

Modular and Compact size door panels

Main mechanical features of 'Stadio Plus' panels:

- Front of 1.8mm. thick extruded aluminium with sandy finish.
- Compact size and modular systems, with self-screwing system for modules attachment.
- More than 30 modules references, allowing any configuration or application.
- Selectable door panel opening direction.
- Interchangeable single or double push buttons with stainless steel cover.
- Easily seen light button or steady illumination at the door panel.
- Decorative closing heads.

In case of coded modules for digital installation:

- Illuminated keypad with stainless steel covered push buttons, and 2 x 16 bias lighted LCD display with polycarbonate protection.



Mechanical modules

Mechanics door panel configuration depends on the number of push buttons.

For systems up to 10 push buttons:

Select a 1xxx compact size module for video door panels or a 2xxx compact size module for audio door panels (pag. 44 to 46).

CE615 embedding box is required (pag. 50).

The compact size modules include the 600/AL closing heads.

If door panel accessories are required, refer to pages 50 to 54.

For systems with more than 10 push buttons:

Select a 1xxx grille module for video door panels or a 2xxx grille module for audio door panels (pag. 46 and 47). Add 3xxx push buttons modules to obtain the desired number of push buttons (pag. 47 to 49). The maximum number of modules vertically placed is three; there is no limit for the number of modules to be horizontally placed.

Select an embedding box according to the number of modules vertically placed (one, two or three); order as many embedding boxes as horizontally modules the panel has. Use UC cable tunnels to attach them (pag. 50).

Finish the door panel with as many 600/AL closing heads as embedding boxes the panel has (pag. 49).

If door panel accessories are required, refer to pages 50 to 54.

Once the mechanics configuration has been finished, complete the door panel with electronic modules, which will depend on the installation type (pag. 55 to 58).

Compact size modules



2130/AL

Compact size audio module.

11282130

3 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

2140/AL

Compact size audio module.

11282140

4 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

2150/AL

Compact size audio module.

11282150

5 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

2260/AL

Compact size audio module.

11282260

6 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.



Mechanical modules

Compact size modules



2280/AL

Compact size audio module.

11282280

8 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

2210/AL

Compact size audio module.

11282210

10 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.



1111/AL

Compact size video module.

11781111

1 push buttons.
Informative window.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

1121/AL

Compact size video module.

11781121

2 push buttons.
Informative window.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.



1131/AL

Compact size video module.

11781131

3 push buttons.
Informative window.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

1140/AL

Compact size video module.

11781140

4 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.



1150/AL

Compact size video module.

11781150

5 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

Mechanical modules

Compact size modules



1261/AL

Compact size video module.

11781261

6 push buttons.
Informative window.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.

1280/AL

Compact size video module.

11781280

8 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.



1210/AL

Compact size video module.

11781210

10 push buttons.
Includes 600/AL closing heads.
Dimensions: 134(W) x 228(H) mm.



Grille modules



2000/AL

Audio grille module.

11282000

Without push buttons.
Dimensions: 134(W) x 116(H) mm.

2001/AL

Audio grille module.

11282001

Without push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



2110/AL

Audio grille module.

11282110

1 push button.
Dimensions: 134(W) x 116(H) mm.



2220/AL

Audio grille module.

11282220

2 push buttons.
Dimensions: 134(W) x 116(H) mm.



Mechanical modules

Grille modules



1000/AL

Video grille module.

11781000

Without push buttons.
Dimensions: 134(W) x 116(H) mm.

1001/AL

Video grille module.

11781001

Without push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



1110/AL

Video grille module.

11781110

1 push button.
Dimensions: 134(W) x 116(H) mm.

1220/AL

Video grille module.

11781220

2 push buttons.
Dimensions: 134(W) x 116(H) mm.



Push buttons modules



3110/AL

Single push button module.

11283110

1 push button.
Dimensions: 134(W) x 116(H) mm.

3111/AL

Single push button module.

11283111

1 push button.
Informative window.
Dimensions: 134(W) x 116(H) mm.



3120/AL

Single push button module.

11283120

2 push buttons.
Dimensions: 134(W) x 116(H) mm.

3121/AL

Single push button module.

11283121

2 push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



Mechanical modules

Push buttons modules



3130/AL

Single push button module.

11283130

3 push buttons.
Dimensions: 134(W) x 116(H) mm.

3131/AL

Single push button module.

11283131

3 push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



3140/AL

Single push button module.

11283140

4 push buttons.
Dimensions: 134(W) x 116(H) mm.

3150/AL

Single push button module.

