

Sinthesi steel

Sinthesi Steel is the polished steel antivandal entry panel aided by tampering and impact resistance (IK09 degree).

Sinthesi Steel can be flush-mounted, wall-mounted in appropriate housing boxes which are compatible with Sinthesi's modularity.

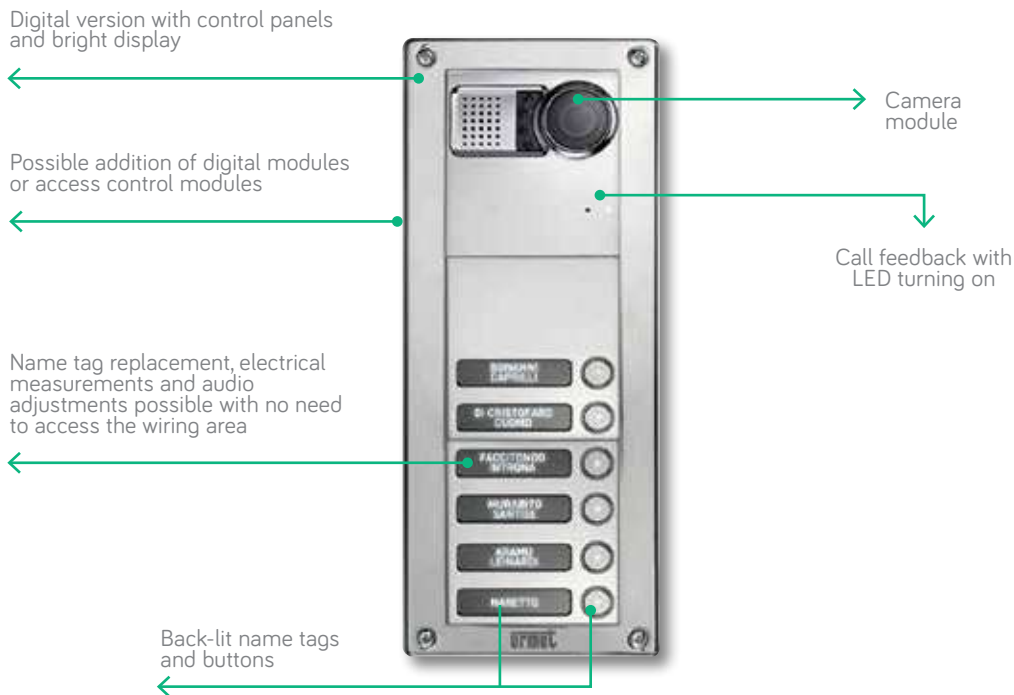
Wiring of digital systems is done with simple flat cables.

Sinthesi Steel may also be used as a system upgrade, since it features Sinthesi's outdoor analogue stations interface as well as Urmet's **Sinthesi** and **K-Steel** flush-mounting boxes.

Modules can be combined at will.

The panel has snap-on assembly, the only screws are located on the outer frame.

Thanks to speech synthesis modules, LED indicator module and interface modules for induction loop antenna for hearing-aid users, disabled persons, the visually-impaired and the hearing impaired can use the system normally. Proximity and access control modules provide keyless entry functionality for entrance gates and doors.



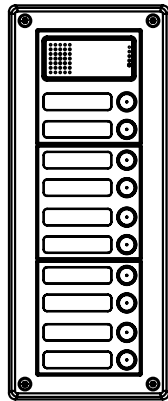
Sinthesi Steel is available with the new PVD colour finishes. For more information, please contact the sales network.



COMPATIBLE WITH



FEATURES



- > Vandal resistant steel body, with flush buttons
- > Compatible with Sinthesi and K-Steel flush-mounting boxes
- > Wide-angle camera 120°
- > White back-lighting and customizable name tag colours
- > Mechanical impact resistance degree: IK09
- > Compatible with analogue sinthesi outdoor stations
- > Pre-wired modules
- > IP45 protection degree (ingress of solid objects and water)






REFERENCES

		NO. OF BTNS	2 VOICE	COAX	5 WIRES	4+N	1+N	
BUTTON MODULES AND MODULES PRE-ARRANGED WITH LOUDSPEAKING UNIT								
1158/20	Module pre-arranged with loudspeaking unit	0	●	●	●	●		
1158/21	Module pre-arranged with loudspeaking unit	1	●	●	●	●		
1158/22	Module pre-arranged with loudspeaking unit	2	●	●	●	●		
1158/11	Button module	1	●	●	●	●		
1158/12	Button module	2	●	●	●	●		
1158/13	Button module	3	●	●	●	●		

NOTE: Module dimensions (W x H) 90 x 90 mm - 3.54 x 3.54 in.
 Name tag dimensions (W x H) 67 x 12.5 mm - 2.63 x 0.49 in except for module with 2 button rows sized (W x H) 40 x 12.5 mm - 1.57 x 0.49 in and 1148/50 building number module.







