

DOOR ENTRY SYSTEMS

Video and audio intercom | Access control
Home automation

ALCAD
h o m e



**SHORT FORM
CATALOGUE**
2024

USOA



ALOI



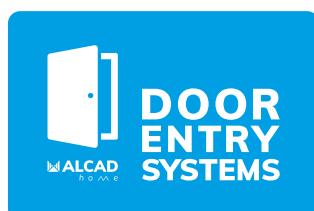
For the **elegant**

iBLACK



for the **sophisticated**

For the **resistant**



Because not all people
are the same, neither
are the **ranges of**
ALCAD video door
entry systems.



+ info

IPAL



For the **techie**

An entrance
panel
**for every
lifestyle**

ALCAD
home

KIT ERLEA PLUS



for all **the family**

Enara 4,3" monitor

MVC-141 model

Integrated
**ACTIVE
VIEW**
TECHNOLOGY

Colours as
you have never
seen before



WDR function: delivers
stunning image quality,
even in extreme conditions

The most compact
hands-free monitor

'Do not disturb'
function

4.3-inch
screen
compatible
with the
Active View
technology of
our cameras

Neutral,
minimalist
design



Backlit capacitive
buttons

Recording of
images and videos



Micro SD
card slot



Answer



Open



Aux



Look

Characteristics

- Improved image quality.
- Record of unanswered calls.
- Compatible with the Active View technology of our cameras.
- Languages: English, French, Italian, Portuguese, Turkish, Czech...
- Button for auxiliary functions.

Short form catalogue DOOR ENTRY SYSTEMS 2024

How to choose the best solution for your installation

- 1 Choose between our 4 **systems**: IPAL (100% IP), 2-WIRE, DIGITAL and 4+N
- 2 Based on the **type of installation**, select the items you want to include:

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SOLUTIONS FOR: **SINGLE FAMILY HOMES & PUBLIC PREMISES**

- The **Kits by ALCAD** are designed for small installations, mostly single family homes and public premises (businesses, offices, stores, etc.). Choose a system and select between:
 - [Video door entry kits](#)
 - [Audio door entry kits](#)
- If necessary, choose your **accessories**. Including:
 - [Electric locks](#)
 - [Additional entry panels](#)
 - [Additional handsets / monitors](#)

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SOLUTIONS FOR: **BUILDINGS**

- All of our **systems for buildings** are designed to meet different needs. Start by choosing the system that best suits your installation – if you have any questions, you will find:
 - [Summary of technologies](#)
 - [Comparison of features](#)
- The elements of each system are **arranged in sections in a hierarchical way**, so that you can add, in a comfortable way, everything that you will need. Basically:
 - [Indoor terminals](#)
 - [Entrance panels](#)
 - [Electric locks](#)
 - [Guard unit *](#)
 - [Power supply units, splitters](#)
- At the end of each section you will find a list of related accessories.
- At the end of each system you will find standard examples to perform:
 - [Diagrams](#)
 - [Quotes](#)
- Finally, you can also add our **iACCESS access control system**, compatible with all the ALCAD systems.

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APPENDIX

We answer all your **queries** related to:

- Special product orders and custom manufacturing products:
 - [Examples of special products orders](#)
- Choice of accessories for entrance panels: flush-mounted boxes, surface boxes and rain shields.
 - [Dimensions and accessories](#)
- Complete lists of products, both by code and by model.
 - [Lists of products](#)

* DIGITAL system



KIT erlea plus

The perfect union between design & technology

2 WIRE video intercom kit for installations in a single-family home.

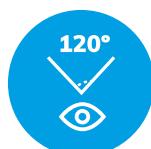
It facilitates access control and identifies the person making the call. The **auto-start system** allows you to view the image captured by the camera without the need to receive a call, which is useful in surveillance situations, or when you want to establish communication with the entrance panel.

As an additional function, the monitor incorporates an **automatic image capture of unanswered calls**. Thus, when a call has not been answered, it automatically stores the image of the person who has made the call.

Includes **DIN rail power supply** for professional installations.

Main advantages

- Entrance panel with a glass-like finish and **high-resistance zamak aluminum** rain shield. IP55 protection.
- **120° wide-angle** camera.
- **Touch capacitive button.**
- iACCESS reader.
- **5 RFID keys:** 3 for door opening and 2 for configuration.
- **7-inch hands-free monitor** with touch screen.
- Can add up to **two extra monitors** (KMC-12800 model).



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86 DIMENTIONS & ACCESSORIES

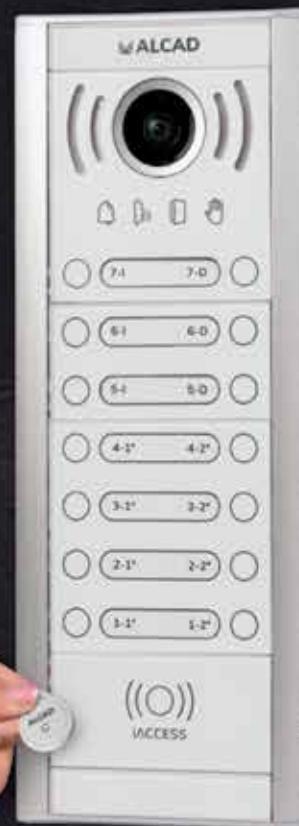
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USOA

A unique
entrance panel.
**A thousand
possible
combinations**

Design with total freedom
to create customised
compositions, with
innovative aesthetics.



+ info

The CUT-O10 screw cover allows the entrance panel to be personalised with the name of the installer



iACCESS

ALCAD Electronics, SL
943 63 96 60

170°

Wide-angle

Camera
with Active View
technology

High picture quality
is not compromised thanks
to scratch-resistant
tempered glass

Microphone,
separate
from the main
module

Integration
with iACCESS
access control



IP55
Protection
against
water / dust

Dual speakers for
higher audio power

Accessibility indicators



Call in
progress

Talk

Open
door

Access
denied

White LEDs
for
night vision

Touch buttons,
capacitive technology

Front
removal of
cardholders

Aluminium
frame

For easy handling and to avoid disturbing
neighbours, the panel is easily locked without
having to be disconnected from the mains

KITS

VIDEO DOOR ENTRY KITS

Feature summary

	ENTRANCE PANEL	MONITOR	MODEL (Number of homes)	WIRING
	(PAGE 12)			KIP-00300 (1 home)
	(PAGE 13)			KVS-31221 (1 home)
	(PAGE 14)			KVS-55121 (1 home)
	(PAGE 16)			KVS-55321 (1 home)
	(PAGE 16)			KVS-56121 (1 home)
				KVS-56321 (1 home)

ENTRANCE PANEL MOUNTING	ADDITIONAL ENTRANCE PANEL	INDOOR UNIT SCREEN	HANDS-FREE	IMAGE CAPTURE	INTERCOMMUNICATION	NO. OF ADDITIONAL INDOOR UNITS	MAXIMUM DISTANCE WITHOUT ADDITIONAL ACCESSORIES	EXPANDABLE DISTANCE WITH ACCESSORIES	INCLUDES ELECTRIC LOCK	FORWARDS CALLS TO MOBILE PHONE
Flush-mounted	NO	7"	YES	YES	YES	+1	100m	-	NO	YES
Surface	NO	7"	YES	YES	YES	+2	80m	NO	NO	NO
Flush-mounted	+5	4,3"	YES	YES	NO	+5	270m	YES	NO	NO
Flush-mounted	+5	7"	YES	YES	NO	+5	170m	YES	NO	YES
Flush-mounted	+5	4,3"	YES	YES	NO	+5	270m	YES	NO	NO
Flush-mounted	+5	7"	YES	YES	NO	+5	170m	YES	NO	YES

Kit IPAL



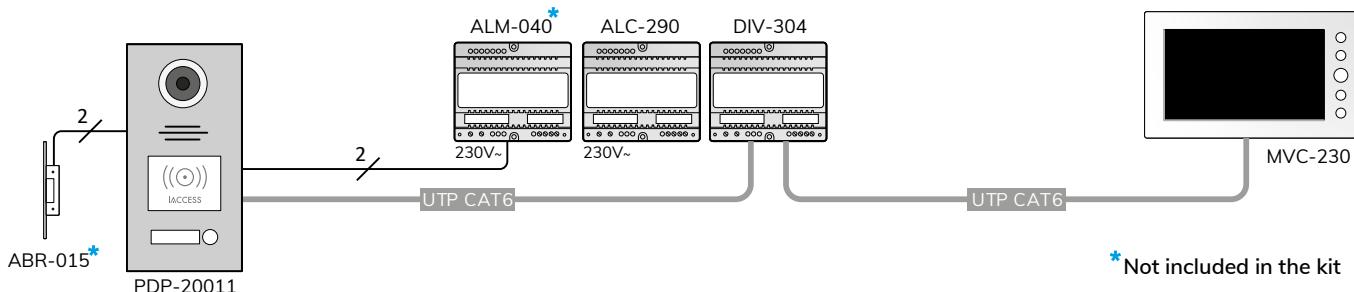
1 SINGLE-FAMILY HOME KIT

9720163 **KIP-00300**

IP video door entry kit for homes. Includes: KABI7 7" monitor with integrated Wi-Fi and RF chipsets for Home Automation, and an aluminum vandalproof flush-mounted entrance panel with one push-button and integrated keyless RFID access control

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9800160	PDP-20011	1 push-button entrance panel (with flush-mounted box)
9630074	MVC-230	IPAL KABI7" Wi-Fi white indoor unit
9740227	CME-020	IPAL 86x86 standard flush box
9730100	DIV-304	Tap-off switch (4 outputs)
9620023	ALC-290	48V DC 65,3 VA 100-240 VAC power supply
9690018	LAC-020	Set of 5 proximity keys for residents
-	-	RFID card MIFARE (2 units)



* Not included in the kit

/ Accessories

QTY. CODE MODEL DESCRIPTION

SECOND INDOOR UNIT

1 unit 9630074 **MVC-230** Hands-free white KABI7" indoor monitor with integrated Wi-Fi and RF chipsets for IPAL system

1 unit 9740227 **CME-020** Standard 86x86mm flushed box

SIMPLE ELECTRIC LOCK

1 unit 9730062 **ABR-015** Simple electric lock, 15 VDC

1 unit 9620011 **ALM-040** 25 VA power supply unit, video door entry system

RECOMMENDED CABLE

- 9300065 **TCA-100** Category 6 solid UTP cable, LSZH (305m)

ACCESS CONTROL

1 unit 9690018 **LAC-020** Set of 5 proximity keys for residents

Kit Erlea Plus



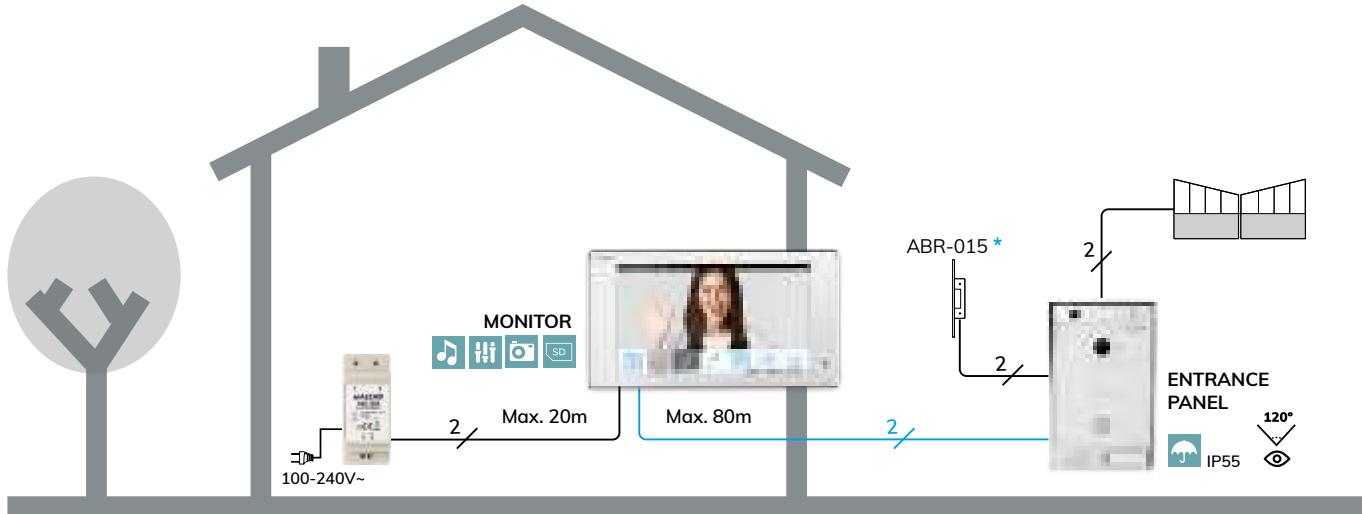
1 SINGLE-FAMILY HOME KIT W/ 7" MONITOR

9720165 **KVS-31221**

Erlea Plus home kit, 7" monitor with automatic image capture of unanswered calls and surface entrance panel with rain shield and iACCESS reader.

THE KIT INCLUDES:

- Erlea Plus entrance panel with 1 touch capacitive button with panoramic vision of 120° and rain shield.
- Erlea Plus 7" monitor.
- Erlea Plus DIN rail feeder.
- 5 RFID keys: 3 for door opening and 2 for configuration.