11283150

5 push buttons.
Dimensions: 134(W) x 116(H) mm.



3220/AL

Double push button module.

11283220

2 push buttons.
Dimensions: 134(W) x 116(H) mm.

3221/AL

Double push button module.

11283221

2 push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



3240/AL

Double push button module.

11283240

4 push buttons.
Dimensions: 134(W) x 116(H) mm.

3241/AL

Double push button module.

11283241

4 push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



Mechanical modules

Push buttons modules



3260/AL

Double push button module.

11283260

6 push buttons.
Dimensions: 134(W) x 116(H) mm.

3261/AL

Double push button module.

11283261

6 push buttons.
Informative window.
Dimensions: 134(W) x 116(H) mm.



3280/AL

Double push button module.

11283280

8 push buttons.
Dimensions: 134(W) x 116(H) mm.

3210/AL

Double push button module.

11283210

10 push buttons.
Dimensions: 134(W) x 116(H) mm.



Blank modules



3000/AL

Blank module.

11283000

Without push buttons.
Dimensions: 134(W) x 116(H) mm.

3001/AL

Blank module.

11283001

Without push buttons.
Small informative window.
Dimensions: 134(W) x 116(H) mm.



3002/AL

Blank module.

11283002

Without push buttons.
Large informative window.
Dimensions: 134(W) x 116(H) mm.

Closing heads

600/AL

Closing heads.

11280600

Include fixing screws and hinges.



Mechanical modules

Embedding boxes



CE610

Embedding box.

11280610

For door panels with 1 module.
Dimensions: 125(W) x 140(H) x 56(D) mm.

CE615

Embedding box.

11280615

For compact size door panels.
Dimensions: 125(W) x 220(H) x 56(D) mm.



CE620

Embedding box.

11280620

For door panels with 2 vertical modules.
Dimensions: 125(W) x 257(H) x 56(D) mm.

CE630

Embedding box.

11280630

For door panels with 3 vertical modules.
Dimensions: 125(W) x 374(H) x 56(D) mm.



UC

Cable tunnel.

11259990

For attachment of 2 embedding boxes.

Surface boxes with integrated rain shield



871/AL

Surface box with integrated rain shield.

11280871

Exclusive for audio systems with 4+'n' installation.

For door panels with 1 module.
Does not use embedding box.
32 mm. depth only.

875/AL

Surface box with integrated rain shield.

11280875

Exclusive for audio systems with 4+'n' installation.

For compact size door panels.
Does not use embedding box.
32 mm. depth only.



872/AL

Surface box with integrated rain shield.

11280872

N

Exclusive for audio systems with 4+'n' installation.

For door panels with 2(H) x 1(W) modules.
Does not use embedding box.
32 mm. depth only.

Mechanical modules

Horizontally linkable surface boxes

Available from 1st quarter 2006



881/AL

Horizontally linkable surface box.

11280881



Exclusive for audio systems with 4+'n' installation.

Cannot be used with rain shield.

Does not use embedding box.

For door panels with 1 module.

Dimensions: 134(W) x 148(H) x 32(D) mm.

885/AL

Horizontally linkable surface box.

11280885



Exclusive for audio systems with 4+'n' installation.

Cannot be used with rain shield.

Does not use embedding box.

For compact size door panels.

Dimensions: 134(W) x 240(H) x 32(D) mm.



882/AL

Horizontally linkable surface box.

11280882



Exclusive for audio systems with 4+'n' installation.

Cannot be used with rain shield.

Does not use embedding box.

For door panels with 2 modules vertically placed.

Dimensions: 134(W) x 265(H) x 32(D) mm.

883/AL

Horizontally linkable surface box.

11280883



Exclusive for audio systems with 4+'n' installation.

Cannot be used with rain shield.

Does not use embedding box.

For door panels with 3 modules vertically placed.

Dimensions: 134(W) x 382(H) x 32(D) mm.



Rain shields



711/AL

Rain shield.

11280711

For door panels with 1 module.

705/AL

Rain shield.

11280705

For compact size door panels.



721/AL

Rain shield.

11280721

For door panels with 2(H) x 1(W) modules.



Mechanical modules

Rain shields



731/AL

Rain shield.

11280731

For door panels with 3(H) x 1(W) modules.

722/AL

Rain shield.

11280722

For door panels with 2(H) x 2(W) modules.



732/AL

Rain shield.

11280732

For door panels with 3(H) x 2(W) modules.

Surface boxes for digital systems



811/AL

Surface box.

11280811

For door panels with 1 module.
Requires embedding box.
Dimensions: 150(W) x 160(H) x 61(D) mm.

