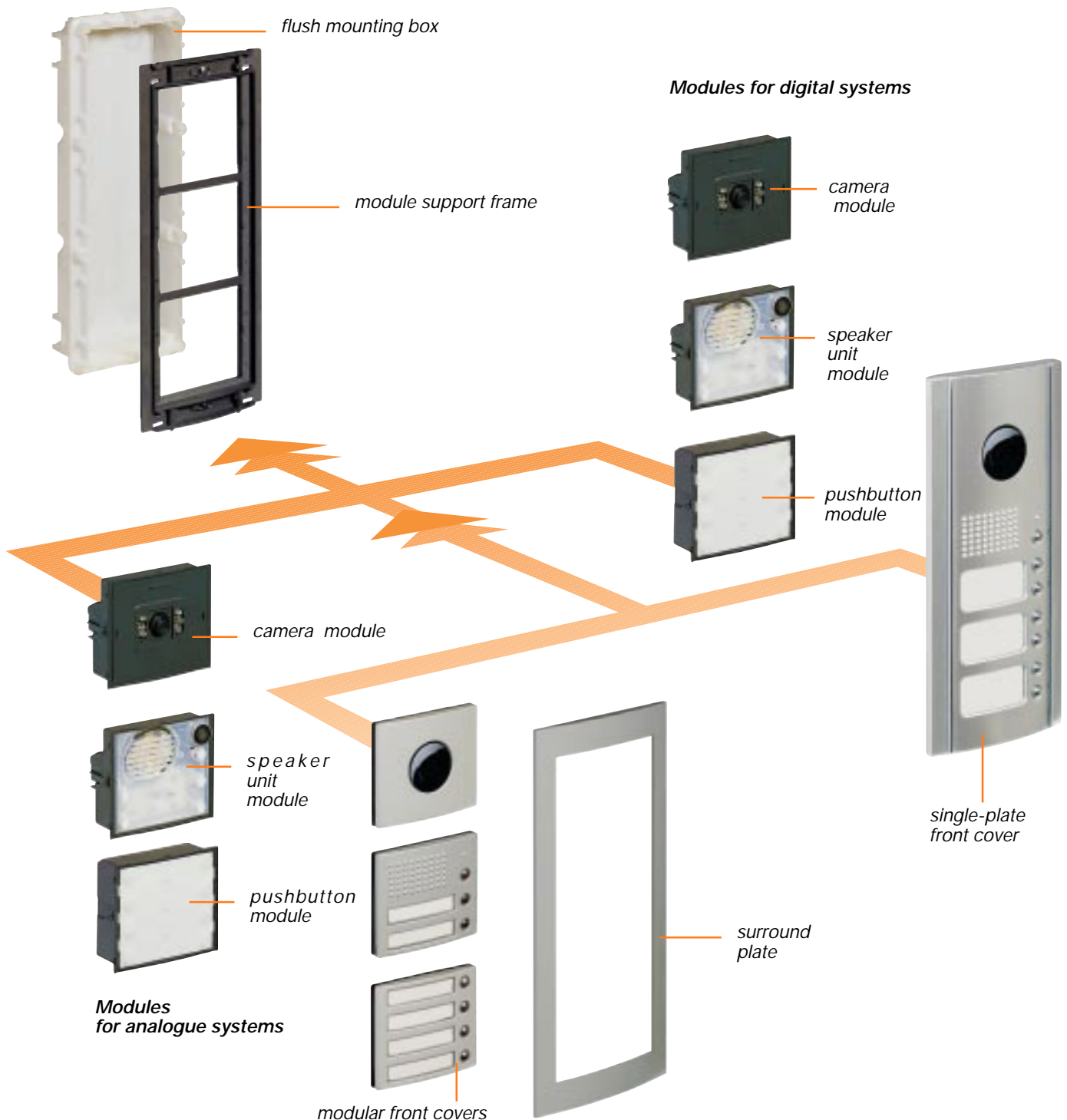
Catalogue rationalisation

The range of equipment available has been rationalised so that a variety of systems can be set up with very few catalogue numbers:

- **just two power supply units**
the catalogue includes just 2 power supply units for all analogue and digital systems;

- **common indoor stations**
Sprint and Pivot audio and video door entry sets are always the same for all installations;

- **two types of system, but with the same look**
Sfera single-plate and modular pushbutton panels may be installed in both analogue and digital systems, by simply selecting the specific function modules.





Pivot video set - flush mounted

Two types of system: analogue and digital

Using specific equipment, two types of system can be set up, with different operating logic: analogue and digital.

In an analogue system, the number of wires varies according to the number of users. There are 4 wires for audio systems, and 7 wires for video systems, plus one wire for each call pushbutton.

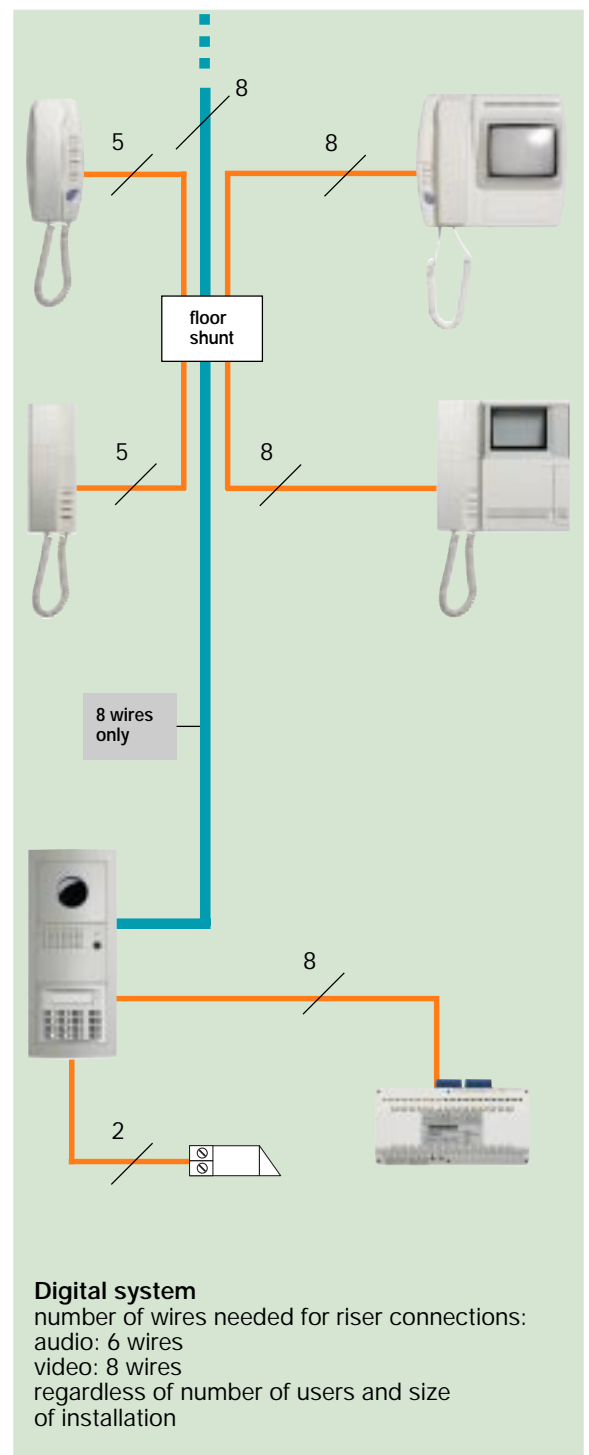
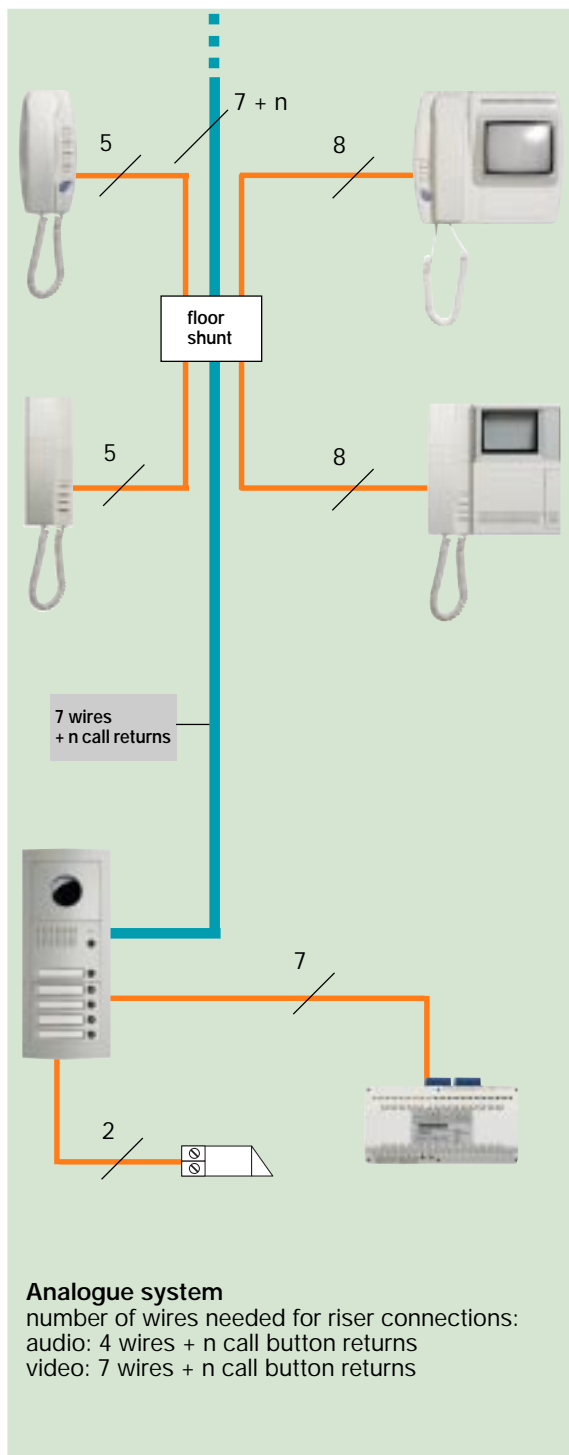
In a digital system, connection between the outdoor and indoor stations is always by means of 6 wires for audio only and 8 wires for video, regardless of the number of call pushbuttons.