* Not included in the kit

/ Accessories

QTY.	CODE	MODEL	DESCRIPTION
SECOND INDOOR UNIT			
1 unit	9630083	KMC-12800	Hands-free secondary Erlea Plus 7" indoor unit
SIMPLE ELECTRIC LOCK			
1 unit	9730062	ABR-015	Simple electric lock. 15 VDC
SIMPLE ELECTRIC LOCK FOR SECOND DOOR			
1 unit	9730062	ABR-015	Simple electric lock. 15 VDC
1 unit	9730057	ASC-051	Timed relay for door opener maneuver
1 unit	9620011	ALM-040	25VA power supply, 12VAC and 15VDC
RECOMMENDED CABLE			
-	9750005	CAB-007	Sleeved cable 2 x 1 mm² (by 100m coils)
iACCESS KEY EXTENSION			
1 unit	9690018	LAC-020	Set of 5 proximity keys for residents

Kits Usoa



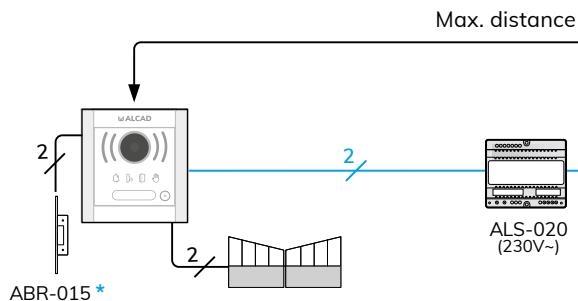
1 SINGLE-FAMILY HOME KIT 4.3" ENARA INDOOR UNIT

9720169 **KVS-55121**

USOA kit for 1 home, Enara hands-free 4.3" indoor unit with automatic image capture when calls are unanswered and 1 single push-button entrance panel

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9710002	FRA-002	2 windows frame for Usoa entrance panel
9710011	MVG-011	Audio & video module for Usoa. 1 button
9740005	CMO-002	Flush-mounted box for 2 windows
9650004	ALS-020	Power supply unit interface
9630087	MVC-141	Enara hands-free 4.3" indoor unit
9730106	HST-002	Front removal tool



* Not included in the kit

KIT	KVS-55121
CAB-307	270m
CAB-007 2x1mm ²	150m
CAB-004 2x0,5mm ²	150m
2x0,25mm ²	120m
TCA-100 UTP CAT6	110m

/ Accessories

QTY.	CODE	MODEL	DESCRIPTION
SECOND INDOOR UNIT			
See pages 34-35			
SECOND ENTRANCE PANEL			
1 unit	9710002	FRA-002	2 windows frame for Usoa entrance panel
1 unit	9710011	MVG-011	Audio & video module for Usoa. 1 button
1 unit	9740005	CMO-002	Flush-mounted box for 2 windows
1 unit	9730082	DIV-152	Splitter, 2 outputs
SIMPLE ELECTRIC LOCK			
1 unit	9730062	ABR-015	Standard electric lock. 15 VDC
HOODS			
1 unit	9740251	VIS-312	Single rain shield for 2 windows
1 unit	9740278	VIP-312	Single rain shield with front protector for 2 windows
TRIM FRAME			
1 unit	9740047	MAR-900	Single entrance panel frame *
ELECTRONIC CALL EXTENSION			
1 unit	9730019	AAL-200	Electronic call extension to be used on installations with electronic call
RECOMMENDED CABLES			
-	9750009	CAB-307	Optimized screened sleeved cable 2x1 mm ² (by 100m coils)
-	9750010	CAB-357	Optimized screened sleeved cable 2x1 mm ² (by 500m coils)

* Made to measure in anodized aluminum.
For order examples, see page 85



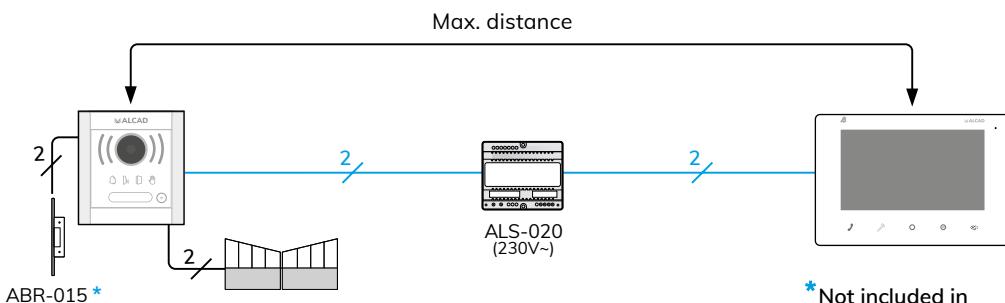
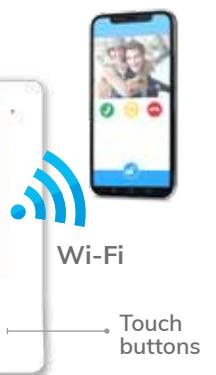
1 SINGLE-FAMILY HOME KIT ENARA WI-FI 7" INDOOR UNIT

9720170 **KVS-55321**

USOA kit for 1 home, Enara Wi-Fi hands-free 7" indoor unit with automatic image capture when calls are unanswered and 1 single push-button entrance panel

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9710002	FRA-002	2 windows frame for Usoa entrance panel
9710011	MVG-011	Audio & video module for Usoa. 1 button
9740005	CMO-002	Flush-mounted box for 2 windows
9650004	ALS-020	Power supply unit interface
9630088	MVC-152	Enara hands-free 7" indoor unit
9730106	HST-002	Front removal tool



KIT	KVS-55321
CAB-307	170m
CAB-007 2x1mm ²	70m
CAB-004 2x0,5mm ²	70m
2x0,25mm ²	70m
TCA-100 UTP CAT6	60m

/ Accessories

QTY.	CODE	MODEL	DESCRIPTION
SECOND INDOOR UNIT			
See pages 34-35			
SECOND ENTRANCE PANEL			
1 unit	9710002	FRA-002	2 windows frame for Usoa entrance panel
1 unit	9710011	MVG-011	Audio & video module for Usoa. 1 button
1 unit	9740005	CMO-002	Flush-mounted box for 2 windows
1 unit	9730082	DIV-152	Splitter, 2 outputs
SIMPLE ELECTRIC LOCK			
1 unit	9730062	ABR-015	Standard electric lock. 15 VDC
HOODS			
1 unit	9740251	VIS-312	Single rain shield for 2 windows
1 unit	9740278	VIP-312	Single rain shield with front protector for 2 windows
TRIM FRAME			
1 unit	9740047	MAR-900	Single entrance panel frame *
ELECTRONIC CALL EXTENSION			
1 unit	9730019	AAL-200	Electronic call extension to be used on installations with electronic call
RECOMMENDED CABLES			
-	9750009	CAB-307	Optimized screened sleeved cable 2x1 mm ² (by 100m coils)
-	9750010	CAB-357	Optimized screened sleeved cable 2x1 mm ² (by 500m coils)

* Made to measure in anodized aluminum.

For order examples, see page 85

Kits Aloï



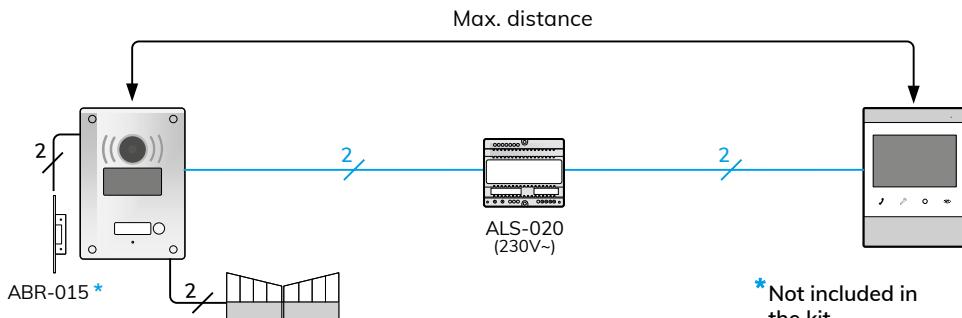
1 SINGLE-FAMILY HOME KIT 4.3" ENARA INDOOR UNIT

9720171 **KVS-56121**

Aloï kit for 1 home, Enara hands-free 4.3" indoor unit with automatic image capture when calls are unanswered and 1 single push-button entrance panel

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9800227	PTS-63201	Vandal-proof entrance panel with 1 push-button
9740244	CMO-602	Aloï flush-mounted box for 1-2 storeys
9650004	ALS-020	Power supply unit interface
9630087	MVC-141	Enara hands-free 4.3" indoor unit



KIT	KVS-56121
CAB-307	270m
CAB-007 2x1mm ²	150m
CAB-004 2x0,5mm ²	150m
2x0,25mm ²	120m
TCA-100 UTP CAT6	110m

/ Accessories

QTY. CODE MODEL DESCRIPTION

SECOND INDOOR UNIT

See pages 34-35

SECOND ENTRANCE PANEL

1 unit 9800227 PTS-63201 Vandal-proof entrance panel with 1 push-button

1 unit 9740244 CMO-602 Aloï flush-mounted box for 2 storeys

1 unit 9730082 DIV-152 Splitter, 2 outputs

TRIM FRAME

1 unit 9740231 MAR-600 Decorative frame 1 entrance panel *

SIMPLE ELECTRIC LOCK

1 unit 9730062 ABR-015 Standard electric lock. 15 VDC

RECOMMENDED CABLES

- 9750009 CAB-307 Optimized screened sleeved cable 2x1 mm² (by 100m coils)

- 9750010 CAB-357 Optimized screened sleeved cable 2x1 mm² (by 500m coils)

* Made to measure in anodized aluminum.
For order examples, see page 85



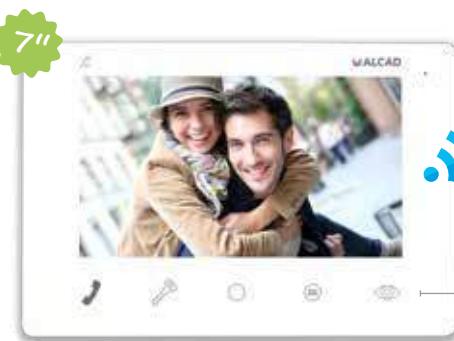
1 SINGLE-FAMILY HOME KIT ENARA WI-FI 7" INDOOR UNIT

9720172 **KVS-56321**

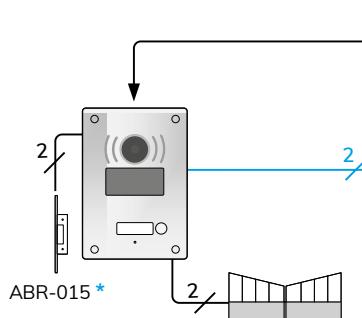
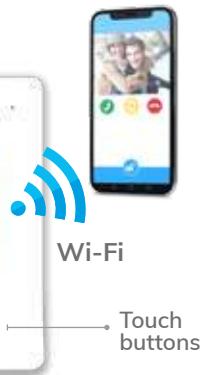
Aloi kit for 1 home, Enara Wi-Fi hands-free 7" indoor unit with automatic image capture when calls are unanswered and 1 single push-button entrance panel

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9800227	PTS-63201	Vandal-proof entrance panel with 1 push-button
9740244	CMO-602	Aloi flush-mounted box for 1-2 storeys
9650004	ALS-020	Power supply unit interface
9630088	MVC-152	Enara hands-free 7" indoor unit



Android iOS



* Not included in the kit

KIT	KVS-56321
CAB-307	170m
CAB-007 2x1mm ²	70m
CAB-004 2x0,5mm ²	70m
2x0,25mm ²	70m
TCA-100 UTP CAT6	60m

/ Accessories

QTY. CODE MODEL DESCRIPTION

SECOND INDOOR UNIT

See pages 34-35

SECOND ENTRANCE PANEL

1 unit 9800227 **PTS-63201** Vandal-proof entrance panel with 1 push-button1 unit 9740244 **CMO-602** Aloi flush-mounted box for 2 storeys1 unit 9730082 **DIV-152** Splitter, 2 outputs

TRIM FRAME

1 unit 9740231 **MAR-600** Decorative frame 1 entrance panel *

SIMPLE ELECTRIC LOCK

1 unit 9730062 **ABR-015** Standard electric lock. 15 VDC

RECOMMENDED CABLES

- 9750009 **CAB-307** Optimized screened sleeved cable 2x1 mm² (by 100m coils)- 9750010 **CAB-357** Optimized screened sleeved cable 2x1 mm² (by 500m coils)

* Made to measure in anodized aluminum.