805/AL

Surface box.

11280805

For compact size door panels.
Requires embedding box.
Dimensions: 150(W) x 240(H) x 61(D) mm.



821/AL

Surface box.

11280821

For door panels with 2(H) x 1(W) modules.
Requires embedding box.
Dimensions: 150(W) x 277(H) x 61(D) mm.

831/AL

Surface box.

11280831

For door panels with 3(H) x 1(W) modules.
Requires embedding box.
Dimensions: 150(W) x 394(H) x 61(D) mm.



822/AL

Surface box.

11280822

For door panels with 2(H) x 2(W) modules.
Requires embedding box.
Dimensions: 284(W) x 277(H) x 61(D) mm.

Mechanical modules

Surface boxes for digital systems



832/AL

Surface box.

11280832

For door panels with 3(H) x 2(W) modules.
Requires embedding box.
Dimensions: 284(W) x 394(H) x 61(D) mm.

45° surface boxes



SUP-EL500

Bracket for 45° surface boxes.

11788950

For systems with digital installation.
One unit is required for each EL500 or EL516 module.

911/AL

45° surface box.

11280911

For door panels with 1 module.
Does not use embedding box.
Dimensions: 140(W) x 151(H) x 140(D) mm.



905/AL

45° surface box.

11280905

For compact size door panels.
Does not use embedding box.
Dimensions: 140(W) x 231(H) x 140(D) mm.

921/AL

45° surface box.

11280921

For door panels with 2(H) x 1(W) modules.
Does not use embedding box.
Dimensions: 140(W) x 268(H) x 140(D) mm.



931/AL

45° surface box.

11280931

For door panels with 3(H) x 1(W) modules.
Does not use embedding box.
Dimensions: 140(W) x 385(H) x 140(D) mm.

922/AL

45° surface box.

11280922

For door panels with 2(H) x 2(W) modules.
Does not use embedding box.
Dimensions: 274(W) x 272(H) x 274(D) mm.



Mechanical modules

45° surface boxes



932/AL

45° surface box.

11280932

For door panels with 3(H) x 2(W) modules.
Does not use embedding box.
Dimensions: 274(W) x 389(H) x 274(D) mm.

Replacement frames



611/AL

Replacement frame.

11280611

Covers the existing hole from larger panels.
For door panels with 1 module.
Dimensions: 200(W) x 278(H) mm.

605/AL

Replacement frame.

11280605

Covers the existing hole from larger panels.
For compact size door panels.
Dimensions: 200(W) x 395(H) mm.



621/AL

Replacement frame.

11280621

Covers the existing hole from larger panels.
For door panels with 2(H) x 1(W) modules.
Dimensions: 200(W) x 395(H) mm.

631/AL

Replacement frame.

11280631

Covers the existing hole from larger panels.
For door panels with 3(H) x 1(W) modules.
Dimensions: 200(W) x 512(H) mm.



622/AL

Replacement frame.

11280622

Covers the existing hole from larger panels.
For door panels with 2(H) x 2(W) modules.
Dimensions: 334(W) x 395(H) mm.

632/AL

Replacement frame.

11280632

Covers the existing hole from larger panels.
For door panels with 3(H) x 2(W) modules.
Dimensions: 334(W) x 512(H) mm.



Electronic modules

Audio systems with 4+'n' installation

Buildings with one access door.

Use an EL555 sound module (selectable electronic or buzzer call types) (pag. 55).

Buildings with several access doors.

Use an EL551 sound module (electronic call) for each door panel (pag. 55).

Residential complexes with main entrance(s) door panel(s) and several internal buildings.

Use an EL551 sound module (electronic call) for each door panel (pag. 55).

Use an EL505 microprocessed module in the main entrance panel for each 2 internal buildings (pag. 55).

A TF-104 transformer (pag. 59) will be required for each door panel. In case of residential complexes, 2 units of TF-104 will be used for each main entrance door panel.

Use 12Va.c. lock releases (pag. 78 and 79).

Use 4+'n' installation electronic or buzzer call telephones (pag. 62 and 66) according to the sound module call type. The maximum number of telephones inside the same apartment is three.

Schematic diagrams and sections chart are shown on pages 96 and 97.

All necessary items to configurate 10 push buttons systems with one access door, with the exception of the lock release, are contained in 4110/AL to 4210/AL kits (pages 11, 14 and 15).

The main electronic characteristics of these modules are:

Sound module with independent door panel and telephone adjusting level volume.

Electronic call (even buzzer on EL555 sound module) with acoustic acknowledgement signal, confirming that the call is in progress.