This is because the call is sent via an address code which can only be identified by a properly configured indoor station.

It is therefore appropriate to use an analogue system for medium/small installations and a digital system, with simple wiring, for more complex installations.

Audio and video sets are nevertheless common to both types of system.

In addition, in all systems, the video signal is distributed via twisted cable.





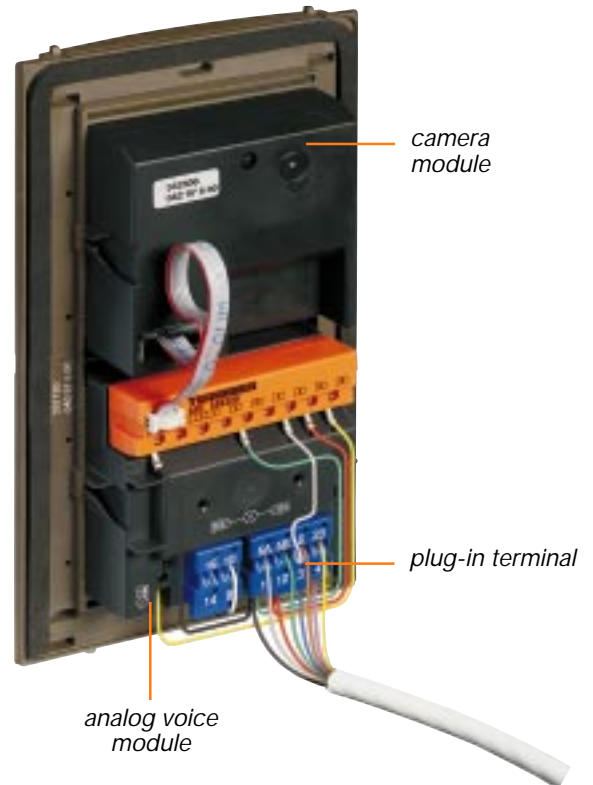
Sprint audio set - surface mounted

Fast and simple connections

Digital and analogue systems

Numerous technical solutions have been adopted to allow fast and simple system installation and to reduce the possibility of connection errors:

- **plug-in terminals**
equipment connection by means of plug-in terminals means that the system can be prewired and the devices installed when work is completed. With these plug-in terminals, replacement of a device or isolation of the system for testing purposes can be carried out very quickly.
- **wiring tester**
this is a very useful tool which allows one person to check that the wiring is correct, signalling any inversions or breaks in the wires, short-circuited wires or incorrect call addresses;
- **no coaxial cable**
the video signal in video door entry systems is distributed by means of a pair of twisted cables, so avoiding the problems associated with the use of coaxial cable.
- **identical referencing of all connection terminals**
referencing of terminal connections is the same, whatever of the type of device, so reducing the possibility of connection errors.



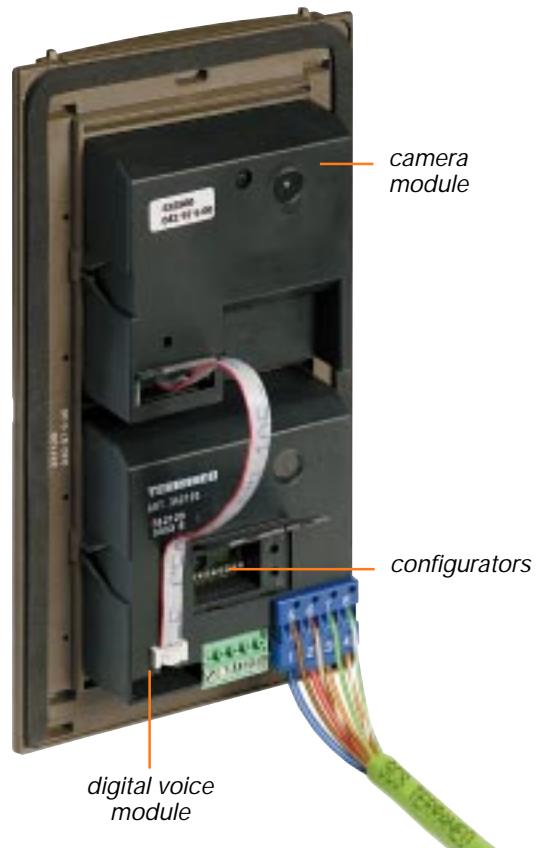
Connections by means of plug-in terminals allows prewiring and the installation of devices when work is completed.

Digital system

- **device configuration**
a digital type device has to be configured to make it recognizable within the system and to provide it with an operating mode. This is a simple operation which can be carried out by unskilled persons, even before installation.

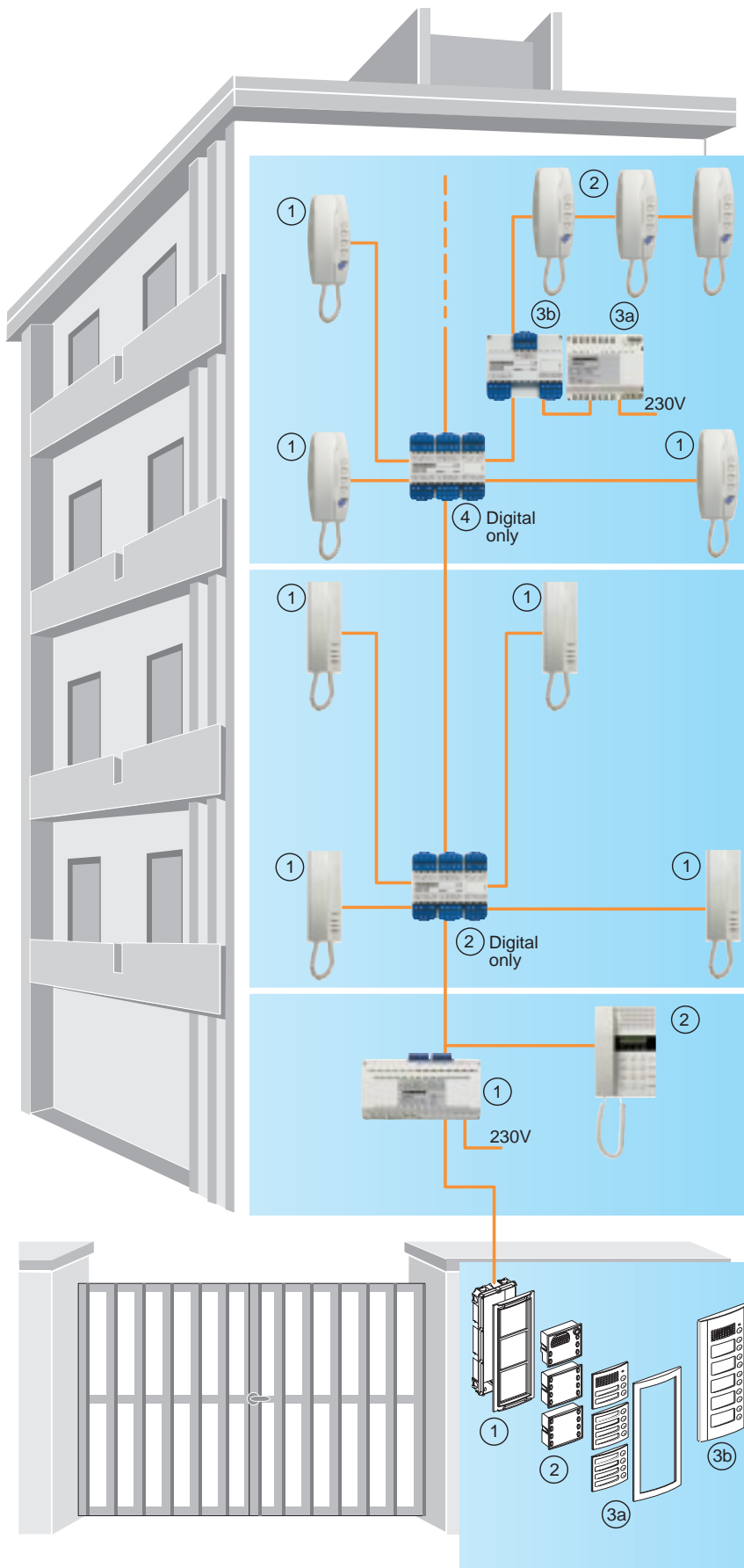
Terraneo SCS connection cable

Terminal No.	Wire colour	Function
1	Blue -	Supply
2	Red +	
3	Orange	Audio
4	White-Orange	
5	Brown	Bus
6	White-Brown	
7	Green	Video
8	White-Green	



Configuration of digital modules is simple and requires neither special tools nor specialist knowledge.

