

2 WIRES SYSTEM
ENTRANCE PANEL
SFERA



SFERA NEW

SFERA ROBUR

TWO STYLES

ONE ELECTRONIC HEART

2-wires simplicity, maximum performance

Exceptional audio and video performance as well as fast and simple installation can be achieved with 2-wires technology

- Up to 4000 dwellings
- 20 handsets per dwelling
- Up to 96 video entrance panels
- Operable range of 600 m between entrance panel and internal unit

2 DESIGNS

SFERA NEW

A modern and sleek design suitable for residential and commercial developments.



Audio or video pushbutton entrance panel

Call from address book

SFERA ROBUR

Sturdy materials and optional flush-mounting boxes providing increased safety and preventing removal of the device



Audio or video pushbutton entrance panel

Digital call



12 FUNCTIONS

TRADITIONAL



Basic speaker module



Speaker module



Audio/video module



4 push-buttons module



8 push-buttons module



Nameplate module



Graphic display module

ADVANCED



Audio/video wide-angle camera module



Night/day wide-angle camera module



Inductive loop and control speech synthesis module

DOOR LOCK RELEASE



Keypad module

















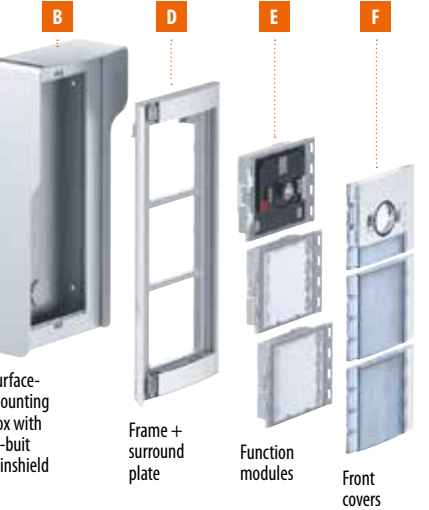











Badge reader module

2 WIRES SYSTEM









































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Examples to select parts of the system

FINISHES	INSTALLATION TYPE	FLUSH-MOUNTING BOXES	RAINSHIELDS (OPTIONAL)	FRAMES/PLATES						
Allmetal (silver)  1	FLUSH-MOUNTING INSTALLATION		Cat.Nos	Pack	Cat.Nos	Pack	Cat.Nos	Pack		
			A  350010 1 module	1	C  35051.. 1 module	1	 35054.. 4 modules	1	 35021.. 1 module	1
			 350020 2 modules	1	 35052.. 2 modules	1	 352500 6 modules	1	 35022.. 2 modules	1
Allwhite (white)  2			 350030 3 modules	1	 35053.. 3 modules	1	 35059.. 9 modules	1	 35023.. 3 modules	1
	INSTALLATION TYPE		SURFACE-MOUNTING BOXES			FRAMES/PLATES				
	SURFACE-MOUNTING INSTALLATION		Cat.Nos			Pack	Cat.Nos			Pack
Allstreet (grey)  3			 35061.. 1 module	1	B  35064.. 4 modules	1	D  35021.. 1 module	1		
			 35062.. 2 modules	1	 35066.. 6 modules	1	 35022.. 2 modules	1		
			 35063.. 3 modules	1	 35069.. 9 modules	1	 35023.. 3 modules	1		



































CHOOSE YOUR FINISH: Replace the dots in the Cat. No. with either 1, 2, or 3 to select the desired finish



DIGITAL FUNCTION MODULES		FRONT COVERS					
Cat.Nos	Pack	Cat.Nos				Pack	
E		F Audio front covers					
 351000 Basic speaker module (FOR AUDIO SYSTEMS ONLY)	1	 35100.. Basic speaker module	 35101.. Basic speaker module 1 push-button	 35102.. Basic speaker module 2 push-buttons	 35104.. Basic speaker module 2 push-buttons/double row	 35108.. Basic speaker module 4 push-buttons/double row	1
 351100 Speaker module	1	 35110.. Speaker module	 35111.. Speaker module 1 push-button	 35112.. Speaker module 2 push-buttons	 35114.. Speaker module 2 push-buttons/double row	 35118.. Speaker module 4 push-buttons/double row	1
 352000 4 push-buttons/ single row	1	 35203.. 3 push-buttons	 35204.. 4 push-buttons				1
 352100 8 push-buttons/ double row	1	 35216.. 6 push-buttons/double row	 35218.. 8 push-buttons/double row				1
E		F Video front covers					
 351200 Audio/video	1	 35120.. Audio/video	 35121.. Audio/video 1 push-button	 35122.. Audio/video 2 push-buttons/double row			1
 351300 Audio/video with wide angle camera	1	 35130.. Audio/video wide angle	 35131.. Audio/video wide angle 1 push-button	 35131.. Audio/video wide angle 2 push-buttons / double row		 354000 Cable for the connection or several push-button modules L= 620 mm	1
 352400 Night/day with wide angle camera	1	 35240.. Night/day with wide angle camera					1
E		F Miscellaneous front covers					
 352200 Name plate	1	 35220.. Name plate					1
 352500 Graphic display	1	 35250.. Graphic display					1
 352700 Inductive loop and control speech synthesis	1	 35270.. Inductive loop-speech synthesis				 35230.. Blanking reader	1
 353200 Badge reader	1	 35320.. Badge reader					1
 353000 Keypad	1	 35300.. Keypad					1