For order examples, see page 85

AUDIO DOOR ENTRY KITS

Feature summary

	ENTRANCE PANEL	HANDSET	MODEL (Number of homes)	WIRING
 L201	 <small>(PAGE 20)</small>		KAS-47021 (1 home)	2 wires
 VANDAL-PROOF	 <small>(PAGE 20)</small>		 KAD-67001 (2 homes)	2 wires
	 <small>(PAGE 22)</small>		KAS-41021 (1 home)	4+N
			KAD-41021 (2 homes)	4+N
			KAS-41003 (3 homes)	4+N
			KAD-41002 (4 homes)	4+N

 Until end of stock

ENTRANCE PANEL MOUNTING	ADDITIONAL ENTRANCE PANELS	NO. OF ADDITIONAL HANDSETS	NO. OF PUSH-BUTTONS ON HANDSET	DO NOT DISTURB FUNCTION	MAXIMUM DISTANCE WITHOUT ADDITIONAL ACCESSORIES	EXPANDABLE DISTANCE WITH ACCESSORIES	INCLUDES ELECTRIC LOCK
Flush-mounted	+9	+3	1	NO	100m	NO	NO
Flush-mounted	+9	+3 per home	1	NO	100m	NO	YES
Flush-mounted	+0	+3	1	NO	100m	NO	NO
Flush-mounted	+0	+3 per home	1	NO	100m	NO	NO
Flush-mounted	+0	+3 per home	1	NO	100m	NO	YES
Flush-mounted	+0	+3 per home	1	NO	100m	NO	YES

Kits DIGITAL



1 SINGLE FAMILY HOME KIT 201 LINE ENTRANCE PANEL

9700131 **KAS-47021**

1 home. DIGITAL door entry kit with 1 single push-button. 201 Line entrance panel

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	201 Line DIGITAL entrance panel. 1 push-button
9600007	TED-001	1 push-button DIGITAL
9740005	CMO-002	Flush-mounted box for 1 / 2 storeys
9620015	ALC-041	Power supply unit DC 25 VA 230/240 VAC



2 SINGLE FAMILY HOMES KIT. VANDAL-PROOF ENTRANCE PANEL

9700119 **KAD-67001**

2 homes. Vandal-proof kit with 1 double push-button, with 2-wire DIGITAL system

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Vandal-proof entrance panel. 1 push-button (2 units)
-	-	Metal flush-mounted box
9600007	TED-001	1 push-button DIGITAL handset (2 units)
9620015	ALC-041	Power supply unit DC 25 VA 230/240 VAC
9730062	ABR-015	Standard electric lock. 15 VDC

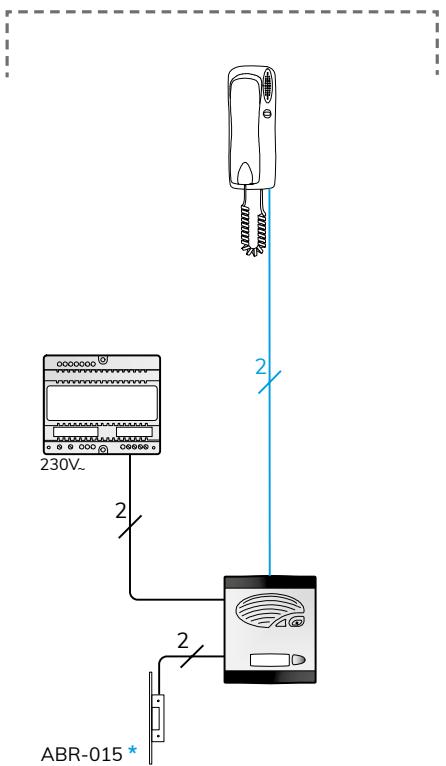
 Until end of stock



VISIT ALCAD from a drone view

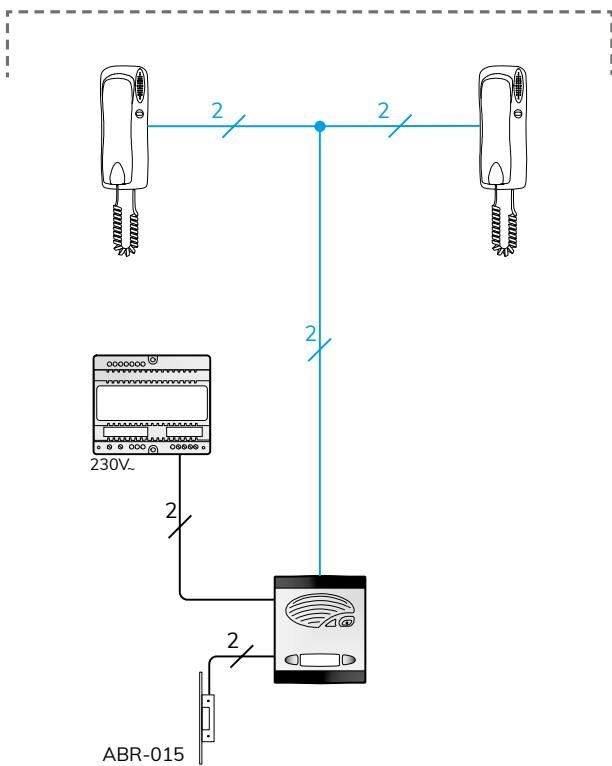
Discover our 12,000 m² factory, equipped with modern electronic and computer equipment, SMD component assembly lines and automated adjustment of all product parameters.

KIT 1 HOME



* Not included in kit KAS-47021

KIT 2 HOMES



KIT	KAS-47021	KAD-67001
	CAB-007 2x1mm ² Up to 100m	
		CAB-007 2x1mm ² Up to 25m

/ Accessories

QTY.	CODE	MODEL	DESCRIPTION
ADDITIONAL HANDSET			
1 unit	9600007	TED-001	Digital handset with electronic call and privacy of conversation
CONNECT EXISTING AC ELECTRIC LOCK			
1 unit	9620001	ALA-040	25VA, 12VAC power supply unit
STANDARD ELECTRIC LOCK			
1 unit	9730062	ABR-015	Standard electric lock. 15 VDC.
CALL EXTENSION			
1 unit	9730019	AAL-200	Electronic call extension. To be used with electronic call
1 unit	9730018	AAL-120	Accessory required for the use of the electronic call extension or any other device which can be activated by means of an electronic call in installations with digital handsets
RECOMMENDED CABLE			
-	9750005	CAB-007	2x1mm ² sleeved cable (by 100m coils)

Kits 4+N



1 SINGLE FAMILY HOME KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700046 **KAS-41021**

1 single family home kit, 1 4+N conventional handset with 1 single push-button and 1 201 Line flush-mounted entrance panel with 1 push-button

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Conventional 201L entrance panel. 1 push-button
9740005	CMO-002	Flush-mounted box for 1 / 2 storeys
9600001	TEL-001	Handset with electronic call
9620002	ALA-020	16 VA 230/240 VAC kit power supply unit



2 SINGLE FAMILY HOMES KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700047 **KAD-41021**

2 single family homes kit, 2 4+N conventional handsets with 1 single push-button and 1 201 Line flush-mounted entrance panel with 2 push-buttons

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Conventional 201L entrance panel. 2 push-buttons (1 double push-button)
9740005	CMO-002	Flush-mounted box for 1 / 2 storeys
9600001	TEL-001	Handset with electronic call (2 units)
9620002	ALA-020	16 VA 230/240 VAC kit power supply unit



3 SINGLE FAMILY HOMES KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700038 **KAS-41003**

3 single family homes kit, 3 4+N conventional handsets with 1 push-button and 1 201 Line entrance panel with 3 push-buttons

THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Conventional 201L entrance panel. 3 push-buttons (3 single push-buttons)
9740006	CMO-004	Flush-mounted box for 3 / 4 storeys
9600001	TEL-001	Handset with electronic call (3 units)
9620002	ALA-020	16 VA 230/240 VAC kit power supply unit
9730000	ABR-001	Standard electrick lock. 12 VAC



4 SINGLE FAMILY HOMES KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700041 **KAD-41002**

4 single family homes kit, 4 4+N conventional handsets with 1 push-button and 1 201 Line entrance panel with 4 push-buttons

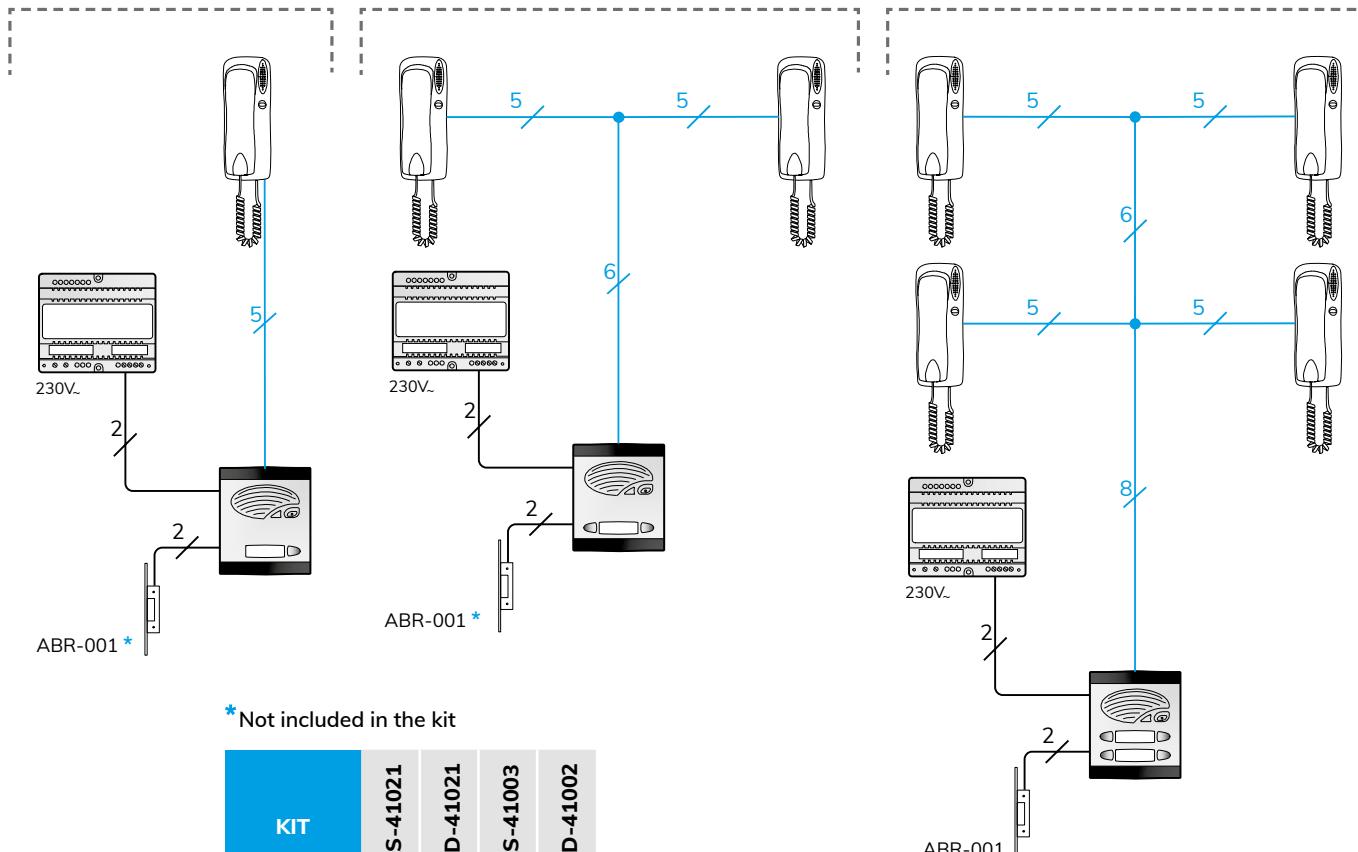
THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Conventional 201L entrance panel. 4 push-buttons
9740005	CMO-002	Flush-mounted box for 1 / 2 storeys
9600001	TEL-001	Handset with electronic call (4 units)
9620002	ALA-020	16 VA 230/240 VAC kit power supply unit
9730000	ABR-001	Standard electrick lock. 12 VAC

KIT 1 HOME

KIT 2 HOMES

KIT 4 HOMES



* Not included in the kit

KIT	KAS-41021	KAD-41021	KAS-41003	KAD-41002
N			Nx0,25mm ² Up to 100m	
2			CAB-007 2x1mm ² Up to 25m	

/ Accessories

QTY.	CODE	MODEL	DESCRIPTION
HOODS			
1 unit	9740251	VIS-312	Single rain shield for 1 / 2 storeys
1 unit	9740252	VIS-313	Single rain shield for 3 / 4 storeys
1 unit	9740278	VIP-312	Single rain shield with front protector for 1 / 2 storeys
1 unit	9740279	VIP-313	Single rain shield with front protector for 3 / 4 storeys
SURFACE BOXES			
1 unit	9740100	CSU-211	Surface box for 1 / 2 storeys
1 unit	9740101	CSU-212	Surface box for 3 / 4 storeys
STANDARD ELECTRIC LOCK			
1 unit	9730062	ABR-015	Standard electric lock. 15 VDC.
TRIM FRAME			
1 unit	9740047	MAR-900	Single entrance panel frame *
ELECTRONIC CALL EXTENSION			
1 unit	9730019	AAL-200	Electronic call extension for electronic call installations

* Made to measure in anodized aluminum.
For order examples, see page 85

BUILDINGS

Summary of technologies



The **IPAL** system is the 100% IP intercommunication and building management system designed and made by ALCAD. Its factory custom preconfiguration makes it the simplest IP system to install on the market since it does not require additional onsite programming.

IPAL has a very flexible architecture, making it perfect for any kind of installation: large, medium, small, old and new. Allows local and remote management of calls and door lock, and advanced home automation functions configured in your KABI7 and KABI10 indoor units like: alarms triggered by wireless and wired sensors, lighting control, heating/cooling system control, curtains control, scenes control and cameras viewer. It allows integration with third party fire alarm systems too.

Thanks to its integrated Wi-Fi chipset, KABI7 and KABI10 indoor monitors can connect directly to your internet router without additional hardware (internet connection not provided by ALCAD).

IPAL is a connected solution thanks to the free APP "IPAL by ALCAD" for Android and iOS.