Analogue and digital audio door entry system



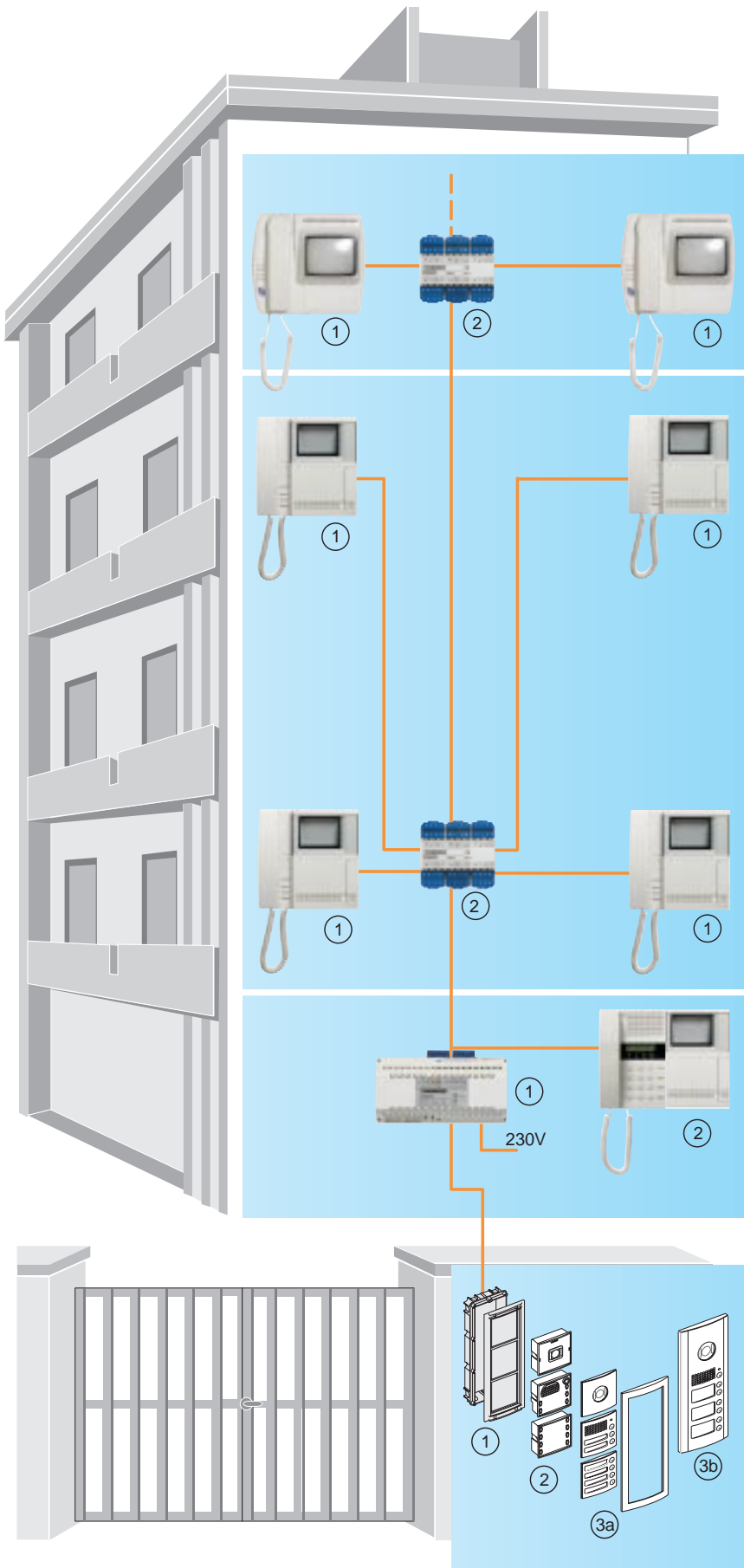
	Cat. nos.	
	analogue	digital
Sprint indoor stations		
1 - Sprint audio set	334202	
2 - Sprint audio set intercommunicating	334202+337430+337411	
3a - audio power supply unit	336000	
3b - intercommunication relay	336200	
4 - audio digital distribution block	346120	

	Cat. nos.	
	analogue	digital
Pivot indoor stations		
1 - Pivot audio set	334002	
2 - audio digital distribution block	346120	

	Cat. nos.	
	analogue	digital
Power supply unit		
1 - power supply unit	336000	336010
2 - switchboard	344002	

	Cat. nos.	
	analogue	digital
Outdoor station		
1 - box and chassis	3311X0	
2 - analogue/digital function modules	see pages 15-18	
3a - Sfera modular pushbutton panel	see page 14	
3b - Sfera single-plate pushbutton panel	see page 17	

Analogue and digital video door entry system



	Items	
	analogic	digital
Pivot indoor stations		
1 - video	334302	
2 - video floor shunt	336820	346130

	Cat. nos.	
	analogic	digital
Pivot indoor stations		
1 - video	334102	
2 - video distribution block	336820	346130

	Cat. nos.	
	analogic	digital
Power supply unit		
1 - video power supply unit	336010	
2 - switchboard + video section	344002+	334402

	Cat. nos.	
	analogic	digital
Outdoor station		
1 - box and chassis	3311X0	
2 - analogue/digital function modules	see pages 15-18	
3a - Sfera modular pushbutton panel	see page 14	
3b - Sfera single-plate pushbutton panel	see page 17	

Sfera modular series outdoor stations

System	Installation	Colours
audio-video digital audio-video analogue	flush mounting surface mounting Degree protection IP5	Allmetal, Alugray, Green, Wagon, White, Blue Rietveld, Red Mondrian, Dark Ocher

Flush mounting box + chassis

Flush mounting installation - Sfera modular

box + support chassis

rain shield

function modules

module front covers

front cover surround plate



331110
1 vertical module



331120
2 vertical modules



331130
3 vertical modules

Flush mounting installation - Sfera Basic

box + support frame

rain shield

function modules

module front covers



331711
1 vertical module



331721
2 vertical modules



331731
3 vertical modules

■ only Allmetal

Rain shield ■

Surface mounting box + chassis ■



331411
1 module



331311
1 module



331421
2 modules



331321
2 modules



331441
4 modules



331341
4 modules



331431
3 modules



331331
3 modules



331461
6 modules



331361
6 modules



331491
9 modules



331391
9 modules

Modules for analogue systems

for digital systems



332120
speaker + 2 pushbuttons



342120
speaker + 2 pushbuttons



332200
name-plate with 2 faston cables and "wait" signal



342200
name-plate with multicore cable and name card



332240
4 individual pushbuttons



342240
4 individual pushbuttons



342600
alphanumeric digital keypad



342610
numeric digital keypad

Modules for analogue and digital systems



332500
black-and-white camera



332650
code lock



332540
separate camera interface with multicore cable

Module front covers



33210...
speaker unit



33211...
speaker unit +
1 pushbutton



33212...
speaker unit +
2 pushbuttons



33220...
nameplate



332231...
3 pushbuttons



33224...
4 pushbuttons



33260...
alphanumeric keypad



33265...
numeric digital keypad

Module front covers



33250...
camera



33291...
blanking plate



33265...
code lock



33295...
blanking plate

Surround plates



33121...
aluminium
1 vertical module



33122...
2 vertical modules



33123...
3 vertical modules

Module complete with front cover

Outdoor stations with monobloc Sfera series

System	Installation	Color	Degree protection
audio-video digital audio-video analog	flush mounting	Allsteel Allbrass	IP 54