CHOOSE YOUR FINISH: Replace the dots in the Cat. No. with either 1, 2, or 3 to select the desired finish



	DIGITAL FUNCTION MODULES		FRONT COVERS					
	Cat.Nos	Pack	Cat.Nos				Pack	
Speakers	E  351000 Basic speaker module (FOR AUDIO SYSTEMS ONLY)	1	F Audio front covers					
	 351100 Speaker module	1	 351005 Basic speaker module	 351015 Basic speaker module 1 push-button	 351025 Basic speaker module 2 push-buttons	 351045 Basic speaker module 2 push-buttons/double row	 351085 Basic speaker module 4 push-buttons/double row	1
Push-buttons	 352000 4 push-buttons/ single row	1	 352035 3 push-buttons	 352045 4 push-buttons				1
	 352100 8 push-buttons/ double row	1	 352165 6 push-buttons/double row	 352185 8 push-buttons/double row				1
Cameras	E  351200 Audio/video	1	F Video front covers					
	 351300 Audio/video with wide angle camera	1	 351205 Audio/video	 351215 Audio/video 1 push-button	 351225 Audio/video 2 push-buttons / double row			1
	 352400 Night/day with wide angle camera	1	 351305 Audio/video wide angle	 351315 Audio/video wide angle 1 push-button	 351325 Audio/video wide angle 2 push-buttons / double row		 354000 Cable for the connection or several push-button modules L= 620 mm	1
Miscellaneous	E		F Miscellaneous front covers					
	 352200 Name plate	1	 352205 Name plate					1
	 352500 Graphic display	1	 352505 Graphic display					1
	 352700 Inductive loop and control speech synthesis	1	 352705 Inductive loop-speech synthesis				 352305 Blanking reader	1
	 353200 Badge reader	1	 353205 Badge reader					1
 353000 Keypad	1	 353005 Keypad					1	

2 WIRES SYSTEM

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Electronic modules



Pack	Item	Electronic modules
1	351000	Basic speaker module for the creation of 2 WIRE audio systems. Fitted with loudspeaker and microphone volume adjustment. It manages up to 100 pushbutton calls using additional double row pushbuttons. It can be used for opening an electrical door lock directly connected to the S+ and S- clamps (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection to a local door lock release pushbutton on the PL clamps. To be completed with surround plate. The device must be physically configured.
1	351100	Speaker module for the creation of 2 WIRE audio & video systems. Fitted with loudspeaker and microphone volume adjustment. It can manage up to 100 pushbutton calls when using additional double row pushbutton modules. It can be used for opening an electrical door lock directly connected to the S+ and S- clamps (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection to a local door lock release pushbutton on the PL clamps. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device can be configured either physically or using the PC and the TiSferaDesign software.
1	351200	Audio video module for the installation of 2 WIRE colour video systems. With Colour camera with 1/3" sensor and white LEDs for the lighting of the shooting field. Mist prevention heating resistance. Loudspeaker and Microphone volume adjustments. It can manage up to 98 pushbutton calls using the additional double row pushbutton modules. Horizontal and vertical camera position adjustment, +/- 10° in both directions. It offers the possibility of opening an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and of connecting a local door lock release pushbutton on clamps PL. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device must be configured physically or using a PC and the TiSferaDesign software.