Authentic Plug & Play



No limits



All-in-one
security solution



Free app without
additional hardware



Bidirectional video
intercommunication



The **2-WIRE** video intercom system of ALCAD performs all communication through 2 non-polarized wires, through which the power supply is also distributed. Allows the reuse of existing wiring (taking only 2 wires) greatly facilitating the installation in the changes from audio door entry to video intercom. The 2-WIRE system has the greatest variety in entrance panels and indoor units, allowing to choose the aesthetic that best suits your needs.



Easy installation



Wide product
range



Up to 600m and
1,500 houses



Reuses existing
wiring



Flexible topology



Image
capture

Wiring

2 non-polarized wires, flexible topology

- Parallel 2x1mm² ALCAD Optimized **CAB-307**
- Common Parallel (2x1mm², 2x0,5mm²...)
- Twisted pair
- UTP CAT5
- Replacing of a doorbell (2 wires)
- 4+N cable

Note: Performance may vary depending on the cable used. Recommended cable: Parallel 2x1mm² ALCAD Optimized **CAB-307**.

Max. distance
outdoor
entrance panel
to indoor unit

600m

No. of homes

1,500

Terminal
connections

2 unpolarized wires. Possibility of connection in derivation or cascade (from housing to housing)

Supply voltage

18Vcc

D

The **DIGITAL** system is a 2-wires audio door entry system for medium-sized installations, up to 96 homes with a push-button entrance panel and up to 950 with a keypad entrance panel. The communication bus to telephones lacks polarity connection. It has central concierge that allows communication between the houses and the concierge or security guard.



Easy installation



Up to 200m and 950 houses



Guard unit
(concierge)

4+N

The **4+N** system has become a classic, the traditional system with years of experience and proven efficiency. But the conventional system of ALCAD goes a step further and allows the realization of buildings with multiple accesses without the need for additional elements, integrating the entrance panel exchangers inside the own phonic groups of the entrance panels.



Standard 4+N system



Multiple accesses with no additional accessories



Useful and intuitive

Wiring	2 non-polarized wires, flexible topology. ⁽¹⁾
Cable types	- Parallel 2x1mm ² (for distances up to 100m) - Parallel 2x2,5mm ² (for maximum distances from 100m to 200m).
Max. distance outdoor entrance panel to indoor unit	200m
No. of homes	950
Terminal connections	2 non-polarized wires. Possibility of connection in derivation or cascade (from housing to housing).
Supply voltage	15Vcc

⁽¹⁾ The bus between the entrance panel and the handset lacks connection polarity.

Wiring	4+N: 4 common wires and N call wires ⁽¹⁾
Cable types	- Multi-core cable hose (0,22 mm ²) - Power supply: Parallel 2x1mm ² .
Max. distance outdoor entrance panel to indoor unit	100m
No. of homes	200
Terminal connections	5 wires
Supply voltage	12Vca

⁽¹⁾ N refers to the number of calls, or number of housings.

Comparative of technologies

				
Buildings (replacement using the existing wiring)		✓		✓
Small buildings	✓	✓	✓	✓
Medium-sized buildings	✓	✓	✓	
Large-sized buildings	✓			
Maximum distance	No limits	600m	200m	100m
Cabling	UTP Cat5	2 wires unpolarized	2 wires unpolarized ⁽¹⁾	4+N
Number of apartments	No limits	1.500	950	200
Guard unit	✓		✓	
Integration with iACCESS system	✓	✓	✓	✓
Communication secret	✓	✓	✓	✓ 
Forwards calls to mobile phone	✓ ⁽³⁾	✓ ⁽³⁾		
Indoor units with video and image capture	✓	✓		
Intercommunication	✓ ⁽⁴⁾			
Integration of surveillance cameras	✓			
Integration of home automation functions	✓			

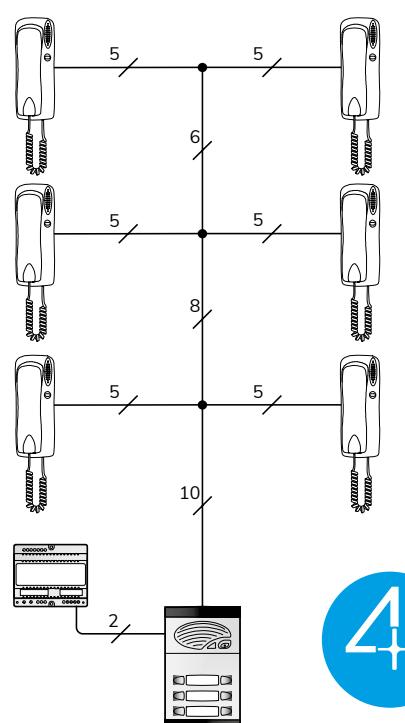
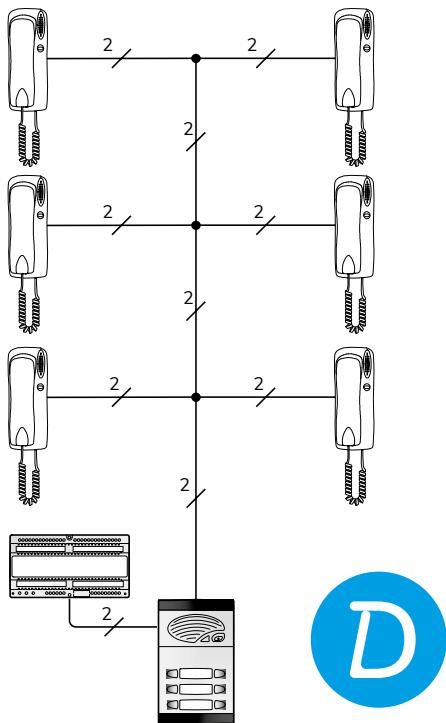
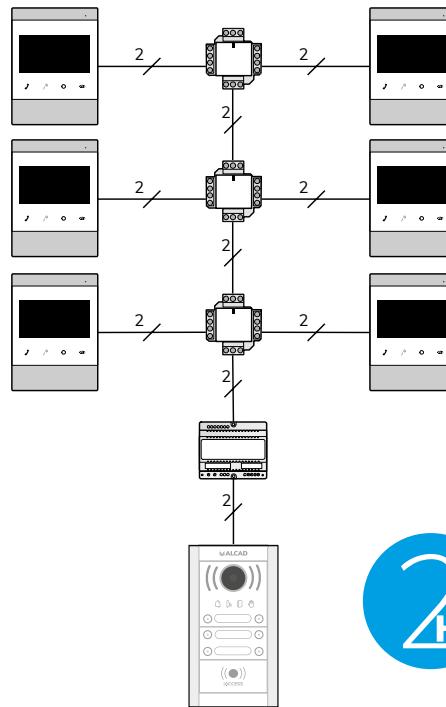
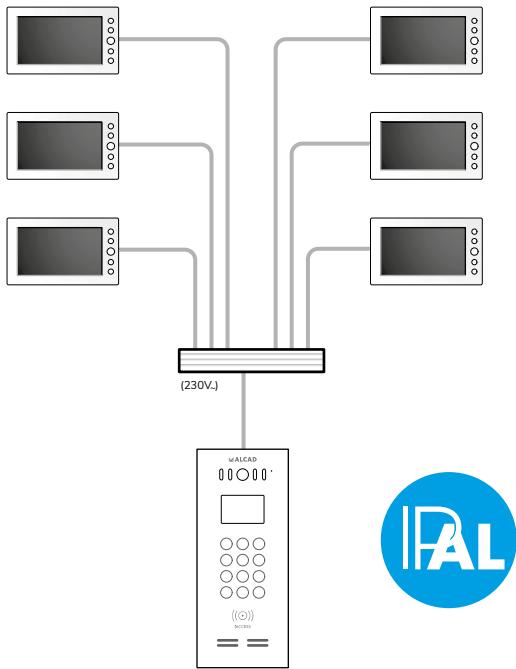
(1) The bus between entrance panel and phones lacks connection polarity.

(2) Available conventional system with GRF and telephones with secret and conventional system with phonic group and telephones without secret.

(3) Only for monitors with Wi-Fi, downloading the specific APP on the mobile phone. Requires contracting an Internet connection service for each home/office (not included in the system).

(4) Bidirectional video and audio (indoor units: KABI7 and KABI10)

Comparative of diagrams





IPAL

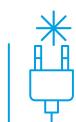
The simplest 100% IP system to install on the market

IPAL is ALCAD's 100% IP smart home management and intercommunication system. It is ideal for large building complexes, and very interesting in large, small, individual or collective facilities.

Smart home with
large distances

**Manage all functions
with a mobile phone**

IPAL is the connected solution thanks to the free 'IPAL by ALCAD' APP for Android and iOS, which allows remote management of calls, door opening and all the home automation functions configured on the main monitor of the home or office: alarm system, energy management, video surveillance and access control. Without the need for additional hardware, it allows the direct connection of the monitor to the Wi-Fi network that has contracted access to the internet.



Plug & Play



No limitations



All-in-one security
solution



Bidirectional
intercom video

Indoor units



9630074
MVC-230



9630090
MVC-231



9630078
MVC-250

/ Colour monitors

CODE	MODEL	DESCRIPTION
9630074	MVC-230	White hands-free video intercom indoor unit KABI7. 7" colour screen
9630090	MVC-231	White monitor. 7" colour screen
9630078	MVC-250	White hands-free video intercom indoor unit KABI10. 10" colour screen
9630080	MCO-300	KABI7" indoor monitor wired alarms connector (4 inputs)
9740227	CME-020	86x86 Standard IPAL flush-mounted box

9800158
PDK-20002



9800171
PDK-20003



9800160
PDP-20011



Entrance panels

/ Entrance panels and accessories

CODE	MODEL	DESCRIPTION
9800158	PDK-20002	White capacitive IPAL keypad entrance panel with integrated RFID reader
9740228	CMO-702	Flush box for IPAL entrance panel models PDK-20001 and PDK-20002
9800171	PDK-20003	IPAL aluminum outdoor entrance panel with keypad and integrated RFID reader
9740229	CMO-703	Flush box for IPAL entrance panel model PDK-20003
9800160	PDP-20011	Vandalproof IPAL system entrance panel with 1 push-button
9690018	LAC-020	Set of 5 proximity keys for residents

Home automation elements

/ Home automation elements

CODE	MODEL	DESCRIPTION
9790000	MEC-100	IPAL wireless touch dimmer device. Allows light intensity regulation
9790001	MEC-101	IPAL system wireless simple touch switch device to control 1 bulb or similar (max 2A/switch)
9790002	MEC-102	IPAL system wireless double touch switch device to control 2 bulbs or similar (max 2A/switch)
9790003	MEC-103	IPAL system wireless triple touch switch device to control 3 bulbs or similar (max 2A/switch)
9790005	MEC-200	IPAL wireless touch control mechanism for courtains, blinds... etc. Allows connectivity with KABI indoor units
9790006	MEC-000	IPAL system Wireless scene control panel
9790004	MEC-300	IPAL system European plug type F
9790014	TER-000	IPAL Wi-Fi boiler thermostat ('Smartlife' app)
9790007	HAA-000	Wireless sensor conversion interface
9790008	HAA-001	RF repeater and amplifier for Home Automation. IPAL system
9790011	WSN-200	IPAL wireless flood sensor
9790012	WSN-300	IPAL wireless smoke sensor
9790013	WSN-400	IPAL wireless motion PIR sensor
9790010	WSN-500	IPAL wireless sensor for door / window