Flush mounting box + chassis

Rainshield ■

Flush mounting installation - Sfera monobloc without rainshield



331110
1 vertical module



331120
2 vertical modules



331130
3 vertical modules



331411
1 module



331421
2 modules



331441
4 modules



331431
3 modules

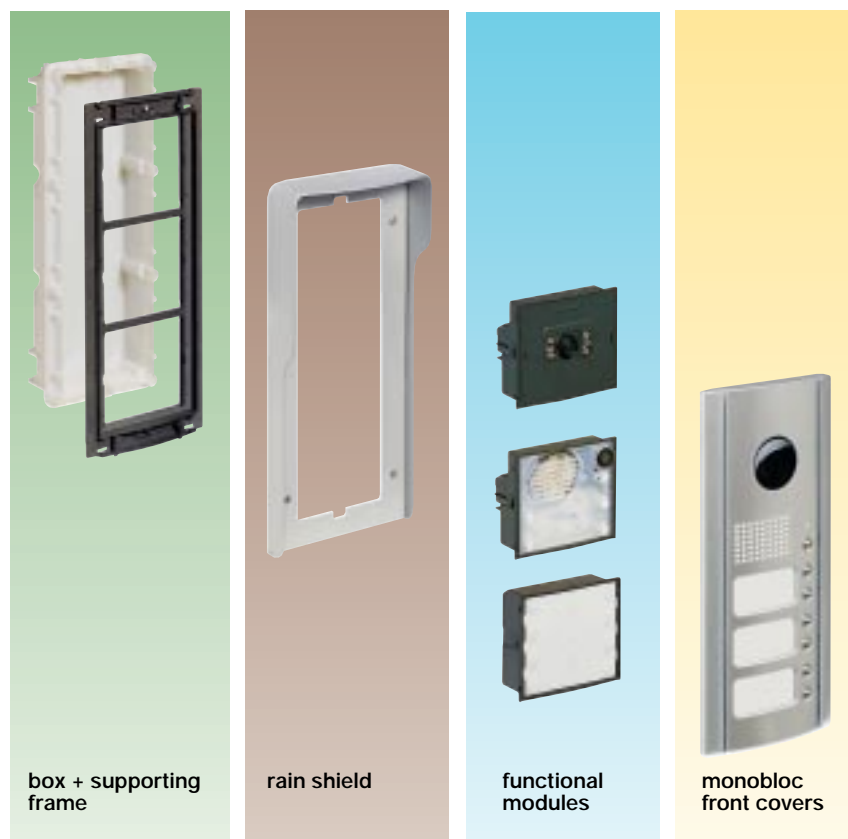


331461
6 modules



331491
9 modules

Flush mounting installation - Sfera monobloc with rainshield



■ only Allmetal

Modules for analog systems



332120
speaker + 2 pushbuttons



332240
4 pushbuttons



332240
4 pushbuttons

Modules for digital systems



342120
speaker + 2 pushbuttons



342240
4 pushbuttons



342240
4 pushbuttons

Monobloc front covers for voice and pushbutton module



333104 Allsteel
333105 Allbrass
10 pushbuttons



333184 Allsteel
333185 Allbrass
8 pushbuttons

Monobloc front covers for camera, voice and pushbutton module



332500
black-and-white camera



332120
speaker + 2 pushbuttons



332240
4 pushbuttons



332500
black-and-white camera



342120
speaker + 2 pushbuttons



342240
4 pushbuttons



333564 Allsteel
333565 Allbrass
6 pushbuttons



333544 Allsteel
333545 Allbrass
4 pushbuttons

Monobloc front covers for pushbutton modules only



332240
4 pushbuttons



332240
4 pushbuttons



332240
4 pushbuttons



342240
4 pushbuttons



342240
4 pushbuttons



342240
4 pushbuttons



333204 Allsteel
333205 Allbrass
12 pushbuttons



333284 Allsteel
333285 Allbrass
8 pushbuttons

Monobloc front covers for digital calls



332500
black-and-white camera



342120
speaker + 2 pushbuttons



342600
(alphanumeric)
digital call



333734 Allsteel
333735 Allbrass
alphanumeric call



333724 Allsteel
333725 Allbrass
alphanumeric call



333164 Allsteel
333165 Allsteel
6 pushbuttons



333134 Allsteel
333135 Allbrass
3 pushbuttons



333144 Allsteel
333145 Allbrass
4 pushbuttons



333124 Allsteel
333125 Allbrass
2 pushbuttons



333114 Allsteel
333114 Allbrass
1 pushbutton



333534 Allsteel
333535 Allbrass
3 pushbuttons



333524 Allsteel
333525 Allbrass
2 pushbuttons



333514 Allsteel
333515 Allbrass
1 pushbutton



332540
separate camera
module

as an alternative
to item No. 332500

**Monobloc front covers
for code-lock**



333634 Allsteel
333635 Allbrass



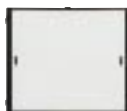
333624 Allsteel
333625 Allbrass



333614 Allsteel
333615 Allbrass



332650
code-lock module



332540
separate camera
module

as an alternative
to item No. 332500



333034 Allsteel
333035 Allbrass
3 modules



333024 Allsteel
333025 Allbrass
2 modules



333014 Allsteel
333015 Allbrass
1 module

Outdoor station: colours



Sfera modular Basic
1 - Allmetal



Sfera modular
1 - White



Sfera modular
3 - Alugray



Sfera modular
8 - Red Mondrian



Sfera modular
9 - Blue Rietveld



Sfera modulare
7 - Green Wagon



Sfera modulare
6 - Dark Ochen



Sfera monoblocco
4 - Allsteel



Sfera monobloc
5 - Allbrass

Note: the colour identification number must be indicated as last digit in the item codes indicated in the preceding pages.

Pivot series audio and video indoor stations

System	Installation	Colour
audio-video digital	wall mounting	white
audio-video analogue	table-top mounting	
	flush mounting	

Wall mounting installation

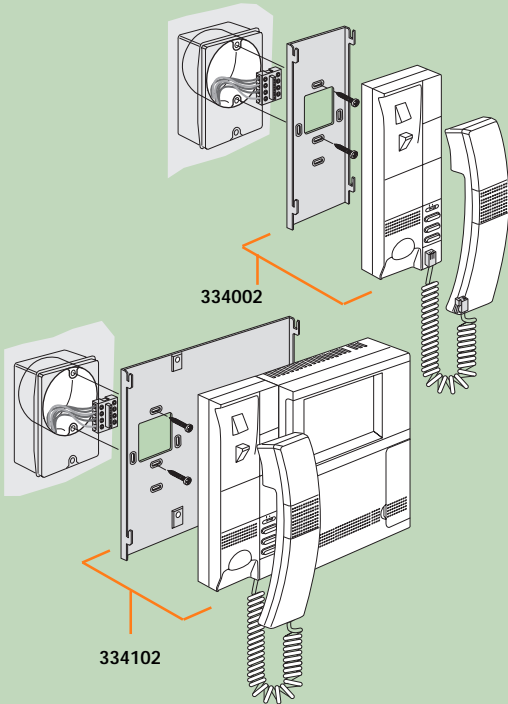
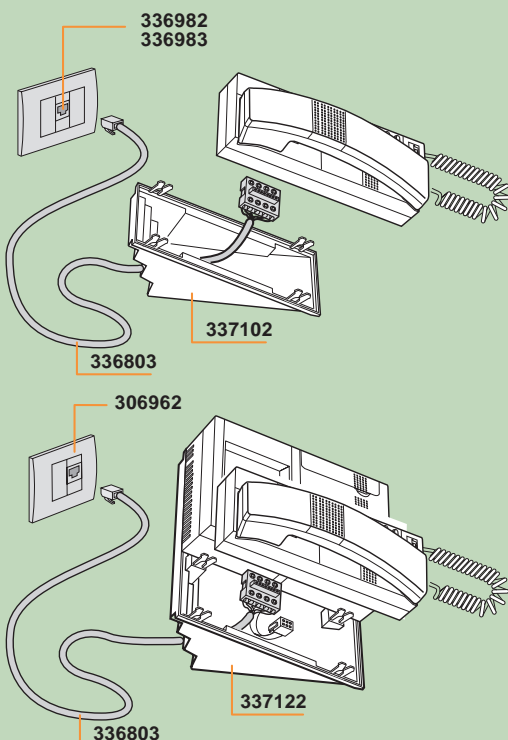


Table-top installation



Audio indoor stations



334002
extendible audio set
with conversation secrecy
complete with bracket
for wall fixing

Note

To set up analogue systems with conversation secrecy, Cat. no. 336300 must be fitted into the analogue speaker unit module.

Video indoor stations



334102
video set
with conversation secrecy
complete with bracket
for wall fixing

Accessories

Cat. no.	Description
306962	wall socket outlet
336803	black cable with plug (2 m)
336982	Light series 8 way socket outlet
336983	Living series 8 way socket outlet
337102	table-top base for audio set
337122	table-top base for video set
337140	wall bracket for audio set
337160	wall bracket for video set
337500	call exclusion switch + signalling LED
337512	set of 4 extra pushbuttons
337530	3 tone call card
337542	set of 2 pushbuttons + LED



306962



337102

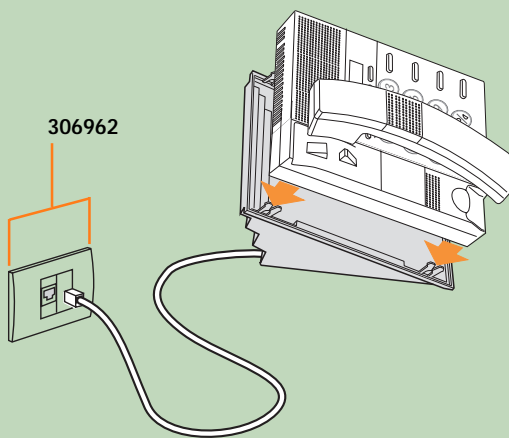


337122

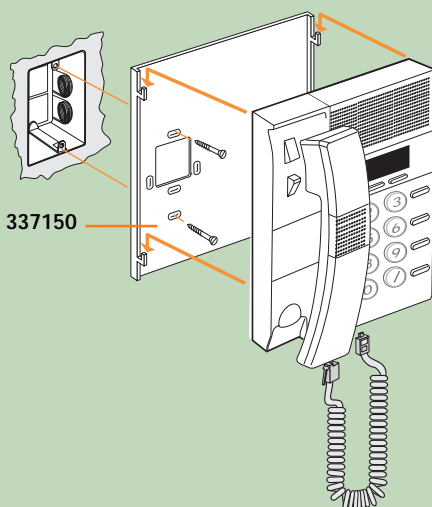
Audio and video switchboard

System audio-video digital	Installation wall mounting table-top mounting	Colour white
--------------------------------------	--	------------------------

Table-top installation



Wall mounting installation



Audio indoor stations



344002

Alphanumeric digital switchboard with:

- memory and scroll facility
- bell volume control
- lock release button
- staircase light button