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		NO. OF BTNS	2 VOICE	COAX	5 WIRES	4+N	1+N	
BUTTON MODULES AND MODULES PRE-ARRANGED WITH LOUDSPEAKING UNIT								
1158/14	Button module	4	●	●	●	●	●	
1158/50	Building number module	-	●	●	●	●	●	
1158/59	Blank module	-	●	●	●	●	●	
1158/82	2-button module with integrated expander	2	●					
1158/84	4-button module with integrated expander	4	●					

NOTE: Module dimensions (W x H) 90 x 90 mm - 3.54 x 3.54 in.
 Name tag dimensions (W x H) 67 x 12.5 mm - 2.63 x 0.49 in except for module with 2 button rows
 sized (W x H) 40 x 12.5 mm - 1.57 x 0.49 in and 1148/50 building number module.

REFERENCES

		NO. OCCUPIED MODULES	2VOICE	COAX	5 WIRES	4+N	1+N	
LOUDSPEAKING UNIT AND MODULE WITH LOUDSPEAKING UNIT								
1145/500	Entry panel	-		●		●		
1145/67	Entry panel	-			●		●	
<i>NOTE: To be matched to modules pre-arranged with loudspeaking unit</i>								
1083/64	2VOICE AUDIO MODULE WITH 2 BUTTONS AND LOUDSPEAKING UNIT On a single Sinthesi Steel module, it is provided with microphone, loudspeaker and 2 call buttons. Two outputs for door release and second car entry with relay. Two inputs for local door release button and door open signalization. Dip switch to set the module address, the door open mode (free or after a call only). It's possible to set the time for the door opening. Connector for ILA module and for DDA module.	1	●					
<i>NOTE: Module dimensions (W x H) 90 x 90 mm - 3.54 x 3.54 in. Name tag dimensions (W x H) 67 x 12,5 mm - 2.63 x 0.49 in except for module with 2 button rows sized (W x H) 40 x 12,5 mm - 1.57 x 0.49 in and 1145/50 building number module with dimensions (W x H) 57 x 60 mm - 2.24 x 2.36 in.</i>								
1083/14	CALL MODULE WITH 2VOICE DIGITAL NUMERICAL KEYBOARD FOR SINTHESI STEEL AND FOR EXIGO DIGITAL 2 modules Sinthesi Steel. Equipped with alphanumeric keyboard, arrow keys to select names from electronic directory, 2-line and 16-character display. Programming using Bluetooth interface from smartphone and tablet. It can be added with a camera module for video installations.		●					
1083/63	OUTDOOR VIDEO STATION - SINTHESI STEEL 2Voice outdoor video station for 60 Hz system (2 modules). Features 2 call keys, colour camera with LED lighting, loudspeaker and microphone. Two outputs for door release and second car entry with relay. Recessed mount box, frame and trim not included. It's possible to connect up to 5 outdoor cameras.							
ACCESSORIES								
1158/74	CONVERSATION PRIVACY DEVICE One every four users in 1+n audio and 5-wire video systems.							
1083/17	16-BUTTON EXPANSION MODULE FOR DIGITAL SYSTEMS For expanding the number of call buttons on ref. 1083/62 and ref. 1083/6 module.							
1758/107	FRONT PANEL WITH ONE CALL BUTTON FOR 1083/62 MODULE							
1758/108	FRONT PANEL WITH TWO CALL BUTTONS FOR 1083/62 AND 1060/71 MODULES							

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		NO. OCCUPIED MODULES	NO. OF BTNS	KIT IP	IPERCOM	2VOICE	COAX	5 WIRES	
CAMERA MODULE WITH/WITHOUT LOUDSPEAKING UNIT									
1758/83	2VOICE SYNTHESI STEEL COLOUR CAMERA MODULE > Color camera module with LED lighting > Jumper selection for 50-60Hz operation mode > To be used with ref.1083/64 in video door phone systems	1	-			●			
1758/40	2VOICE SYNTHESI STEEL COLOUR CAMERA MODULE > Color camera module with LED lighting > Jumper selection for 50-60Hz operation mode > To be used with ref.1083/14 in video door phone systems	1	-				●	●	
1758/49	2VOICE SYNTHESI STEEL COLOUR CAMERA MODULE Same specification as ref. 1758/40 but for 60Hz system	1	-				●	●	
1060/71	IP VILLA KIT COLOUR CAMERA MODULE WITH LOUDSPEAKING UNIT AND 1 BUTTON To be used to expand the Ref. 1060/611 one family kit with other entrance. PoE power supply. Frame and embedded box are not included.	2	1		●				
1060/74	IPERCOM VIDEO OUTDOOR PANEL - SYNTHESI STEEL Synthesi Steel design style (2 modules). Includes colour camera with lighting. 2 call keys and loudspeaking unit. Handles 2 electric locks; features hallway pushbutton and door open warning. Frame and embedded box are not included.	2	2		●				