9790014
TER-000



9790002
MEC-102



9790008
HAA-001



9790010
WSN-500



9790004
MEC-300



9790013
WSN-400



9790012
WSN-300



9790005
MEC-200

Guard unit



9680025
COV-200

/ Guard unit terminal

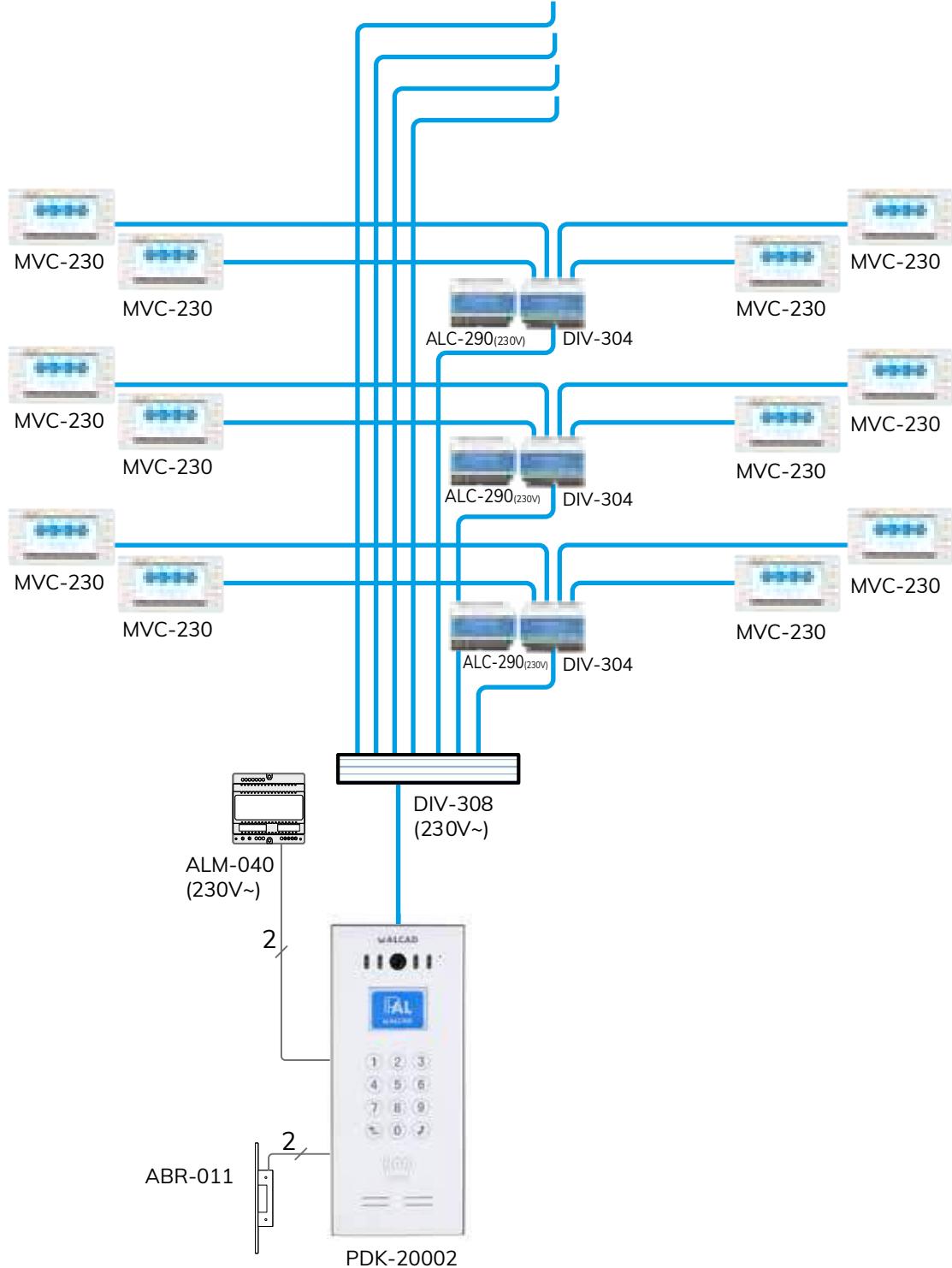
CODE	MODEL	DESCRIPTION
9680025	COV-200	IPAL 7" hands-free guard unit terminal
9740227	CME-020	Flush-mounted box

Splitters and power supply units

/ Tap-offs, power supply units

CODE	MODEL	DESCRIPTION
9730100	DIV-304	IPAL system tap-off with 4 PoE outputs + 1 down/uplink input
9730101	DIV-308	IPAL system 8 ports tap-off / Switch. 8 PoE tap-off outputs + 1 uplink
9730099	DIV-324	IPAL system 24 ports tap-off / Switch. 24 PoE tap-off outputs + 1 uplink
9620023	ALC-290	DC power supply unit, 48V dc 65.3 VA 100-240 Vac

Diagram



Integrated
**ACTIVE
VIEW**
TECHNOLOGY



WDR function: delivers stunning image quality, even in extreme conditions

2 WIRES

COLOURS

as you have never seen before

Our new **ACTIVE VIEW** camera for 2-WIRE system offers astonishing quality, even in backlight conditions, glare and sudden changes in brightness thanks to its WDR function



Usoa

Usoa stands out for the elegance of its tempered glass and its simple and discreet lines. Thanks to its modularity, it adapts to all needs.



p. 36

Aloi

Aloi is the latest generation of entrance panels, made of vandal-resistant AISI 316 L stainless steel. With a thickness of 2.5 mm, it offers maximum protection against impact and damage (IK09).



p. 44

With keypad

Whether in the iBLACK range (p. 48) or in the vandal-proof stainless steel version (p. 52), ALCAD keypad entrance panels are the ideal solution for large residential communities.



p. 48 / 52



Enara monitors

- Backlit capacitive buttons.
- Improved image quality.
- Unanswered calls register.
- **Languages:** English, French, Spanish...
- Push-buttons for auxiliary functions.
- Micro SD card slot.



p. 34



Wi-Fi



APP



Android

iOS



Monitor
with
handset



iACCESS access control

iACCESS allows access to the facilities through the use of electronic keys, avoiding the use of traditional keys or having to memorise access codes.



p. 76



p. 34

Indoor units

Integrated
**ACTIVE
VIEW**
TECHNOLOGY

Colours as
you have never
seen before



WDR function: delivers stunning image quality, even in extreme conditions

Monitors & handsets

MONITOR / HANDSET + HOLDER		DEFINITION	SCREEN	NO. OF ADDITIONAL PUSH-BUTTONS	AUTOMATIC IMAGE CAPTURE	AUTOMATIC DOOR OPENING	LANDING CALL	MICRO SD CARD SLOT	FORWARDS CALLS TO MOBILE PHONE	PHOTO
CODE	MODEL									
9630087	MVC-141	Enara hands-free monitor with TFT screen	4,3"	1	✓	✓	✓	✓	✗	1
9630084	MVC-151	Enara hands-free monitor with TFT screen	7"	2	✓	✓	✓	✓	✗	2
9630088	MVC-152	Enara hands-free monitor with TFT screen	7"	2	✓	✓	✓	✓	✓	3
9630086 9630031	MVC-018 SCM-051	Indoor unit with TFT screen Indoor unit holder	3,5"	2	✗	✓	✓	✗	✗	4
9630085 9630031	MVC-017 SCM-051	Indoor unit with TFT screen Indoor unit holder	3,5"	2	✗	✓	✓	✗	✗	5
9600034	TET-002	Handset	✗	1	✗	✗	✗	✗	✗	6
9600042	TET-302	Handset	✗	1	✗	✗	✓	✗	✗	6

1



2



3



APP



Android



iOS



Wi-Fi



9630031
SCM-051



4



5



6

Accessories



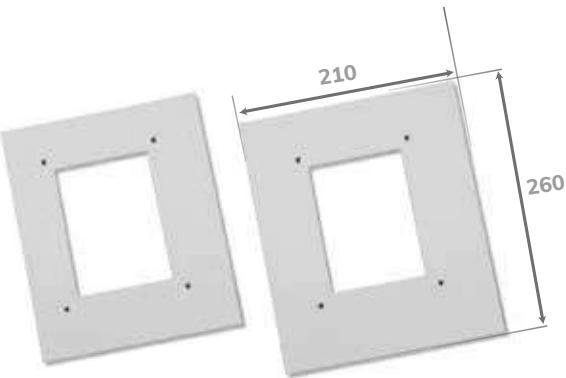
9730049
SSM-001



9730104
MAE-401



9730105
MAE-402



9730036
MAE-002

9730034
MAE-900

/ Desktop holder

CODE	MODEL	DESCRIPTION
9730049	SSM-001	For monitor with handset
9730029	SST-001	For handset



9730072
APX-011



9730057
ASC-051



9730098
DIV-261



9730019
AAL-200



9730097
APX-013

/ Decorative frames

FOR ENARA MONITOR

CODE	MODEL	DESCRIPTION
9730104	MAE-401	Dimensions: 120x240mm
9730105	MAE-402	Dimensions: 210x240mm

FOR HANDSET

CODE	MODEL	DESCRIPTION
9730092	MAE-101	Dimensions: 125x275mm
9730093	MAE-102	Dimensions: 250x275mm
9730091	MAE-902	Made to measure *

FOR MONITOR WITH HANDSET

CODE	MODEL	DESCRIPTION
9730035	MAE-001	Dimensions: 250x275mm
9730036	MAE-002	Dimensions: 300x325mm
9730034	MAE-900	Made to measure *

* Made to measure in anodized aluminum.
Order example (see photo): MAE-900 (210x260), decorative frame for monitor, with 210mm outside width and 260mm height.

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730098	DIV-261	Tap-off to be integrated in SCM-05X, for 2-WIRE system, 1 low-loss tapped output and throughput
9730019	AAL-200	Electronic call extension
9730072	APX-011	Accessory to extend the functions of the handset: reception of landing calls, call repeater connection, etc.
9730021	ASC-050	Selector switch accessory activated by means of electronic call, buzzer call or external signal
9730057	ASC-051	Selector / switch accessory with timer activated by means of external control signal
9730097	APX-013	Accessory to extend the functions of the audio unit

Usoa

entrance panel

The modular entrance panel that adapts to your needs

Integrated
**ACTIVE
VIEW**
TECHNOLOGY

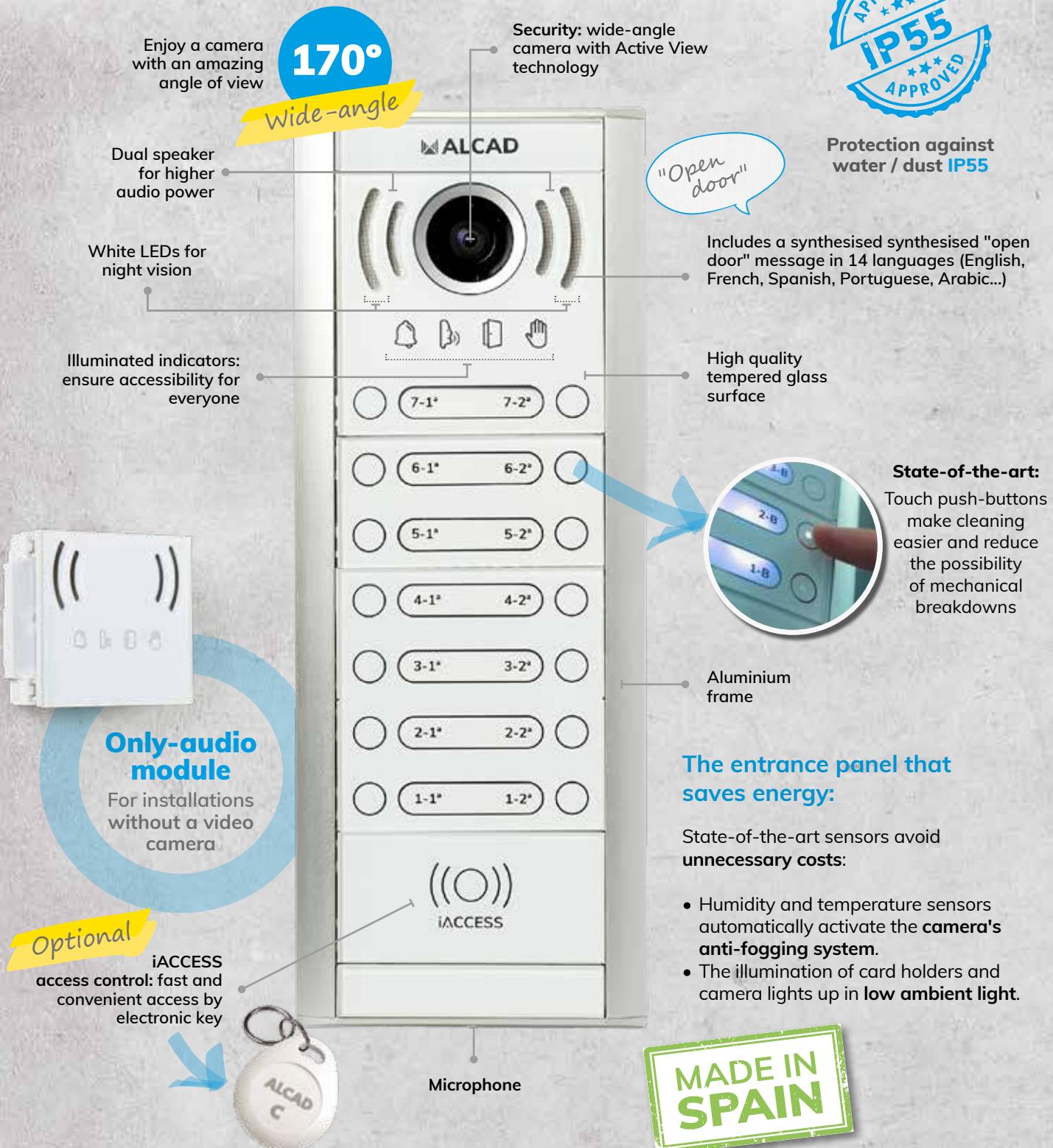
Colours as
you have never
seen before



WDR function: delivers stunning image quality, even in extreme conditions



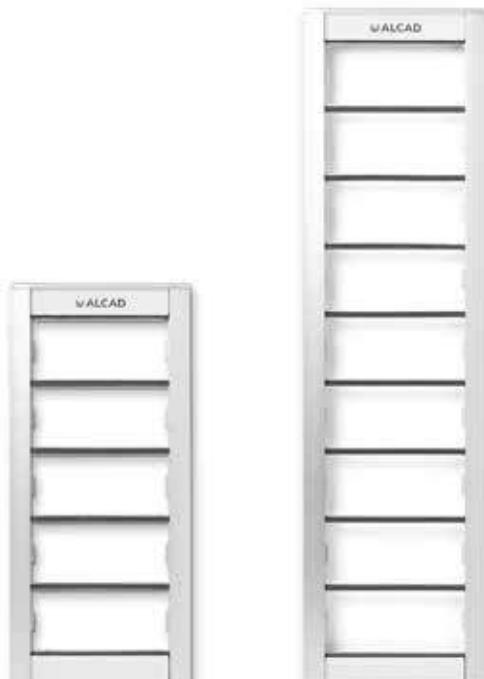
Protection against
water / dust **IP55**