334402

video section for audio switchboard

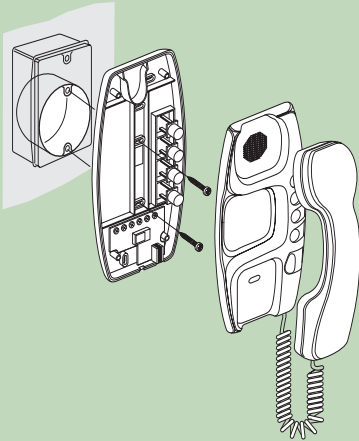
Accessories

Cat. No.	Description
306962	wall socket outlet
336982	8 way outlet Light series
336983	8 way outlet Living International series
337150	wall bracket for switchboard
337170	wall bracket for switchboard + video
337132	table top base for switchboard + video

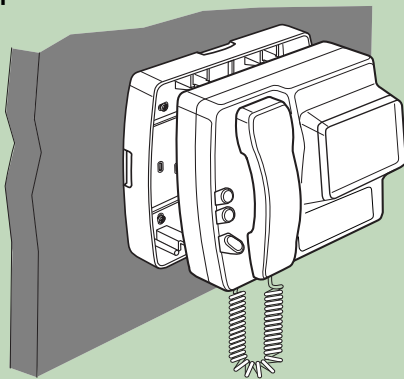
Sprint series audio indoor stations

System	Installation	Colour
audio-video digital	wall mounting	white
audio-video analog	flush mounting	
	table-top (only audio)	

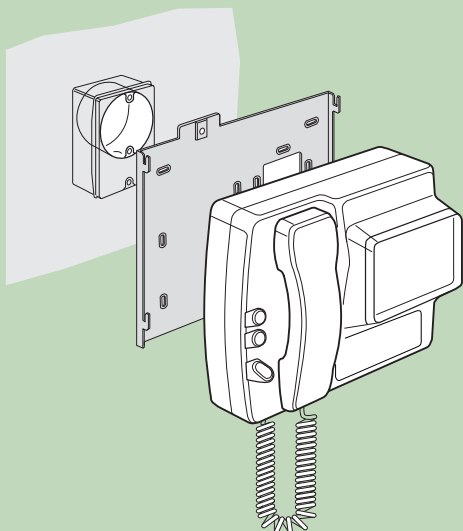
Wall mounting installation Sprint audio



Wall mounting Sprint video



Flush mounting installation Sprint video



Audio indoor stations



334202
audio set

Accessories

Cat. no.	Description
306962	wall outlet light
336982	8 way outlet Light series
336983	8 way outlet Living International series
337400	call exclusion switch + signalling led
337411	intercommunication card
337430	additional pushbutton
337440	signalling led
337410	secrecy card



306962



337202

Video indoor stations



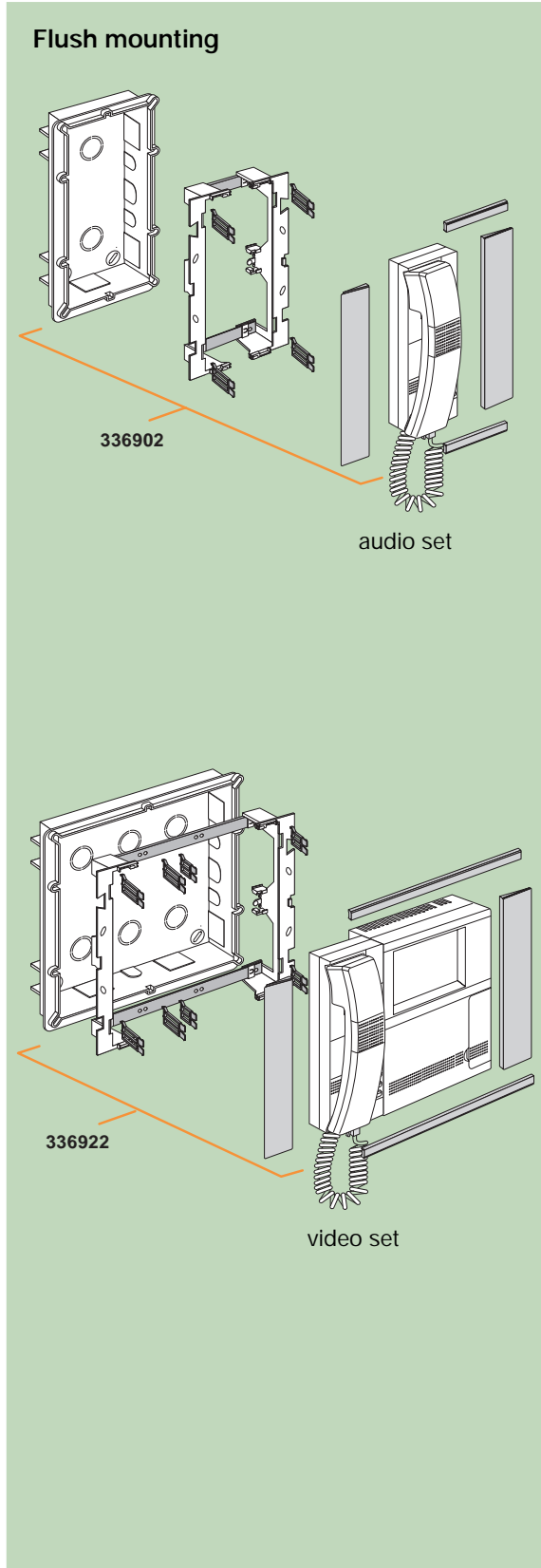
334302
video set

Accessories

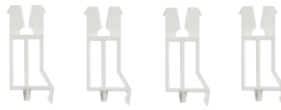
Cat. no.	Description
337212	frame for surface mounting

Pivot series indoor stations and Multibox multipurpose boxes

System	Installation	Colour
audio-video digital	flush	white
audio-video analogue	mounting	



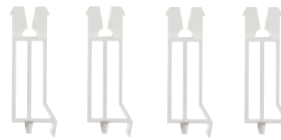
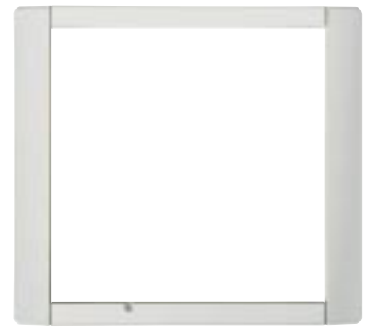
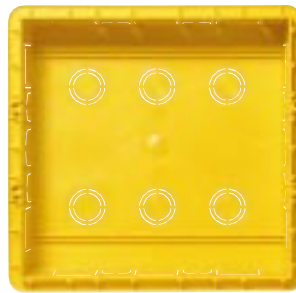
flush mounting installation for audio set



Size	L x H x P
box	100 x 234 x 70 mm
frame	130 x 245 mm

336902
kit for audioset

flush mounting installation for video set



Size	L x H x P
box	240 x 234 x 70 mm
frame	270 x 245 mm

336922
kit for video set

Power supply units and common accessories

Power supply units (230V)



336000 (6 DIN modules)
audio analogue



336010 (10 DIN modules)
audio digital
video digital and analogue with plug-in connectors

Common accessories



336200 (6 DIN modules)
relay for intercommunicating
audio and video sets



336820 (6 DIN modules)
distribution block for 5 intercommunicating video
indoor stations used with cat. no. 336200



336842 (3 DIN modules)
transformer
230V - 12V/18VA



336910
additional bell



336950 (6 DIN modules)
wiring tester



336968
plug-in
connector with 8
unnumbered
terminals



336964
plug-in
connector with 4
unnumbered
terminals

Separate camera and related accessories



391601
black-and-white camera
(separate camera must be connected
to interface module
cat. no. 332540)



automatic iris lenses

cat. no.	focal length (mm)
391003	zoom 3.5/8
391604	12
391005	18

manual iris lenses

cat. no.	focal length (mm)
391007	2.6
391608	4
391009	8



391203
wall swivel bracket for
cat. no. 391301



391301
outdoor housing



391201
wall and ceiling swivel
bracket for camera

Accessories for analogue systems



336830 (3 DIN modules)
3 tone call generator



336220 (3 DIN modules)
auxiliary relay



336230 (3 DIN modules)
timer relay



336210 (6 DIN modules)
audio/video changeover
relay for several outdoor
stations



336810
video signal
distribution block
for Ø 60 mm box



336820 (6 DIN modules)
video floor distribution block



336802 (2 DIN modules)
filter



332970 (3 DIN modules)
tone
generator

Accessories which can be fitted into the analogue speaker unit module



336300
card for system with
conversation secrecy



336320
camera timer



332930
differentiated tone
generator

Accessory which can be fitted into the analogue speaker unit module or into the camera module



336310
door lock control
relay

Analog speaker unit for Tersystem outdoor stations



336920
analog speaker
unit

Accessories for digital systems



346100 (6 DIN modules)
video riser distribution block



346120 (6 DIN modules)
audio floor distribution block



346130 (6 DIN modules)
video floor distribution block



346140 (6 DIN modules)
audio distribution block for several risers and/or outdoor stations



346200 (4 DIN modules)
timer relay actuator (230V)



346960 (6 DIN modules)
video mixer for several outdoor stations



346980 (6 DIN modules)
audio-video distribution block for several independent risers

Configurators



configurators

346910	configurator 0
346911	configurator 1
346912	configurator 2
346913	configurator 3
346914	configurator 4
346915	configurator 5
346916	configurator 6
346917	configurator 7
346918	configurator 8
346919	configurator 9
306963	configuration kit

Cabling accessories

336900	8 conductor cable (100 m)
336901	8 conductor cable (500 m)
346902	pushbutton module connection cable for outdoor stations in several rows
346903	connector for pushbutton panels with more than 26 pushbuttons