Pack	Item	Electronic modules
1	351300	Wide angle audio/video module for the installation of 2 WIRE colour video systems. With Colour camera with 1/3" sensor and white LEDs for the lighting of the shooting field. Mist prevention heating resistance. Loudspeaker and Microphone volume adjustments. It can manage up to 98 pushbutton calls using the additional double row pushbutton modules. It offers the possibility of opening an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and of connecting a local door lock release pushbutton on clamps PL. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, communication active, call put through, and system busy. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device must be configured physically or using a PC and the TiSferaDesign software
1	352000	Additional 4-pushbutton modules arranged on single column. To be used with speaker modules 351000 - 351100 and audio/video modules 351200 - 351300. Connection using the appropriate multicable supplied. Backlighting of nameplates controlled by the speaker module or the audio/video module connected. To be completed with surround plate
1	352100	Additional 8-pushbutton modules arranged on double column. To be used with speaker modules 351000 - 351100 and audio/video modules 351200 - 351300. Connection using the appropriate multicable supplied. Backlighting of nameplates controlled by the speaker module or the audio/video module connected. To be completed with surround plate
1	352200	Nameplate module normally used for displaying the house number or other notifications (e.g. Legend for calls using digital pushbutton panels, opening/closing times, etc.). Connection using the appropriate multicable supplied. Night backlighting controlled by the speaker module or the audio/video module connected. To be completed with surround plate



Pack	Item	Electronic modules
1	352400	Night & Day and wide angle camera module for the installation of colour video systems. Fitted with 1/3" sensor with N&D function and automatic removal of the IR filter. IR LED for the lighting of the field of view. Mist prevention heating resistance. Automatic brightness adjustment. Connection to the speaker module (351100) using the multicable supplied. To be completed with surround plate
1	352500	Graphic display module to be used with speaker module 351100 or with audio/video modules 351200 – 351300 (connection using the multicable supplied). It can operate in two modes: call from address book, or digital call. The call from the address book gives the possibility of sending the call by scrolling on the display the names associated to the residents. It is possible to store up to 4000 residents names. Using the keypad module item 353000 it is also possible to directly call the apartment by entering the number corresponding to the resident. The digital call is also performed using the keypad module item 353000 by entering the numerical code. It is recommended that one or more nameplate modules, item 352200, are installed at the side of the pushbutton panel to display the correspondence between the numerical codes and the names of the users. It is possible to program the names in the address book in two different ways: manual inclusion using the pushbuttons of the display module or inclusion using a PC with the TiSferaDesign software installed, by downloading the file to the display module (RECOMMENDED). System power supply cuts do NOT cause the loss of memory data. To be completed with surround plate
1	352700	Inductive loop and control speech synthesis module to be used with the 351100 speaker module or with audio/video modules 351200 - 351300. Enable use by people wearing hearing aids (fitted with T selector) or blind people thanks to the connection status voice message synthesis (call active, call ended, no answer, busy, door open). It is connected to the speaker module using the appropriate multicable supplied. To be completed with surround plate. The device can be configured either physically or using the PC and the TiSferaDesign software









Pack	Item	Electronic modules
1	353000	Keypad module for door lock release, or for the digital call of the apartment (to be used with the display module). It is fitted with relay with contacts (C – NC – NO) and clamps (CP- P1 – P2) for the connection of a local door lock release pushbutton. The numerical code for the opening of the door lock can be programmed using the keypad itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDs for the visual notification of the access status. Night backlighting with LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation per la sola apertura serratura. Configuration performed using physical configurators, or a PC with the TiSferaDesign software installed
1	353200	RFID badge reader module for the release of the door lock by swiping the badge. It manages up to 20000 badges. It's fitted with relay contacts (C – NO - NC) and clamps (CP - P1 - P2) for the connection of a local door release pushbutton. The badge for the release of the door lock can be programmed from the module itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDs for the visual notification of the access status. Night backlighting a LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation. Configuration performed using physical configurators, or a PC with the TiSferaDesign software installed
1	346993	Expander pushbutton module that gives the possibility of connecting call pushbuttons to the SFERA speaker modules (items 351000; 351100; 351200; 351300). Each module can manage up to 8 call pushbuttons. It is possible to connect several expander pushbutton modules (max 96 call pushbuttons for each Entrance Panel)

Pack	Item	Transponder keys and programmer
10	348200	Black transponder key
10	348201	Red transponder key
10	348202	Green transponder key
10	348203	Blue transponder key
10	348204	Orange transponder key
10	348205	Grey transponder key
10	348206	Yellow transponder key
10	348207	White transponder key
1	348402	Table-top transponder key programmer