Items of the entrance panel

/ Frames

CODE	MODEL	DESCRIPTION
9710002	FRA-002	2 windows
9710003	FRA-003	3 windows
9710004	FRA-004	4 windows
9710005	FRA-005	5 windows
9710006	FRA-006	6 windows
9710007	FRA-007	7 windows
9710008	FRA-008	8 windows
9710009	FRA-009	9 windows
9710010	FRA-010	10 windows



9710005
FRA-005

9710009
FRA-009



9710012
MVG-000



9710013
MVG-021



9710015
MAG-000



9710014
MAG-011



9710017
MPP-011



9710020
MPP-022



9710021
MPG-013



9710024
MPG-024

/ Complete modules

AUDIO AND VIDEO MODULES. 2 WINDOWS

CODE	MODEL	DESCRIPTION
9710012	MVG-000	Audio and video
9710011	MVG-011	Audio and video. 1 push-button
9710013	MVG-021	Audio and video. 2 push-buttons

AUDIO MODULES. 2 WINDOWS

CODE	MODEL	DESCRIPTION
9710015	MAG-000	Audio
9710014	MAG-011	Audio 1 push-button
9710016	MAG-021	Audio 2 push-pulsadores

/ Push-button modules

1 WINDOW

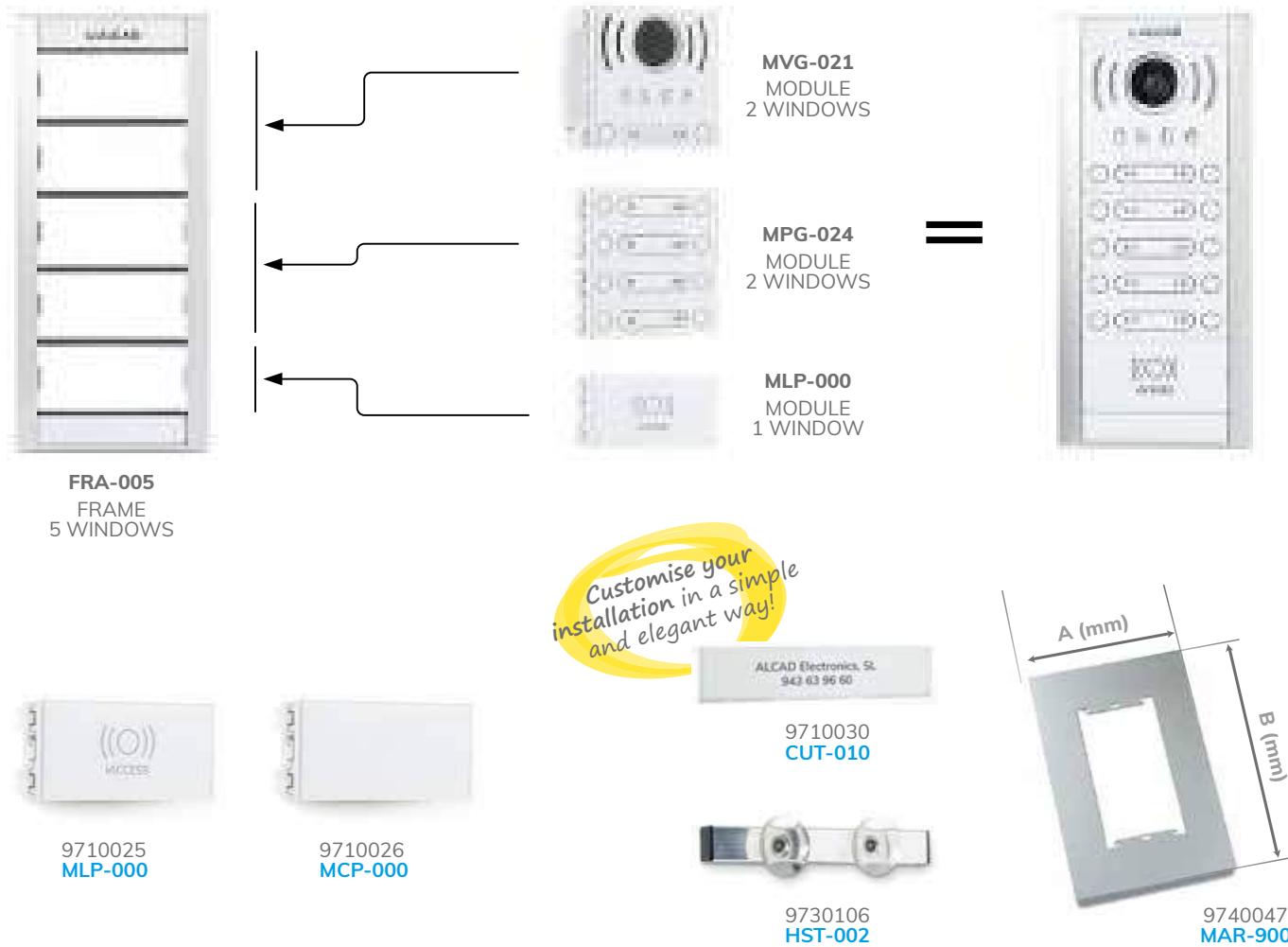
CODE	MODEL	DESCRIPTION
9710017	MPP-011	1 single push-button
9710018	MPP-021	1 double push-button
9710019	MPP-012	2 single push-buttons
9710020	MPP-022	2 double push-buttons

2 WINDOWS

CODE	MODEL	DESCRIPTION
9710021	MPG-013	3 single push-buttons
9710023	MPG-023	3 double push-buttons
9710022	MPG-014	4 single push-buttons
9710024	MPG-024	4 double push-buttons

Patch cords required for standard single rack mounting included

COMPOSITION EXAMPLE



/ Other modules

1 WINDOW

CODE	MODEL	DESCRIPTION
9710025	MLP-000	iACCESS proximity reader module
9710028	MTP-000	Cardholder module
9710026	MCP-000	Blind module

2 WINDOWS

CODE	MODEL	DESCRIPTION
9710029	MTG-000	Double cardholder module
9710027	MCG-000	Double blind module
Patch cords required for standard single rack mounting included		

/ Accessories and tools

CODE	MODEL	DESCRIPTION
9730106	HST-002	Front removal tool required to remove the entrance panel
9770078	RVE-027	Patch cord between modules, 110mm
9770079	RVE-028	Patch cord between modules, 350mm
9770080	RVE-029	Patch cord between modules, 750mm
9770084	RVE-033	Patch cord between modules, 1,000mm

/ Frames and trims

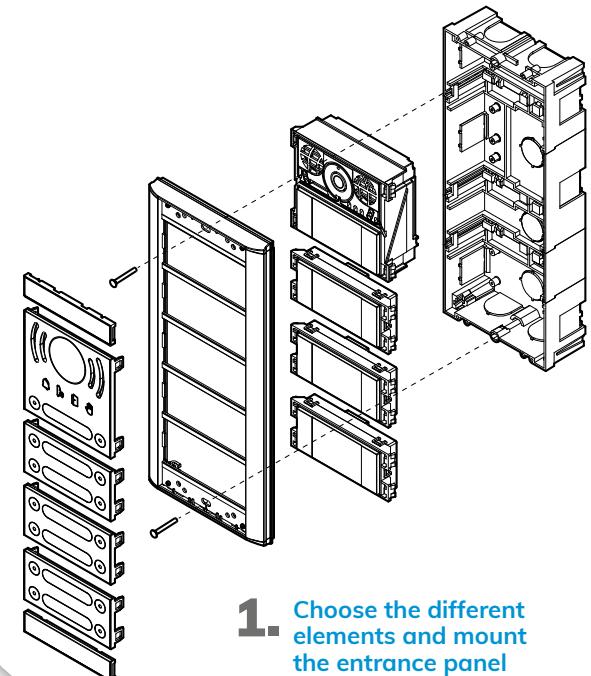
CODE	MODEL	DESCRIPTION
9740047	MAR-900	Single entrance panel frame *
9740016	MAR-901	Double entrance panel frame *
9740017	MAR-902	Triple entrance panel frame *
9710030	CUT-010	Customized screw covers (10 units)

* Made to measure in anodized aluminum.
For order examples, see page 85

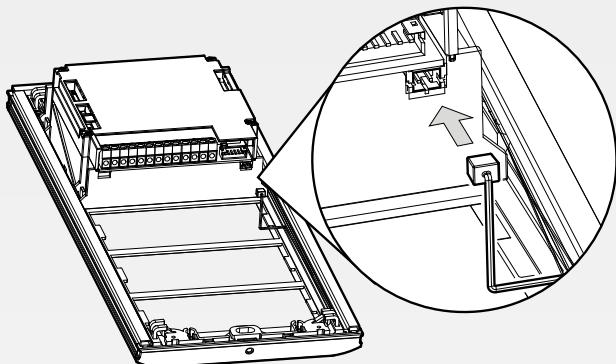
Usoa

entrance panel

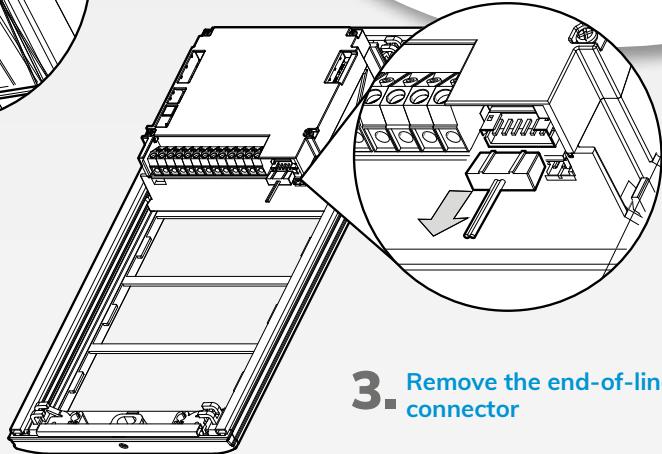
The modular entrance panel that adapts to you



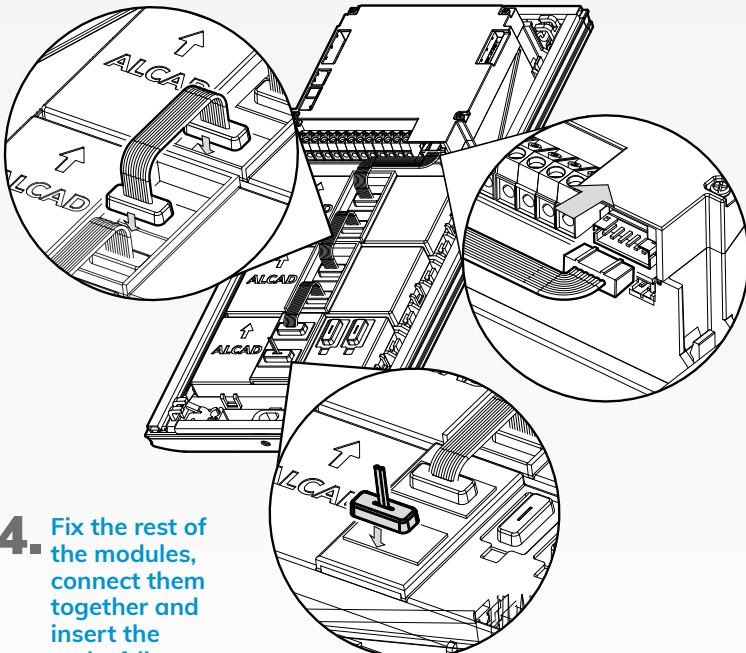
1. Choose the different elements and mount the entrance panel



2. Attach the main module and connect the microphone



3. Remove the end-of-line connector



A simple start-up

In order to simplify as much as possible the commissioning of an Usoa entrance panel, we have not left any detail to chance. And once you have all the modules connected to each other, you will only have to customize it:

4. Fix the rest of the modules, connect them together and insert the end-of-line connector

- On the front, place the **identification cards** of the pushbuttons.
- **Voice messages:** select the language and spoken messages.
- **Main module:** adjust the light sensor; the illumination of the card holders and the camera with active communication; the anti-fog system with heater and the audio.