EL551 sound module for systems with several access doors:

External switching units are not required.

Two selectable electronic call types at the door panel, allowing the tenant to distinguish which door panel is calling.

While busy channel conditions, the light push button changes its color when acoustic tones are reproduced on the door panel if someone tries to make a call.

Handset hang recognition that removes busy channel fixed times.

EL505 microprocessed module for main entrance door panels of residential complexes:

Management of two internal building door panels.

Outputs for busy channel indication in modules with informative window.



EL555	Sound module.	11280555
--------------	----------------------	----------

- For 1 access door systems.
Selectable electronic or buzzer call types.

EL551	Sound module.	11380551
--------------	----------------------	----------

- For systems with several access doors.
Electronic call.



EL505	Microprocessed module.	11380505
--------------	-------------------------------	----------

- For main entrance door panels of residential complexes.
Management of 2 internal buildings door panels.



Electronic modules

Audio and Video systems with digital installation

Components of audio and video systems with 'Plus' digital installation are fully compatible, allowing any type of combination without switching units: audio with video door panels (both 'Stadio' and vandal resistant), telephones with monitors, ... These systems allow configurations of up to 120 push buttons; in case of a higher number of apartments, coded panels should be used.

Audio systems with 4 wires installation.

Select an EL540 sound module (pag. 57) and an EL500 microprocessed module (pag. 58).

If more than 8 push buttons, use an EL516 push buttons encoder (pag. 58) for each additional group of 15 push buttons.

Use T-740 Uno (pag. 63), T-940 Uno or T-940 Plus (pag. 67) telephones.

Video systems with 3 wires + coaxial cable or 4 wires + twisted pair.

Select an EL530 (b/w camera) or an EL531 (color camera) sound module (pag. 57), and an EL500 microprocessed module (pag. 58). Add an EL560 transmitter module (pag. 58) for 4 wires + twisted pair installations.

If more than 8 push buttons, use an EL516 push buttons encoder (pag. 58) for each additional group of 15 push buttons.

Use Platea Plus or Platea Uno monitors together with the corresponding wall mounting connector (RCPL-Plus or RCPL-Uno respectively). In case of 4 wires + twisted pair installation, add an EL562 receiver module in each monitor (pag. 71 and 72).

Residential complexes with main entrance(s) door panel(s) and several internal buildings.

Proceed as detailed on previous paragraphs to configurate the electronics of the main entrance panel. Use an EL501 microprocessed module (pag. 58) instead the EL500.

Systems with coded panels.

Coded door panels can be programmed to be used in single buildings with one or several entrances and in main entrances of residential complexes with several internal buildings.

Use a sound module from the ones specified on previous paragraphs.

Add a 3403/AL coded call module, which includes all necessary electronics (pag. 58).

Operating instructions and apartments codes are shown on the LCD display; however, these informations can be directly consulted by adding 3002/AL informative modules (pag. 49).

In case of systems containing "Uno" monitors or telephones, the maximum number of units is reduced to 200, and the total lenght of the installation can be no longer than 200 meters, measured from the door panel to the distant unit. To increase the number of units or to reach longer distances, use RD-Plus/Uno digital repeaters (pag. 68 and 76). In internal door panels of residential complexes, use one repeater on each panel containing "Uno" units.

Use a FA-Plus/C power supply on systems with 10 or less monitors or telephones, or a FA-Plus power supply for each group of 50 monitors or telephones. Use a FA-Plus/C power supply for slave panels of systems with several access door panels, and in main entrances panels for residential complexes (pag. 42).

The maximum number of units inside the same apartment is three.

Use 12Vd.c. lock releases (pag. 79).

Schematic diagrams and sections chart are shown on pages 98 to 105.

All necessary items to configurate up to 10 push buttons door panels, or coded call door panels, are contained in packs (pages 22 to 24).

Electronic modules

Audio and Video systems with digital installation

The main electronic features of these modules are:

- Audio and video sound modules with door panel and monitor (telephone) adjusting level volume.
- Adjustable pan CCD b/w or color camera with electronic iris and light emitters for night vision (only in EL530 and EL531 sound modules).
- Input for EL560 transmitter module that allows the transmission of the video signal over a twisted pair instead of a coaxial cable.
- On site programming connector for Platea Uno monitors using EL500/PL-Uno interface (pag. 72).
- Privacy on audio, video and door open progresses.
- Acoustic acknowledgement signals at the door panel confirming that the call is in progress or the system is busy. In case of coded door panels, the display will also show this information.
- Handset hang recognition that removes busy channel fixed times.
- D.c. lock releases activation with acoustic acknowledgement signal.