REFERENCES

		NO. OCCUPIED MODULES		
SPECIAL MODULES				
1158/47	DDA Stainless steel module with call feedback with voice messages and LED for system status check. Compliant with ETS300381 and EN60118 European standards.	1		
1158/48	Stainless steel module, door phone conversation can be heard by the hearing impaired.	1		
<i>NOTE: Module dimensions (W x H) 90 x 90 mm - 3.54 x 3.54 in.</i>				
		NO. OCCUPIED MODULES		
DOOR-OPENER MODULES				
1158/45	DOOR-OPENER MODULE FOR PROXIMITY KEYS <i>NOTE: Compatible with all systems. Manages up to 500 keys; expandable up to 2000 keys when additional memory 1102/52 is installed. Power supply 12 Vac</i>	1		
1158/46	DOOR-OPENER MODULE WITH CONTROL PANEL <i>NOTE: Compatible with all systems. Stores up to 8 access codes and opens 2 electric locks independently. Monostable and bistable operation. Power supply 12 Vac</i>	1		
<i>NOTE: Module dimensions (W x H) 90 x 90 mm - 3.54 x 3.54 in.</i>				
DOOR-OPENER MODULE ACCESSORIES				
1125/50	KIT WITH 10 KEYS FOR 1158/45 PROXIMITY MODULE			

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		DIMENSIONS (W x H x D) mm	DIMENSIONS (W x H x D) in.	NO. MODULES	MATERIAL
FLUSH-MOUNTING BOXES AND FRAMES					
1145/51	Flush-mounting box	118 x 114 x 45	4.64 x 4.48 x 1.77	1	Plastic
1145/52	Flush-mounting box	118 x 204 x 45	4.64 x 8.03 x 1.77	2	Plastic
1145/53	Flush-mounting box	118 x 294 x 45	4.64 x 11.57 x 1.77	3	Plastic
1145/54	Flush-mounting box	118 x 384 x 45	4.64 x 15.11 x 1.77	4	Plastic
1158/41	Flush-mounting box	125 x 119	4.92 x 4.68	1	Iron
1158/42	Flush-mounting box	125 x 209	4.92 x 8.22	2	Iron
1158/43	Flush-mounting box	125 x 299	4.92 x 11.77	3	Iron
1158/44	Flush-mounting box	125 x 389	4.92 x 15.31	4	Iron
1158/61	Frame with module holder	125 x 119	4.92 x 4.68	1	Steel
1158/62	Frame with module holder	125 x 209	4.92 x 8.22	2	Steel
1158/63	Frame with module holder	125 x 299	4.92 x 11.77	3	Steel
1158/64	Frame with module holder	125 x 389	4.92 x 15.31	4	Steel



REFERENCES

		DIMENSIONS (W x H x D) mm	DIMENSIONS (W x H x D) in	NO. MODULES	NO. ROWS	MATERIAL
RAIN HOOD						
1158/611	Rain hood	158 x 151 x 22	6.22 x 5.94 x 0.86	1	1	Aluminium silver color
1158/612	Rain hood	158 x 241 x 22	6.22 x 9.48 x 0.86	2	1	Aluminium silver color
1158/613	Rain hood	158 x 331 x 22	6.22 x 13.03 x 0.86	3	1	Aluminium silver color
1158/614	Rain hood	158 x 421 x 22	6.22 x 16.57 x 0.86	4	1	Aluminium silver color
1158/624	Rain hood	287 x 241 x 22	11.29 x 9.48 x 0.86	4	2	Aluminium silver color
1158/626	Rain hood	287 x 331 x 22	11.29 x 13.03 x 0.86	6	2	Aluminium silver color
1158/639	Rain hood	416 x 331 x 22	16.37 x 13.03 x 0.86	9	3	Aluminium silver color