/ Flush-mounted boxes

CODE	MODEL	WINDOWS
9740005	CMO-002	2 windows
9740006	CMO-004	3 windows
9740007	CMO-006	4 windows
9740008	CMO-008	5 windows
9740009	CMO-010	6 windows
9740010	CMO-012	7 windows
9740011	CMO-014	8 windows
9740012	CMO-016	9 windows
9740015	CMO-018	10 windows
9740004	CEM-001	Separators (2 units)
9740208	CEM-002	Separador vertical

/ Surface boxes

CODE	MODEL	WINDOWS
9740234	CSU-712	2 windows
9740235	CSU-713	3 windows
9740236	CSU-714	4 windows
9740237	CSU-715	5 windows
9740238	CSU-716	6 windows
9740239	CSU-717	7 windows
9740240	CSU-718	8 windows
9740241	CSU-719	9 windows
9740242	CSU-710	10 windows

/ Angular surface boxes

CODE	MODEL	WINDOWS
9740163	CSU-311	2 windows
9740164	CSU-312	3 windows
9740165	CSU-313	4 windows
9740166	CSU-314	5 windows
9740167	CSU-315	6 windows
9740168	CSU-316	7 windows
9740169	CSU-317	8 windows
9740170	CSU-318	9 windows
9740171	CSU-319	10 windows

/ iACCESS

iACCESS READER MODULE

CODE	MODEL	DESCRIPTION
9710025	MLP-000	iACCESS reader module

RFID KEYS FOR NEIGHBOURS

CODE	MODEL	DESCRIPTION
KEYCHAIN FORMAT		
9690018	LAC-020	Set of 5 keys for single family home (no. 0, 1, 2, 3 and 4)
9690001	LAC-000	10 no. 0 keys
9690002	LAC-001	10 no. 1 keys
9690003	LAC-002	10 no. 2 keys
9690004	LAC-003	10 no. 3 keys
9690005	LAC-004	10 no. 4 keys
9690006	LAC-005	10 no. 5 keys
9690012	LAC-006	10 no. 6 keys
9690013	LAC-007	10 no. 7 keys
9690014	LAC-008	10 no. 8 keys
9690015	LAC-009	10 no. 9 keys
CARD FORMAT		
9690040	LAC-200	10 cards

RFID SPECIAL KEYS

CODE	MODEL	DESCRIPTION
KEYCHAIN FORMAT		
9690016	LAC-010	For configuration of the MLP-000 module
9690017	LAC-011	For access to multiple facilities

iACCESS KEY PROGRAMMER

CODE	MODEL	DESCRIPTION
KEYCHAIN FORMAT		
9690010	PLO-000	USB proximity key programmer

For further information regarding the iACCESS system,
see pages 76-79

New hoods with
front protector



9740253
VIS-314



9740280
VIP-314



9740262
VIS-324



9740272
VIP-335

/ Hoods

FOR FLUSH-MOUNTED BOXES

SINGLE HOODS

CODE	MODEL	WINDOWS
9740251	VIS-312	2 windows
9740252	VIS-313	3 windows
9740253	VIS-314	4 windows
9740254	VIS-315	5 windows
9740255	VIS-316	6 windows
9740256	VIS-317	7 windows
9740257	VIS-318	8 windows
9740258	VIS-319	9 windows
9740259	VIS-310	10 windows

SINGLE HOODS + PROTECTOR

CODE	MODEL	WINDOWS
9740278	VIP-312	2 windows
9740279	VIP-313	3 windows
9740280	VIP-314	4 windows
9740281	VIP-315	5 windows
9740282	VIP-316	6 windows
9740283	VIP-317	7 windows
9740284	VIP-318	8 windows
9740285	VIP-319	9 windows
9740286	VIP-310	10 windows

DOUBLE HOODS

CODE	MODEL	WINDOWS
9740260	VIS-322	2 windows
9740261	VIS-323	3 windows
9740262	VIS-324	4 windows
9740263	VIS-325	5 windows
9740264	VIS-326	6 windows
9740265	VIS-327	7 windows
9740266	VIS-328	8 windows
9740267	VIS-329	9 windows
9740268	VIS-320	10 windows

DOUBLE HOODS + PROTECTOR

CODE	MODEL	WINDOWS
9740287	VIP-322	2 windows
9740288	VIP-323	3 windows
9740289	VIP-324	4 windows
9740290	VIP-325	5 windows
9740291	VIP-326	6 windows
9740292	VIP-327	7 windows
9740293	VIP-328	8 windows
9740294	VIP-329	9 windows
9740295	VIP-320	10 windows

TRIPLE HOODS

CODE	MODEL	WINDOWS
9740269	VIS-332	2 windows
9740270	VIS-333	3 windows
9740271	VIS-334	4 windows
9740272	VIS-335	5 windows
9740273	VIS-336	6 windows
9740274	VIS-337	7 windows
9740275	VIS-338	8 windows
9740276	VIS-339	9 windows
9740277	VIS-330	10 windows

TRIPLE HOODS + PROTECTOR

CODE	MODEL	WINDOWS
9740296	VIP-332	2 windows
9740297	VIP-333	3 windows
9740298	VIP-334	4 windows
9740299	VIP-335	5 windows
9740300	VIP-336	6 windows
9740301	VIP-337	7 windows
9740302	VIP-338	8 windows
9740303	VIP-339	9 windows
9740304	VIP-330	10 windows

New

/ Hoods

FOR SURFACE BOXES

SINGLE HOODS

CODE	MODEL	WINDOWS
9740136	VIS-211	2 windows
9740137	VIS-212	3 windows
9740138	VIS-213	4 windows
9740139	VIS-214	5 windows
9740140	VIS-215	6 windows
9740141	VIS-216	7 windows
9740142	VIS-217	8 windows
9740143	VIS-218	9 windows
9740144	VIS-219	10 windows

DOUBLE HOODS

CODE	MODEL	WINDOWS
9740145	VIS-221	2 windows
9740146	VIS-222	3 windows
9740147	VIS-223	4 windows
9740148	VIS-224	5 windows
9740149	VIS-225	6 windows
9740150	VIS-226	7 windows
9740151	VIS-227	8 windows
9740152	VIS-228	9 windows
9740153	VIS-229	10 windows

TRIPLE HOODS

CODE	MODEL	WINDOWS
9740154	VIS-231	2 windows
9740155	VIS-232	3 windows
9740156	VIS-233	4 windows
9740157	VIS-234	5 windows
9740158	VIS-235	6 windows
9740159	VIS-236	7 windows
9740160	VIS-237	8 windows
9740161	VIS-238	9 windows
9740162	VIS-239	10 windows

Items of installation

ELECTRIC LOCKS



9730087
ABR-021



9730025
ABR-011



9730077
VEN-005



9730033
ESC-010

/ Flush electric locks

WITH ADJUSTABLE LATCH

UNIVERSAL

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

COMPACT SIZE

CODE	MODEL	DESCRIPTION
9730025	ABR-011	Simple 15V DC
9730007	ABR-013	Automatic 15V DC
9730008	ABR-014	Automatic and manual release 15V DC
9730085	ABR-019	Fail safe 15V DC

STANDARD SIZE

CODE	MODEL	DESCRIPTION
9730062	ABR-015	Simple 15V DC
9730064	ABR-017	Automatic 15V DC
9730065	ABR-018	Automatic and manual release 15V DC

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

CODE	MODEL	DESCRIPTION
9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V



9730004
CNP-001



9730033
ESC-010



9730021
ASC-050

9730103
PPA-002

/ Accessories

CODE	MODEL	DESCRIPTION
9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620011	ALM-040	25 VA power supply unit, video door entry system
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button

POWER SUPPLY UNITS, SPLITTERS & REGENERATORS

/ Power supply units

AND VOLTAGE REGENERATOR

CODE	MODEL	DESCRIPTION
9650004	ALS-020	Power supply unit interface
9650013	REG-050	BUS voltage regenerator

/ Tap-offs

1 OR 4 OUTPUTS FOR INDOOR UNITS AND THROUGHT

CODE	MODEL	DESCRIPTION
9730102	DIV-464	4 outputs, compact
9730098	DIV-261	1 output, cascade
9730080	DIV-064	4 outputs
9730079	DIV-061	1 output
9770052	RVE-017	Line termination load

/ Splitters

BIDIRECTIONAL SPLITTERS. 2 OR 4 LINES

CODE	MODEL	DESCRIPTION
9730082	DIV-152	2 lines
9730071	DIV-154	4 lines

/ Regenerators

SIGNAL AMPLIFIERS

CODE	MODEL	DESCRIPTION
9650022	REG-054	Descendant audio and video
9650021	REG-053	Ascendant audio signal amplifier

/ Housing estate accessory

CODE	MODEL	DESCRIPTION
9650025	GCO-001	Control unit for building

/ Cables

RECOMMENDED (OPTIMIZED SCREENED SLEEVED CABLE)

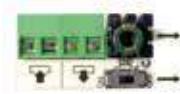
CODE	MODEL	DESCRIPTION
9750009	CAB-307	2x1 mm ² (by 100m coils)
9750010	CAB-357	2x1 mm ² (by 500m coils)

SMALL FACILITIES (SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750005	CAB-007	2x1 mm ² (by 100m coils)
9750002	CAB-004	2x0,5 mm ² (by 100m coils)



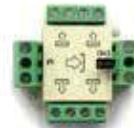
9650004
ALS-020



9730098
DIV-261



9730082
DIV-152



9730071
DIV-154



9650022
REG-054



9730079
DIV-061



9770052
RVE-017



9750009
CAB-307



9750010
CAB-357

Aloi

entrance panel

The anti-vandal entrance panel that can take on anything

Integrated
**ACTIVE
VIEW**
TECHNOLOGY

Colours as
you have never
seen before



WDR function: delivers stunning image quality, even in extreme conditions



Protection against water / dust IP55



iACCESS
module

Offers convenient and secure access control via electronic key.

MADE IN SPAIN

Items of the entrance panel

/ Entrance panels

**VANDAL-PROOF STAINLESS STEEL WITH PUSHBUTTONS AND COMPLETE MODULE
(CAMERA, VOICE SYNTHESIZER, AUDIO UNIT AND ACCESSIBILITY DISPLAY)**

SINGLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800227	PTS-63201	1
9800228	PTS-63202	2
9800229	PTS-63203	3
9800230	PTS-63204	4
9800231	PTS-63205	5
9800232	PTS-63206	6
9800233	PTS-63207	7
9800234	PTS-63208	8
9800235	PTS-63209	9
9800236	PTS-63210	10

DOUBLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800237	PTD-63201	2 (1 double)
9800238	PTD-63202	4 (2 doubles)
9800239	PTD-63203	6 (3 doubles)
9800240	PTD-63204	8 (4 doubles)
9800241	PTD-63205	10 (5 doubles)
9800242	PTD-63206	12 (6 doubles)
9800243	PTD-63207	14 (7 doubles)
9800244	PTD-63208	16 (8 doubles)
9800245	PTD-63209	18 (9 doubles)
9800246	PTD-63210	20 (10 doubles)
9800247	PTD-63211	22 (11 doubles)
9800248	PTD-63212	24 (12 doubles)

/ Entrance panel extensions

**VANDAL-PROOF, MADE OF STAINLESS STEEL WITH
PUSH-BUTTONS AND iACCESS CARDHOLDER / READER**

SINGLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800249	PTS-64201	1
9800250	PTS-64202	2
9800251	PTS-64203	3
9800252	PTS-64204	4
9800253	PTS-64205	5
9800254	PTS-64206	6
9800255	PTS-64207	7
9800256	PTS-64208	8
9800257	PTS-64209	9
9800258	PTS-64210	10

DOUBLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800259	PTD-64201	2 (1 double)
9800260	PTD-64202	4 (2 doubles)
9800261	PTD-64203	6 (3 doubles)
9800262	PTD-64204	8 (4 doubles)
9800263	PTD-64205	10 (5 doubles)
9800264	PTD-64206	12 (6 doubles)
9800265	PTD-64207	14 (7 doubles)
9800266	PTD-64208	16 (8 doubles)
9800267	PTD-64209	18 (9 doubles)
9800268	PTD-64210	20 (10 doubles)
9800269	PTD-64211	22 (11 doubles)
9800270	PTD-64212	24 (12 doubles)

/ iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690035	LPR-010	Aloi compact panel
9690038	CCA-004	Central post. 1 door advanced management

For further information regarding the iACCESS system,
see pages 76-79

/ Cajas de empotrar

CODE	MODEL	DESCRIPTION
9740243	CMO-601	For module
9740244	CMO-602	For 1 / 2 storeys
9740245	CMO-604	For 3 / 4 storeys
9740246	CMO-606	For 5 / 6 storeys
9740247	CMO-608	For 7 / 8 storeys
9740248	CMO-610	For 9 / 10 storeys
9740249	CMO-612	For 11 / 12 storeys
9740225	CEM-003	Separator

/ Customisation

CODE	MODEL	DESCRIPTION
9800153	MLI-000	Laser marking for writing texts on Aloi entrance panels *

* If you wish to request laser marking on the entrance panel, you must order the MLI-000 accessory

/ Accessories

CODE	MODEL	DESCRIPTION
9740231	MAR-600	Decorative frame 1 entrance panel *
9740232	MAR-601	Decorative frame 2 entrance panels *
9740233	MAR-602	Decorative frame 3 entrance panels *
9670203	MVN-961	Separate camera entrance panel (audio + video)

* Fabricación en aluminio inoxidable a medida.
For order examples, see page 84

Items of installation

I ELECTRIC LOCKS

/ Flush electric locks

WITH ADJUSTABLE LATCH

UNIVERSAL

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

COMPACT SIZE

CODE	MODEL	DESCRIPTION
9730025	ABR-011	Simple 15V DC
9730007	ABR-013	Automatic 15V DC
9730008	ABR-014	Automatic and manual release 15V DC
9730085	ABR-019	Fail safe 15V DC

STANDARD SIZE

CODE	MODEL	DESCRIPTION
9730062	ABR-015	Simple 15V DC
9730064	ABR-017	Automatic 15V DC
9730065	ABR-018	Automatic and manual release 15V DC

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

CODE MODEL DESCRIPTION

9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V

/ Accessories

CODE MODEL DESCRIPTION

9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620011	ALM-040	25 VA power supply unit, video door entry system
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button



Take advantage of its configuration possibilities, with up to 12 storeys and 96 pushbuttons



Need a separate audio and video module?
We've got it!