EL500 and EL501 microprocessed modules for push buttons door panels:

- Inputs for 8 push buttons or 8 units of EL516 encoder modules of 15 push buttons each, obtaining a maximum of 120 push buttons.

The main features of the coded call module are:

- Management of up to 255,000 apartments in a total of 255 buildings with coded door panels, or 15,240 apartments in a total of 127 buildings with 'Stadio Plus' push buttons panels.
- Easy system programming through the keypad or using a computer.
- Selectable language.
- Text edition like a mobile phone keypad.
- Transmission of the repertory content to other door panels or porter's exchanges through the installation wires.
- Programmable lock release activation time between 0 and 99 seconds.
- Two calling methods: direct entry of the apartment code or by searching the tenant name in the repertory.
- Four codes access control of four digits each. The third code can be temporarily disabled. The last code (panic code), sends an alert message to the porter's exchange.
- Cyclic messages with instructions for use, time, user text (i.e. building or street names) and system status are shown in the display.



EL530

Sound module.

11780530

- ▲ ▲ For video systems.
B/W camera.

EL531

Sound module.

11780531

- ▲ ▲ For video systems.
Color camera.



EL540

Sound module.

11780540

- For audio systems.

Electronic modules

Audio and Video systems with digital installation


EL500
Microprocessed module.

11780500


 For push buttons panels.
Inputs for 8 push buttons or 8 units of EL516 encoders.

EL501
Microprocessed module.

11780501


 For main entrance push buttons panels of residential complexes.
Inputs for 8 push buttons or 8 units of EL516 encoders.

EL516
Push buttons encoder module.

11780516


 For push buttons panels.
15 push buttons enlargement.

3403/AL
Coded call module.

11783403


 Includes electronics, LCD display and keypad.
Dimensions: 134(W) x 116(H) mm.

EL560
Video transmitter module.

11780560


 For video systems.
Transmits video signal over twisted pair.

Access control

Stand alone access control module, which can be combined on any 'Stadio Plus' modular panel.

System programming through the keypad, with acoustic acknowledgement signal on push.

2 output relays with 8 activation codes each one and an independent panic code.

4, 5 or 6 digits programmable codes.

One code can be used to activate more than one relay.

Relay 1: n/c or n/o, single shoot or stable software programmable.

Relay 2: single shoot with three contacts (n/c or n/o).

Programmable activation time from 0 to 20 seconds in single shoot mode.

After introduction of 3 wrong consecutive codes, in a period of less than 15 seconds, the access control is disabled during 3 minutes. After this time, if 3 wrong consecutive codes are introduced again, the disabled time is doubled up to a maximum of 12 minutes.

12Vd.c. battery input without charge management.


3301/AL
Access control module.

11283301


 Includes electronics and keypad.
Dimensions: 134(W) x 116(H) mm.

Transformers and power supplies

In compliance with low voltage directives and electromagnetic compatibility directives. Short circuit and overload protections (except on TF-104). Installation over DIN 46277 guide or surface mounting with screws.

TF-104.

For audio systems with 4+'n' installation.
12Va.c. output. 230Vc.a. / 18VA input.

FA-805.

For villas digital systems with 4 wires, 3+coaxial or 4+twisted pair installations.
18Vd.c. and 12Va.c. outputs. 110 or 230Va.c. / 38VA inputs.

FA-Plus/C.

For audio and video systems with digital installation.
To be used on systems with 10 or less monitors or telephones, slave panels of systems with several access doors and main entrance panels for residential complexes.
18Vd.c. output. 110 to 230Va.c. / 27VA input.

FA-Plus.

For audio and video systems with digital installation.
To be used on systems with up to 50 monitors or telephones.
18Vd.c. output. 110 to 230Va.c. / 72VA input.



TF-104

Transformer.

20691040

■ For audio systems with 4+'n' installation.
 Dimensions: 52(W) x 90(H) x 60(D) mm. (3 DIN).

FA-805

Power supply.

11704805

▲ ▲ For villas audio or video systems with digital installation.
 Dimensions: 124(W) x 90(H) x 75(D) mm. (7 DIN).



FA-PLUS/C

Power supply.

11705107

▲ ▲ ■ For digital systems with up to 10 monitors or telephones.
 Dimensions: 107(W) x 90(H) x 60(D) mm. (6 DIN).

FA-PLUS

Power supply.

11705109

▲ ▲ ■ For digital systems with up to 50 monitors or telephones.
 Dimensions: 178(W) x 90(H) x 60(D) mm. (10 DIN).