Accessory which can be fitted into the camera module



346220
relay for several video outdoor stations in series

Analog kits



363111



Kit Sprint audio set and
Linea 1000 pushbutton panel
- single occupancy 363111
- double occupancy 363121

Composition	Cat. No.	363111	363121
Linea 1000 pushbutton panel 2 buttons		1	1
Sprint audio set	334202	1	2
power supply unit	336000	1	1



362411



Kit Pivot audio set and
Sfera modular pushbutton panel
- single occupancy 362411
- double occupancy 362421

Composition	Cat. No.	362411	362421
1 module box + chassis	331110	1	1
aluminium front cover for pushbutton speaker unit module	332111 332121	1	1
1-module aluminium surround plate	331221	1	1
analogue speaker unit module	332120	1	1
Pivot audio set	334002		
power supply unit	336000	1	1



363711



Kit Sprint audio set and
Sfera basic pushbutton panel
- single occupancy 363711
- double occupancy 363721

Composition	Cat. No.	363711	363721
1 module box + support frame	331712	1	1
aluminium front cover for pushbutton speaker unit module	332111 332121	1	1
analogue speaker unit module	332120	1	1
Sprint audio set	334202	1	2
Power supply unit	336000	1	1

Video kit (7-wire + n without coaxial cable)



362521



Kit Pivot video set and
Sfera modular pushbutton panel
- single occupancy 362511
- double occupancy 362521

Composition	Cat. No.	362511	362521
2-module box + chassis	331120	1	1
aluminium front cover for 1-pushbutton speaker unit module	332111 332121	1	1
aluminium front cover for camera	332501	1	1
2-module aluminium surround plate	331221	1	1
analogue speaker unit module	332120	1	1
camera module	332500	1	1
camera accessory	336320	1	1
Pivot audio set	334102	1	2
power supply unit	336010	1	1

2 Wires Kits



CK2

Audio kit - "2 wires", for replacing bell systems

CK2 - single occupancy kit consisting of:

Telephone; white, one pushbutton

External unit; one call pushbutton, natural aluminium, surface mounting

Ⓜ **Transformer** item No. 336842; DIN rail mounting, 3 modules; 240V - 12V 18V A

Accessories

PICK 2 additional internal unit

CK2, with just 2 wires, allows for audio communication and electric door lock release.



VK2A

For one-way installations

Video kit - 2 "wires" allowing audio, video and lock release operation

VK2A - single occupancy kit consisting of:

Wall mounted internal unit with 4" screen, 3 service pushbuttons. Brightness, contrast and call volume control. White.

External unit complete with 1 call pushbutton, speaker unit and 1/3" sensor CCD camera with infra-red lighting.

Dimensions: 129x203x57mm.

Power supply item No. PS220, DIN rail mounting, 10 modules, 230V.



VK2M

Video kit - 2 "wires" with memory and zoom for audio, video communications and lock release operation

VK2M - single occupancy kit consisting of:

Internal unit for wall-mounting, 4" flat screen, 3 service pushbuttons, 5 keys and 2 LED for memory Management, 1 joystick and 1 zoom pushbutton. Brightness and contrast control and calling volume regulation. White.

External unit in natural anodized aluminium: 1 call pushbutton, speaker unit, CCD video camera with 1/3" sensor infrared lighting. Complete with rainshield. White.

Power supply item No. PS220, DIN rail mounting, 10 modules, 230V.

Accessories

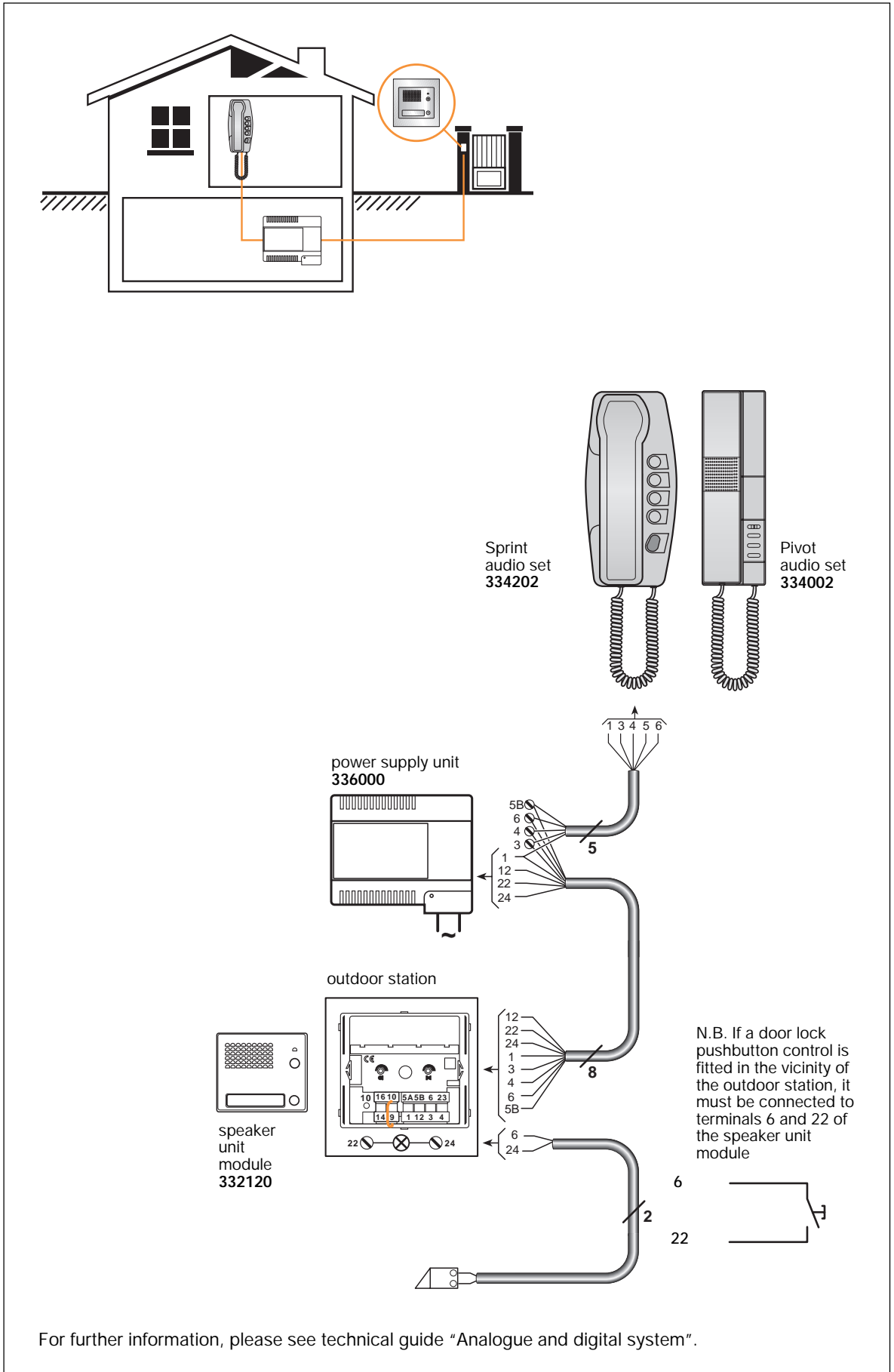
40.50N Additional sounder for electronic call repeat in several rooms. White.

40.91 Control relay with timer for staircase lights. Can be activated from either the mains or from the 12÷30V AC/DC door entry system power supply. DIN rail mounting, 3 modules.

40.92 12V AC/DC auxiliary relay. 5A 220V contacts. DIN rail mounting, 3 modules.