2 WIRES SYSTEM

SFERA NEW AUDIO








Examples of compositions with speaker module, item 351100

		FLUSH MOUNTED BOXES			FRAME + SURROUND PLATE			ELECTRONIC MODULES	
									
No. of calls		350010	350020	350030	35021..	35022..	35023..	351100	352000
PUSHBUTTONS ON SINGLE ROW	1	1			1			1	
	2	1			1			1	
	3		1			1		1	1
	4		1			1		1	1
	5		1			1		1	1
	6		1			1		1	1
	7			1			1	1	2
	8			1			1	1	2
	9			1			1	1	2
	10			1			1	1	2
PUSHBUTTONS ON DOUBLE ROW	11		1			1		1	
	12		1			1		1	
	13			1			1	1	
	14			1			1	1	
	15			1			1	1	
	16			1			1	1	
	17			1			1	1	
	18			1			1	1	
	19			1			1	1	
	20			1			1	1	

(*) - the speaker module is also available in the basic version (351000), with appropriate front covers.

NOTE: the double pushbutton row solution makes it possible to install systems with up to 20 call pushbuttons using only one flush mounted box.

Digital call audio composition with display module 352500 and keypad 353000

		FLUSH MOUNTED BOXES		FRAME + SURROUND PLATE		ELECTRONIC MODULES		
								
		350020	350030	35022..	35023..	351100	352500	353000
without keypad		1		1		1	1	
with keypad			1		1	1	1	1

NOTE: the display module item 352500 provides storage for up to 4000 residents names.



AUDIO + PUSHBUTTON CALL FRONT COVERS

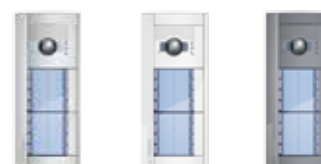
8 pushbuttons										
352100	35110..	35111..	35112..	35203..	35204..	35114..	35118..	35216..	35218..	
		1								
			1							
	1			1						
	1				1					
		1			1					
			1		1					
	1			1	1					
	1				2					
		1			2					
			1		2					
1							1		1	
1							1		1	
2	1							1	1	
2	1							1	1	
2	1								2	
2	1								2	
2						1			2	
2						1			2	
2							1		2	
2							1		2	

FRONT COVERS

35110..	35250..	35300..
1	1	
1	1	1

KEYPAD COLOUR RANGE

Replace the dots in the item code with the number corresponding to the desired colour



1. Allmetal 2. Allwhite 3. Allstreet











WARNING

- Add to the system composition any configurators needed.
- As an alternative to using the flush mounted boxes indicated, installation is also possible using wall mounted boxes with rainshield, available in different modularities (see catalogue).
- 1 to 9 module rainshields are available on request (see catalogue).
- The shown compositions are examples. IT is however possible to install compositions with pushbuttons on single or double rows depending on needs.

2 WIRES SYSTEM

SFERA ROBUR AUDIO




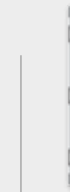



Examples of compositions with speaker module, item 351100

		FLUSH MOUNTED BOXES WITH TEARING PROTECTION			SUPPORT FRAME			ELECTRONIC MODULES				
												
		No. of calls	350110	350120	350130	350315	350325	350335	Speaker module (*)	4 pushbuttons	8 pushbuttons	351105
PUSHBUTTONS ON SINGLE ROW	1	1				1			1			
	2	1				1			1			
	3			1			1		1	1		1
	4			1			1		1	1		1
	5			1			1		1	1		
	6			1			1		1	1		
	7				1			1	1	2		1
	8				1			1	1	2		1
	9				1			1	1	2		
	10				1			1	1	2		
PUSHBUTTONS ON DOUBLE ROW	11			1					1		1	
	12			1					1		1	
	13				1			1	1		2	1
	14				1			1	1		2	1
	15				1			1	1		2	1
	16				1			1	1		2	1
	17				1			1	1		2	
	18				1			1	1		2	
	19				1			1	1		2	
	20				1			1	1		2	

(*) - the speaker module is also available in the basic version (351000), with appropriate front covers.

NOTE: the double pushbutton row solution makes it possible to install systems with up to 20 call pushbuttons using only one flush mounted box.

Digital call audio composition with display module 352500 and keypad 353000

		FLUSH MOUNTED BOX WITH TEARING PROTECTION		FRAME		ELECTRONIC MODULES		
								
		350120	350130	350325	350335	Speaker module	Display	Keypad
without keypad		1		1		1	1	
with keypad			1		1	1	1	1

NOTE: the display module item 352500 provides storage for up to 4000 residents names.