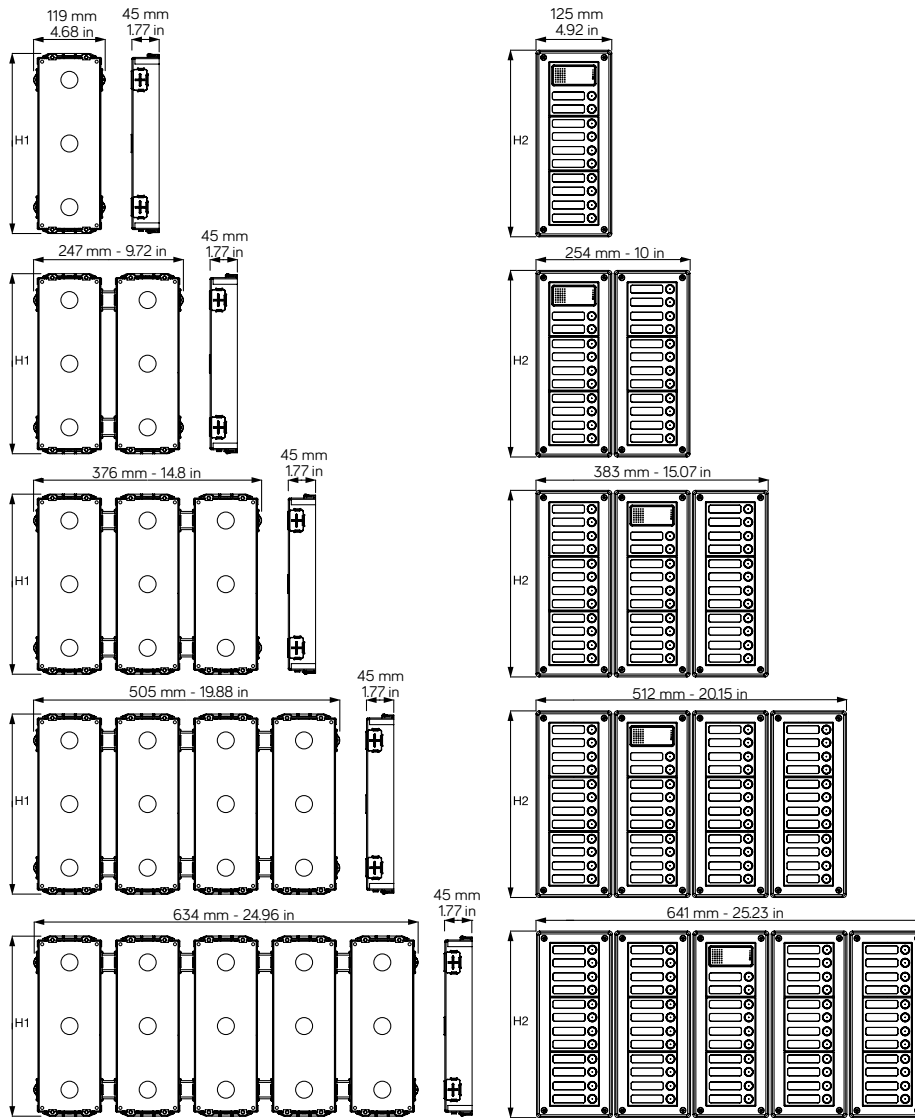


		DIMENSIONS (W x H x D) mm	DIMENSIONS (W x H x D) in	NO. MODULES	N. ROWS	MATERIAL
WALL MOUNTING BOX WITHOUT FRAME						
1148/311	Wall mounting box with hood	157 x 151 x 59	6.18 x 5.94 x 2.32	1	1	Aluminium silver color
1148/312	Wall mounting box with hood	157 x 241 x 59	6.18 x 9.48 x 2.32	2	1	Aluminium silver color
1148/313	Wall mounting box with hood	157 x 331 x 59	6.18 x 13.03 x 2.32	3	1	Aluminium silver color
1148/314	Wall mounting box with hood	157 x 421 x 59	6.18 x 16.57 x 2.32	4	1	Aluminium silver color
1148/324	Wall mounting box with hood	286 x 241 x 59	11.25 x 9.48 x 2.32	4	2	Aluminium silver color
1148/326	Wall mounting box with hood	286 x 331 x 59	11.25 x 13.03 x 2.32	6	2	Aluminium silver color
1148/339	Wall mounting box with hood	416 x 331 x 59	16.37 x 13.03 x 2.32	9	3	Aluminium silver color



Technical information

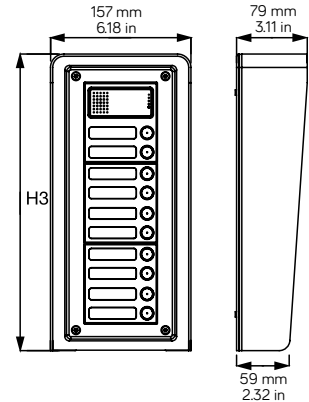
FRAMES, EMBEDDING BOXES



	H1	H2
For 1 module	117 mm	127 mm
For 2 modules	207 mm	217 mm
For 3 modules	297 mm	307 mm
For 4 modules	387 mm	397 mm

	H1	H2
For 1 module	4.6 in	5 in
For 2 modules	8.14 in	8.54 in
For 3 modules	11.69 in	12.08 in
For 4 modules	15.23 in	15.62 in

MODULES



	H3
For 1 module	151,5 mm
For 2 modules	241,5 mm
For 3 modules	331,5 mm
For 4 modules	421,5 mm

	H3
For 1 module	5.96 in
For 2 modules	9.50 in
For 3 modules	13.05 in
For 4 modules	16.59 in