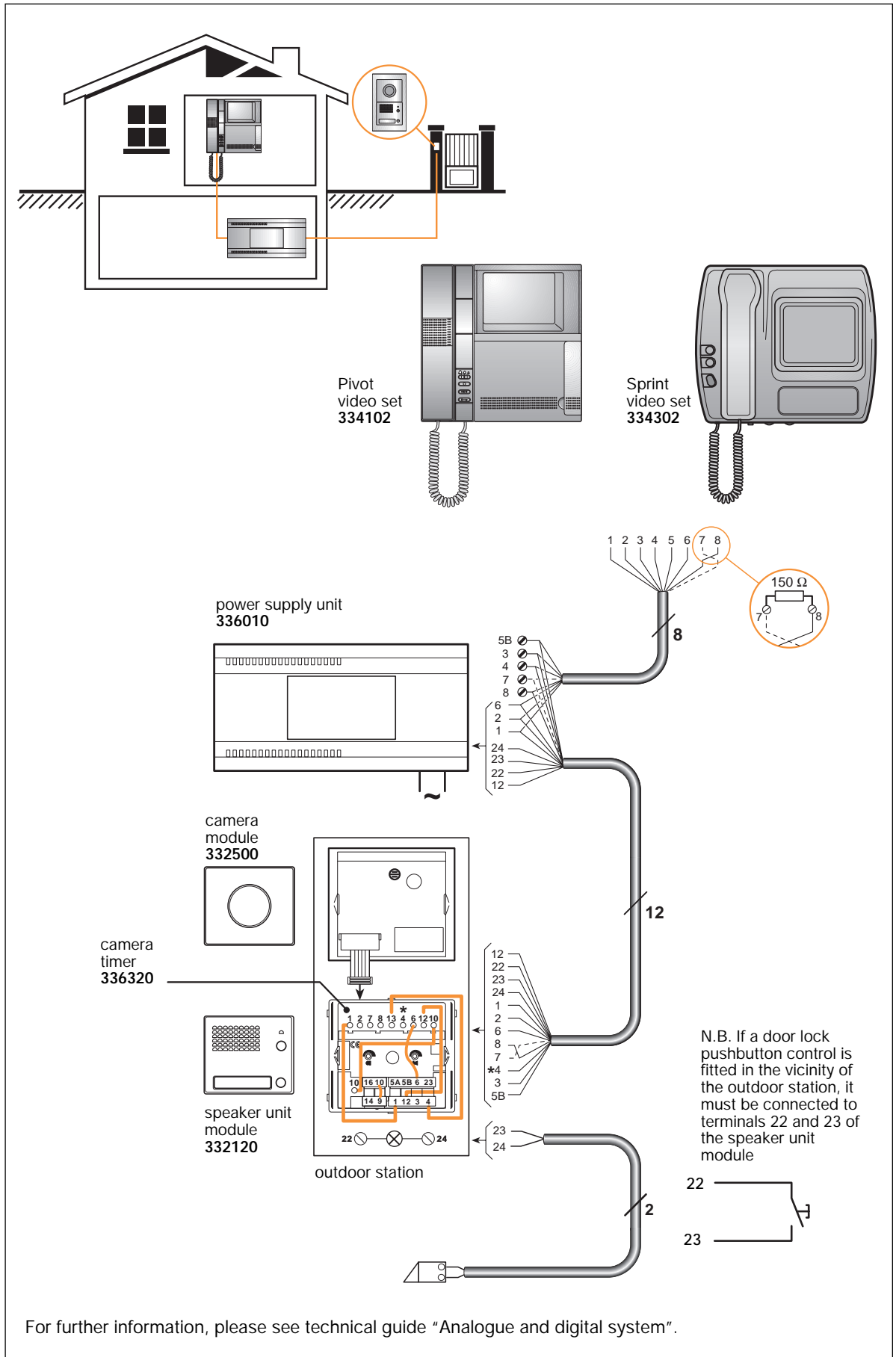
Wiring diagram

Analogue system -
Single
occupancy
audio
installation



Wiring diagram

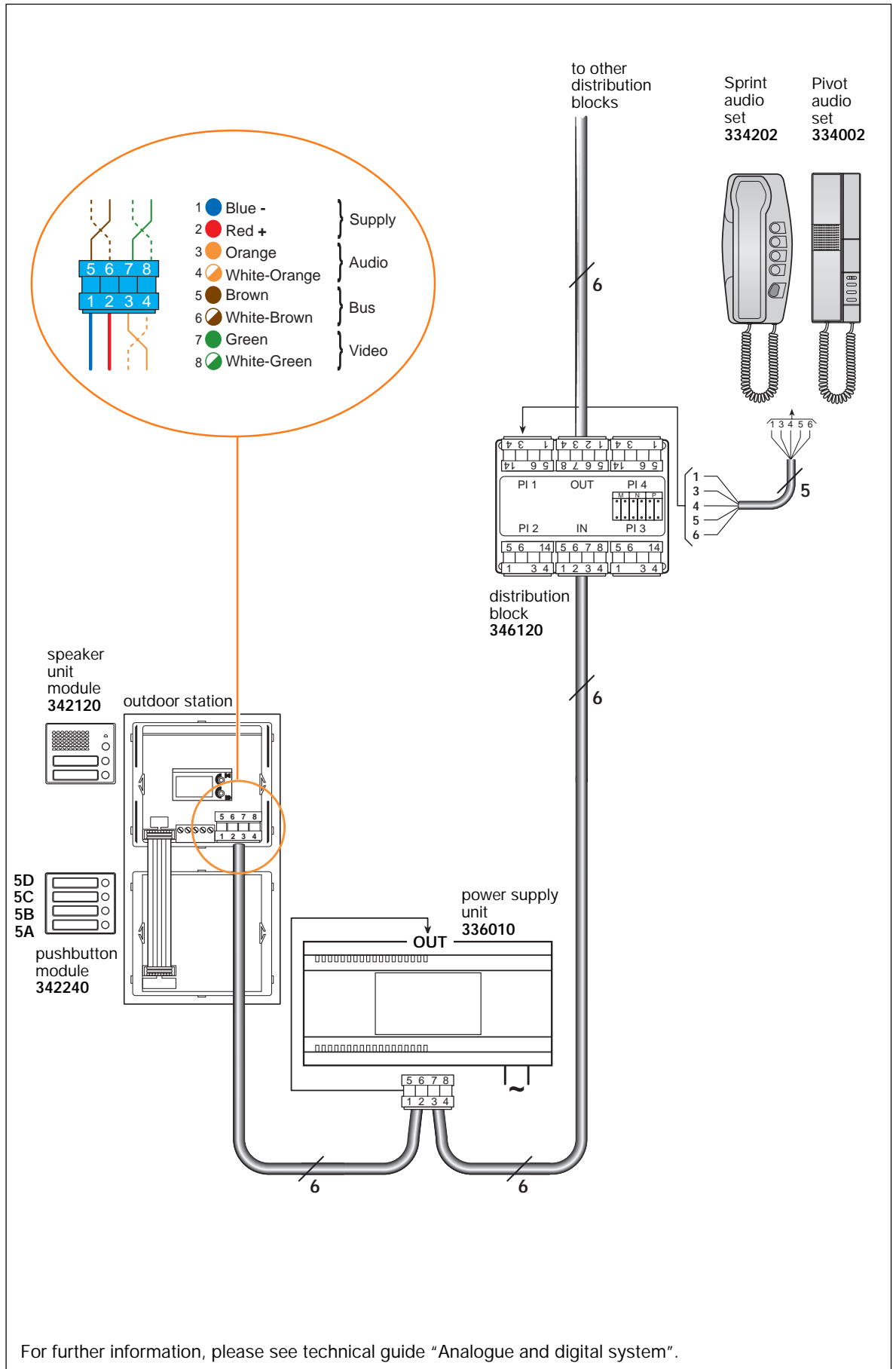
**Analogue system -
Single
occupancy
video
installation**



For further information, please see technical guide "Analogue and digital system".

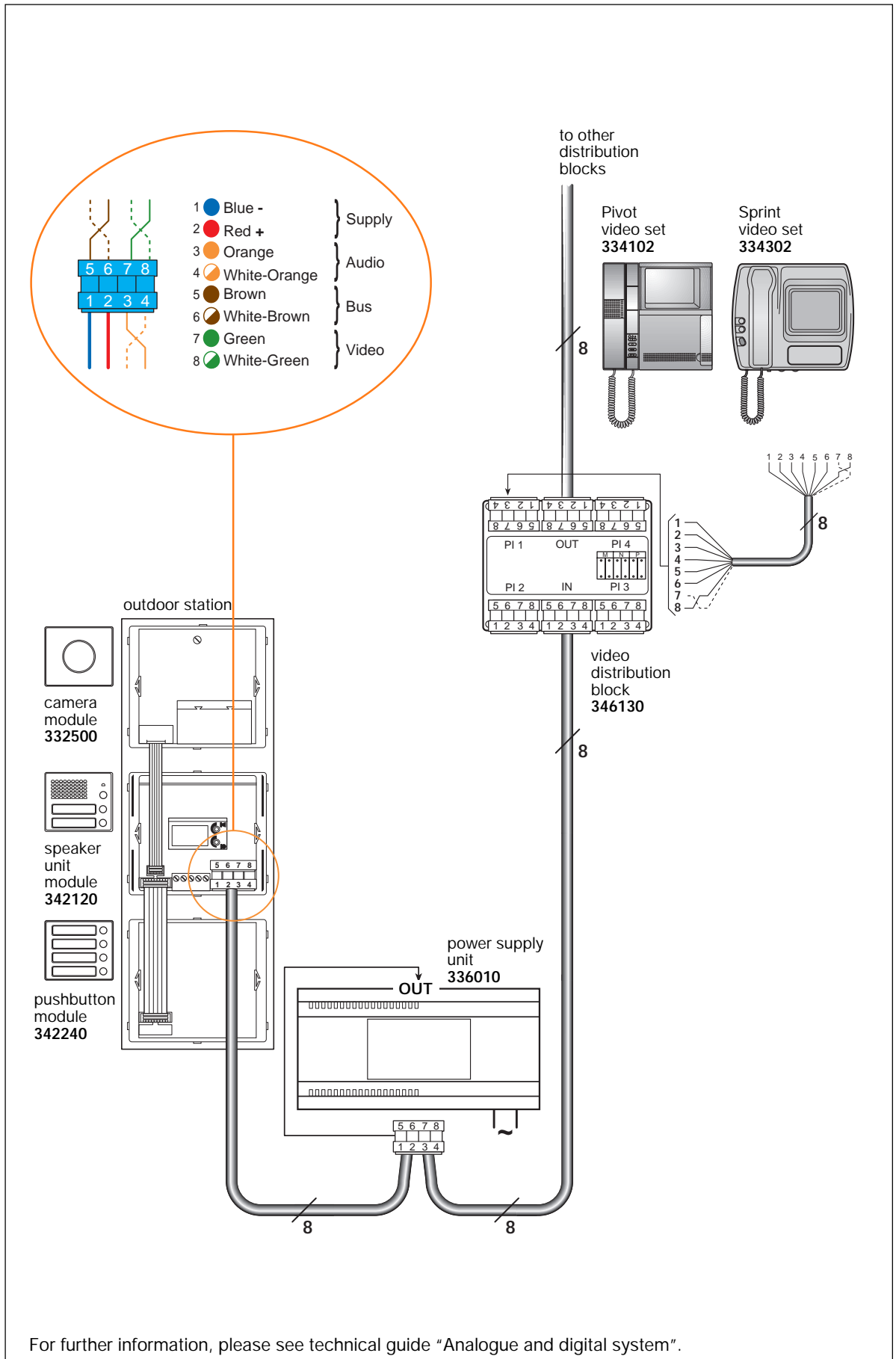
Wiring diagram

Digital system - Multiple occupancy audio installation



Wiring diagram

Digital system - Multiple occupancy video installation



For further information, please see technical guide "Analogue and digital system".