AUDIO + PUSHBUTTON CALL FRONT COVERS

SURROUND PLATE

AUDIO + PUSHBUTTON CALL FRONT COVERS								SURROUND PLATE		
351115	351125	352035	352045	351145	351185	352165	352185	350415	350425	350435
1								1		
	1							1		
		1							1	
			1						1	
1			1						1	
	1		1						1	
		1	1							1
			2							1
1			2							1
	1		2							1
					1		1		1	
					1		1		1	
						1	1			1
						1	1			1
							2			1
							2			1
				1			2			1
				1			2			1
					1		2			1
					1		2			1

FRONT COVERS

SURROUND PLATE

FRONT COVERS			SURROUND PLATE	
351105	352505	353005	350425	350435
1	1		1	
1	1	1		1



WARNING

- Add to the system composition any configurators needed.
- In alternative to flush mounted steel boxes with tearing protection, it is also possible to use plastic flush mounted boxes, items 350010, 350020, and 350030.
- SFERA ROBUR can be wall mounted using the specific boxes with built-in rainshield, available in several modularities (see catalogue).
- 1 to 9 module rainshields are available on request (see catalogue).
- The shown compositions are examples. It is however possible to install compositions with pushbuttons on single or double rows depending on needs.

2 WIRE SYSTEM









SFERA NEW VIDEO

Examples of composition with wide angle Night and Day camera module, item 352400

		FLUSH MOUNTED BOXES		FRAME + SURROUND PLATE		ELECTRONIC MODULES			
									
PUSHBUTTONS ON SINGLE ROW	No. of calls	350020	350030	35022..	35023..	352400	351100	352000	352100
	1	1		1		1	1		
	2	1		1		1	1		
	3		1		1	1	1	1	
	4		1		1	1	1	1	
	5		1		1	1	1	1	
6		1		1	1	1	1		
PUSHBUTTONS ON DOUBLE ROW	7		1		1	1	1		1
	8		1		1	1	1		1
	9		1		1	1	1		1
	10		1		1	1	1		1
	11		1		1	1	1		1
	12		1		1	1	1		1
	13	2		2		1	1		2
	14	2		2		1	1		2
	15	2		2		1	1		2
	16	2		2		1	1		2
	17	2		2		1	1		2
	18	2		2		1	1		2
	19	2		2		1	1		2
	20	2		2		1	1		2

For the connection of modules installed side by side, cable item 354000 (L=620 mm) must be used

Digital call video composition with display module 352500 and keypad 353000

		FLUSH MOUNTED BOXES		FRAME + SURROUND PLATE		ELECTRONIC MODULES			
									
		350030	350010	35023..	35021..	352400	351100	352500	353000
without keypad		1		1		1	1	1	
with keypad		1	1	1	1	1	1	1	1

NOTE: the display module item 352500 provides storage for up to 4000 residents names.



CAMERA + AUDIO PUSHBUTTON FRONT COVERS

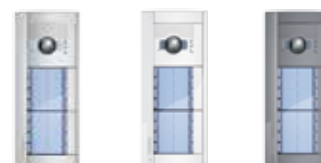
	35240..	35110..	35111..	35112..	35203..	35204..	35114..	35118..	35216..	35218..
	1		1							
	1			1						
	1	1			1					
	1	1				1				
	1			1	1					
	1			1		1				
	1	1								1
	1	1								1
	1						1			1
	1						1			1
	1							1		1
	1	1						1	1	1
	1	1						1	1	1
	1	1							1	2
	1	1								2
	1						1			2
	1						1			2
	1							1		2
	1							1		2

FRONT COVERS

	35240..	35110..	35250..	35300..
	1	1	1	
	1	1	1	1

KEYPAD COLOUR RANGE

Replace the dots in the item code with the number corresponding to the desired colour



1. Allmetal 2. Allwhite 3. Allstreet

WARNING

- Add to the system composition any configurators needed (software configuration using TiSferaDesign recommended).
- As an alternative to using the flush mounted boxes indicated, installation is also possible using wall mounted boxes with rainshield, available in different modularities (see catalogue).
- 1 to 9 module rainshields are available on request (see catalogue).
- The shown compositions are examples. It is however possible to install compositions with pushbuttons on single or double rows depending on needs.