Analogue audio system with modular front covers and Basic chassis

Table 1

No. of buttons	Box + support frame			Function modules		Modular front covers						Power supply unit	Audio sets	
	331711	331721	331731	332120	332240	332101	332111	332121	332231	332241	332911	336000	Sprint 334212	Pivot 334002
1	1			1			1					1	1	1
2	1			1				1				1	2	2
3		1		1	1	1			1			1	3	3
4		1		1	1	1				1		1	4	4
5		1		1	1		1			1		1	5	5
6		1		1	1			1		1		1	6	6
7			1	1	2	1			1	1		1	7	7
8			1	1	2	1				2		1	8	8
9			1	1	2		1			2		1	9	9
10			1	1	2			1		2		1	10	10
11		2		1	3	1			1	2		1	11	11
12		2		1	3	1				3		1	12	12
13		2		1	3		1			3		1	13	13
14		2		1	3			1		3		1	14	14
15			2	1	4	1			1	3	1	1	15	15
16			2	1	4	1				4	1	1	16	16
17			2	1	4		1			4	1	1	17	17
18			2	1	4			1		4	1	1	18	18
19			2	1	5	1			1	4		1	19	19
20			2	1	5	1				5		1	20	20
21			2	1	5		1			5		1	21	21
22			2	1	5			1		5		1	22	22
24			3	1	6	1				6	2	1	24	24
26			3	1	6			1		6	2	1	26	26
28			3	1	7	1				7	1	1	28	28
30			3	1	7			1		7	1	1	30	30
32			3	1	8	1				8		1	32	32
34			3	1	8			1		8		1	34	34
38			4	1	9			1		9	2	1	38	38
42			4	1	10			1		10	1	1	42	42
46			4	1	11			1		11		1	46	46
52			5	1	13	1				13	1	1	52	52
58			5	1	14			1		14		1	58	58

Analogue video system with modular front covers and Basic chassis

Table 2

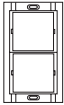
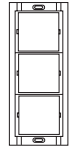


















No. of buttons	Box + support frame		Function modules				Modular front covers							Power supply unit	Video floor distribution unit	Video set	
	331721	331731	332500	332120	332240	336320	332501	332101	332111	332121	332231	332241	332911	336010	336820	334102	334302
1	1		1	1		1	1	1						1	1	1	1
2	1		1	1		1	1		1					1	1	2	2
3		1	1	1	1	1	1	1		1				1	1	3	3
4		1	1	1	1	1	1	1			1			1	1	4	4
5		1	1	1	1	1	1		1			1		1	2	5	5
6		1	1	1	1	1	1			1				1	2	6	6
7	2		1	1	2	1	1	1			1	1		1	2	7	7
8	2		1	1	2	1	1	1				2		1	2	8	8
9	2		1	1	2	1	1		1			2		1	3	9	9
10	2		1	1	2	1	1			1		2		1	3	10	10
11		2	1	1	3	1	1	1			1	2	1	1	3	11	11
12		2	1	1	3	1	1	1				3	1	1	3	12	12
13		2	1	1	3	1	1		1			3	1	1	4	13	13
14		2	1	1	3	1	1			1		3	1	1	4	14	14
15		2	1	1	4	1	1	1			1	3		1	4	15	15
16		2	1	1	4	1	1	1				4		1	4	16	16
17		2	1	1	4	1	1		1			4		1	5	17	17
18		2	1	1	4	1	1			1		4		1	5	18	18
19		3	1	1	5	1	1	1			1	4	2	1	5	19	19
20		3	1	1	5	1	1	1				5	2	1	5	20	20
21		3	1	1	5	1	1		1			5	2	1	6	21	21
22		3	1	1	5	1	1			1		5	2	1	6	22	22
24		3	1	1	6	1	1	1				6	1	1	6	24	24
26		3	1	1	6	1	1			1		6	1	1	7	26	26
28		3	1	1	7	1	1	1				7		1	7	28	28
30		3	1	1	7	1	1		1			7		1	8	30	30
32		4	1	1	8	1	1	1				8	2	1	8	32	32
34		4	1	1	8	1	1			1		8	2	1	9	34	34
38		4	1	1	9	1	1		1			9	1	1	10	38	38
42		4	1	1	10	1	1		1			10		1	11	42	42
46		5	1	1	11	1	1		1			11	2	1	12	46	46
50		5	1	1	12	1	1		1			12	1	1	13	50	50
54		5	1	1	13	1	1		1			13		1	14	54	54

Digital audio system with modular front covers and Basic chassis

Table 3

No. of buttons	Box + support frame			Function modules			Modular front covers						Multicore cable		Power supply		Distrib. block	Indoor stations			
	331711	331721	331731	342120	342240	342600	332101	332111	332121	332231	332241	332911	332601	346902	346903	336010	346120	Sprint 334202	Pivot 334002		
1	1			1				1								1	1	1			
2	1			1					1							1	1	2	2		
3		1		1	1		1			1						1	1	3	3		
4		1		1	1		1				1					1	1	4	4		
5		1		1	1			1				1				1	2	5	5		
6		1		1	1				1							1	2	6	6		
7			1	1	2		1			1	1					1	2	7	7		
8			1	1	2		1					2				1	2	8	8		
9			1	1	2			1				2				1	3	9	9		
10			1	1	2				1			2				1	3	10	10		
11		2		1	3		1			1	2		1			1	3	11	11		
12		2		1	3		1					3		1		1	3	12	12		
13		2		1	3			1					3		1	1	4	13	13		
14		2		1	3				1					3		1	4	14	14		
15			2	1	4		1			1	3	1		1		1	4	15	15		
16			2	1	4		1				4	1		1		1	4	16	16		
17			2	1	4			1			4	1		1		1	5	17	17		
18			2	1	4				1		4	1		1		1	5	18	18		
19			2	1	5		1			1	4			1		1	5	19	19		
20			2	1	5		1				5			1		1	5	20	20		
21			2	1	5			1			5			1		1	6	21	21		
22			2	1	5				1		5			1		1	6	22	22		
24			3	1	6		1				6	2		2		1	6	24	24		
26			3	1	6			1			6	2		2		1	7	26	26		
28			3	1	7		1				7	1		2	1	1	7	28	28		
30			3	1	7			1			7	1		2	1	1	8	30	30		
32			3	1	8		1				8			2	1	1	8	32	32		
34			3	1	8			1			8			2	1	1	9	34	34		
38			4	1	9			1			9	2		3	1	1	10	38	38		
42			4	1	10			1			10	1		3	1	1	11	42	42		
50			5	1	12			1			12	2		3	1	1	13	50	50		
n		1		1		1	1					1				1	n/4	n	n		

Digital video system with modular front covers and Basic chassis

No. of buttons	Box + support frame	Function modules				Modular front covers								Multicore cable		Power supply unit	Floor dist. block	Video set		
	 																			
1	1		1	1		1		1										1	1	1
2	1		1	1		1			1									1	2	2
3		1	1	1	1	1	1			1								1	3	3
4		1	1	1	1	1	1				1							1	4	4
5		1	1	1	1	1		1			1							1	5	5
6		1	1	1	1	1			1		1							1	6	6
7	2		1	1	2	1	1			1	1			1				1	7	7
8	2		1	1	2	1	1					2		1				1	8	8
9	2		1	1	2	1		1				2		1				1	9	9
10	2		1	1	2	1			1			2		1				1	10	10
11		2	1	1	3	1	1			1		2		1				1	11	11
12		2	1	1	3	1	1					3		1				1	12	12
13		2	1	1	3	1		1				3		1				1	13	13
14		2	1	1	3	1			1			3		1				1	14	14
15		2	1	1	4	1	1			1		3		1				1	15	15
16		2	1	1	4	1	1					4		1				1	16	16
17		2	1	1	4	1		1				4		1				1	17	17
18		2	1	1	4	1			1			4		1				1	18	18
19		3	1	1	5	1	1			1		4		2				1	19	19
20		3	1	1	5	1	1					5		2				1	20	20
21		3	1	1	5	1		1				5		2				1	21	21
22		3	1	1	5	1			1			5		2				1	22	22
24		3	1	1	6	1	1					6		2				1	24	24
26		3	1	1	6	1			1			6		2				1	26	26
28		3	1	1	7	1	1					7		2	1			1	28	28
30		3	1	1	7	1			1			7		2	1			1	30	30
32		4	1	1	8	1	1				2	8		3	1			1	32	32
34		4	1	1	8	1			1			8	2	3	1			2	34	34
38		4	1	1	9	1			1			9	1	3	1			2	38	38
42		4	1	1	10	1			1			10		4	1			2	42	42
50		5	1	1	12	1			1			12	1	4	1			2	50	50
n		1	1	1		1	1						1					1	n/4	n