9800242
PTD-63206

9800264
PTD-64206

9670203
MVN-961

Mounting example: 12 push-button (6 doubles) entrance panel + 12 push-button (6 doubles) extension

POWER SUPPLY UNITS,

SPLITTERS & REGENERATORS

/ Power supply units

AND VOLTAGE REGENERATOR

CODE	MODEL	DESCRIPTION
9650004	ALS-020	Power supply unit interface
9650013	REG-050	BUS voltage regenerator

/ Tap-offs

1 OR 4 OUTPUTS FOR INDOOR UNITS AND THROUGHT

CODE	MODEL	DESCRIPTION
9730102	DIV-464	4 outputs, compact
9730098	DIV-261	1 output, cascade
9730080	DIV-064	4 outputs
9730079	DIV-061	1 output
9770052	RVE-017	Line termination load

/ Splitters

BIDIRECTIONAL SPLITTERS. 2 OR 4 LINES

CODE	MODEL	DESCRIPTION
9730082	DIV-152	2 lines
9730071	DIV-154	4 lines

/ Regenerators

SIGNAL AMPLIFIERS

CODE	MODEL	DESCRIPTION
9650022	REG-054	Descendant audio and video
9650021	REG-053	Ascendant audio signal amplifier

/ Housing estate accessory

CODE	MODEL	DESCRIPTION
9650025	GCO-001	Control unit for building

/ Cables

RECOMMENDED (OPTIMIZED SCREENED SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750009	CAB-307	2x1 mm ² (by 100m coils)
9750010	CAB-357	2x1 mm ² (by 500m coils)

SMALL FACILITIES (SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750005	CAB-007	2x1 mm ² (by 100m coils)
9750002	CAB-004	2x0,5 mm ² (by 100m coils)

iBLACK

entrance panel

Perfect for large residential communities

Integrated
**ACTIVE
VIEW**
TECHNOLOGY

Colours as you have never seen before



WDR function: delivers stunning image quality, even in extreme conditions

ENTRANCE PANEL

PANEL WITH DIRECTORY
(OPTIONAL)

Camera with Active View Technology

White LEDs for night lighting

"Open door"

Electronic address book and 3.5" TFT colour screen

Audio-only version also available

Keypad for access control

1 2 3
4 5 6
7 8 9
C 0 #

UV resistant, flame retardant polycarbonate front panel

Up to 2.000 residents

Continuous aluminum profile

MADE IN SPAIN

Backlit directory. Displays the call number corresponding to each of the dwellings in the installation.

Items of the entrance panel



/ Entrance panel

ALPHANUMERIC KEYBOARD

CODE	MODEL	DESCRIPTION
9800195	PDK-51210	With audio unit, generic colour video unit, TFT screen, electronic directory and keypad
9800194	PDK-54210	With audio unit, generic colour video unit, TFT screen, electronic directory and keypad. For external entrance
9800079	PAK-51010	With audio unit, TFT screen, electronic directory and keypad
9800082	PAK-54010	With audio unit, TFT screen, electronic directory and keypad, for external entrance
9800077	PTN-50000	With call code-house indicator directory

/ iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690033	LPR-900	Compact panel with iACCESS reader
9690038	CCA-004	Central post. 1 door advanced management
9800114	PNK-50000	Entrance panel with keypad for access control

For further information regarding the iACCESS system,
see pages 76-79

/ Camera

CODE	MODEL	DESCRIPTION
9670193	MVN-909	Compact panel. Active View

/ Flush-mounted boxes

CODE	MODEL	DESCRIPTION
9740005	CMO-002	1 / 2 storeys
9740009	CMO-010	9 / 10 storeys
9740004	CEM-001	Separators (2 units)
9740208	CEM-002	Vertical separator

/ Surface boxes

CODE	MODEL	DESCRIPTION
9740186	CSU-511	1 / 2 storeys
9740190	CSU-515	9 / 10 storeys
9740172	CSU-000	Separator

/ Angular surface boxes

CODE	MODEL	STOREYS
9740163	CSU-311	1 / 2 storeys
9740167	CSU-315	9 / 10 storeys

/ Frames

CODE	MODEL	DESCRIPTION
9740047	MAR-900	Single entrance panel frame *
9740016	MAR-901	Double entrance panel frame *
9740017	MAR-902	Triple entrance panel frame *

* Made to measure in anodized aluminum.
For order examples, see page 85

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730006	APC-001	Common door: activates the same door opener from several entrance panels
9730097	APX-013	Double relay for maneuvers with auxiliary push-buttons of the housing terminals and other functions
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730086	CCV-001	Connects a CCTV camera to an audio entrance panel
9730103	PPA-002	Illuminated vandal-proof timed push-button

/ Hoods

FOR FLUSH-MOUNTED BOXES

SINGLE HOODS

CODE	MODEL	STOREYS
9740251	VIS-312	1 or 2
9740255	VIS-316	9 or 10

DOUBLE HOODS

CODE	MODEL	STOREYS
9740260	VIS-322	1 or 2
9740264	VIS-326	9 or 10

TRIPLE HOODS

CODE	MODEL	STOREYS
9740269	VIS-332	1 or 2
9740273	VIS-336	9 or 10

 New

SINGLE HOODS + PROTECTOR

CODE	MODEL	STOREYS
9740278	VIP-312	1 or 2
9740282	VIP-316	9 or 10

DOUBLE HOODS + PROTECTOR

CODE	MODEL	STOREYS
9740287	VIP-322	1 or 2
9740291	VIP-326	9 or 10

TRIPLE HOODS + PROTECTOR

CODE	MODEL	STOREYS
9740296	VIP-332	1 or 2
9740300	VIP-336	9 or 10

/ Hoods

FOR SURFACE BOXES

SINGLE HOODS

CODE	MODEL	STOREYS
9740136	VIS-211	1 or 2
9740140	VIS-215	9 or 10

DOUBLE HOODS

CODE	MODEL	STOREYS
9740145	VIS-221	1 or 2
9740149	VIS-225	9 or 10

TRIPLE HOODS

CODE	MODEL	STOREYS
9740154	VIS-231	1 or 2
9740158	VIS-235	9 or 10

Items of installation

ELECTRIC LOCKS

/ Flush electric locks

WITH ADJUSTABLE LATCH

UNIVERSAL

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

STANDARD SIZE

CODE	MODEL	DESCRIPTION
9730062	ABR-015	Simple 15V DC
9730064	ABR-017	Automatic 15V DC
9730065	ABR-018	Automatic and manual release 15V DC

COMPACT SIZE

CODE	MODEL	DESCRIPTION
9730025	ABR-011	Simple 15V DC
9730007	ABR-013	Automatic 15V DC
9730008	ABR-014	Automatic and manual release 15V DC
9730085	ABR-019	Fail safe 15V DC

9730087
ABR-0219730025
ABR-0119730077
VEN-0059730033
ESC-0109730021
ASC-0509730103
PPA-002

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

CODE	MODEL	DESCRIPTION
9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V

/ Accessories

CODE	MODEL	DESCRIPTION
9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620011	ALM-040	25 VA power supply unit, video door entry system
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button

| POWER SUPPLY UNITS, SPLITTERS & REGENERATORS

/ Power supply units

AND VOLTAGE REGENERATOR

CODE	MODEL	DESCRIPTION
9650004	ALS-020	Power supply unit interface
9650013	REG-050	BUS voltage regenerator

/ Regenerators

SIGNAL AMPLIFIERS

CODE	MODEL	DESCRIPTION
9650022	REG-054	Descendant audio and video
9650021	REG-053	Ascendant audio signal amplifier

/ Tap-offs

1 OR 4 OUTPUTS FOR INDOOR UNITS AND THROUGHT

CODE	MODEL	DESCRIPTION
9730102	DIV-464	4 outputs, compact
9730098	DIV-261	1 output, cascade
9730080	DIV-064	4 outputs
9730079	DIV-061	1 output
9770052	RVE-017	Line termination load

/ Housing estate accessory

CODE	MODEL	DESCRIPTION
9650025	GCO-001	Control unit for building

/ Cables

RECOMMENDED (OPTIMIZED SCREENED SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750009	CAB-307	2x1 mm ² (by 100m coils)
9750010	CAB-357	2x1 mm ² (by 500m coils)

/ Splitters

BIDIRECTIONAL SPLITTERS. 2 OR 4 LINES

CODE	MODEL	DESCRIPTION
9730082	DIV-152	2 lines
9730071	DIV-154	4 lines

SMALL FACILITIES (SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750005	CAB-007	2x1 mm ² (by 100m coils)
9750002	CAB-004	2x0,5 mm ² (by 100m coils)

Vandal-proof with keypad entrance panel

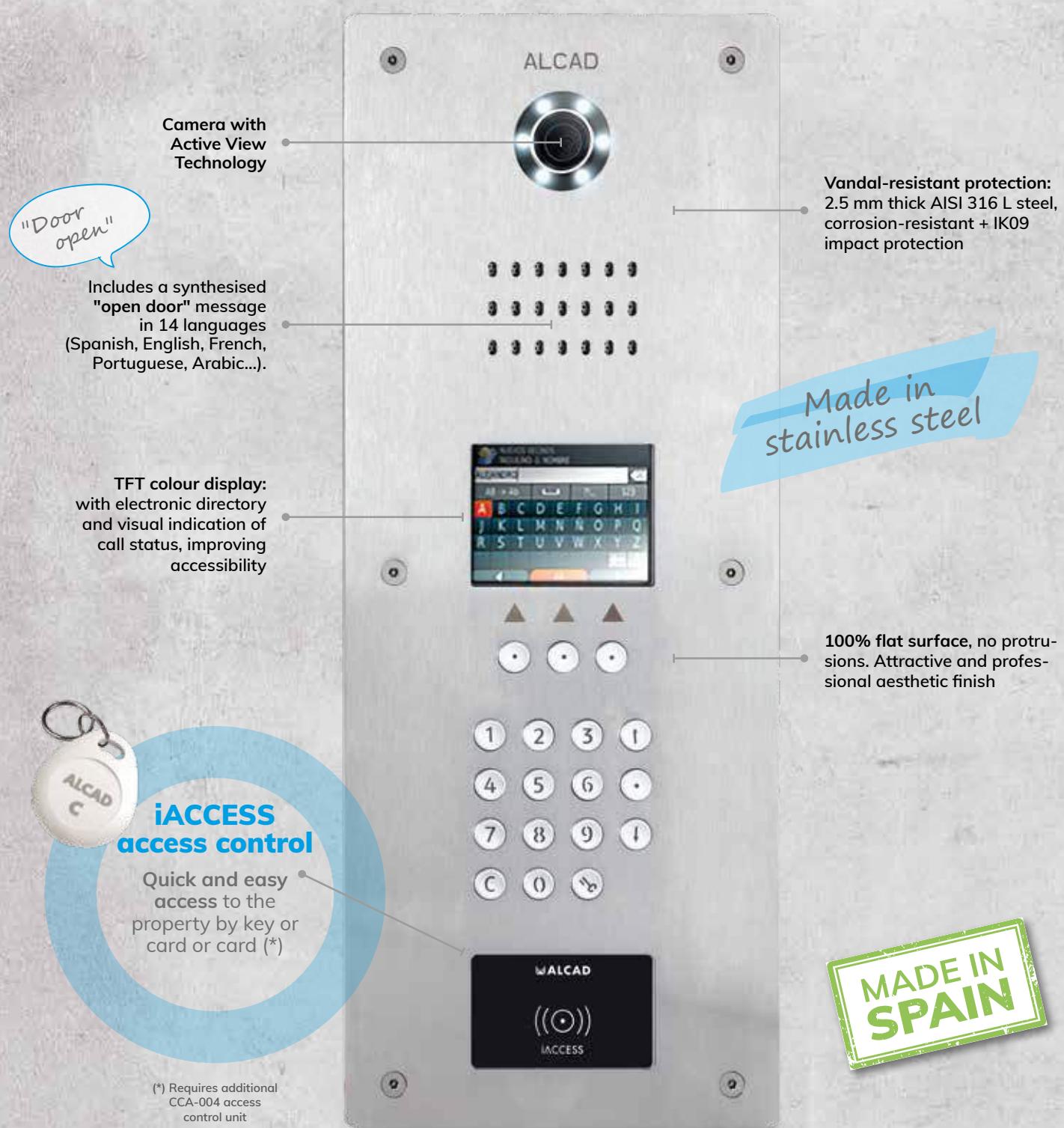
Integrated
**ACTIVE
VIEW
TECHNOLOGY**

Colours as
you have never
seen before



WDR function: delivers
stunning image quality,
even in extreme conditions

The ready-to-install
all-in-one solution



Items of the entrance panel

/ Entrance panel

WITH KEYPAD AND ACCESS CONTROL

CODE	MODEL	DESCRIPTION
9800196	PDK-61211	Vandal resistant entrance panel with 2-wire audio unit, ACTIVE VIEW video unit, TFT screen, electronic directory and keypad

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730006	APC-001	Common door: activates the same door opener from several entrance panels
9730097	APX-013	Double relay for maneuvers with auxiliary push-buttons of the housing terminals and other functions
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button

/ iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690038	CCA-004	Advanced management central post For further information regarding the iACCESS system, see pages 76-79



9730006
APC-001



9730103
PPA-002



9690038
CCA-004

Items of installation

| ELECTRIC LOCKS

/ Flush electric locks

WITH ADJUSTABLE LATCH

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

CODE	MODEL	DESCRIPTION
9730062	ABR-015	Simple 15V DC
9730064	ABR-017	Automatic 15V DC
9730065	ABR-018	Automatic and manual release 15V DC

CODE	MODEL	DESCRIPTION
9730025	ABR-011	Simple 15V DC
9730007	ABR-013	Automatic 15V DC
9730008	ABR-014	Automatic and manual release 15V DC
9730085	ABR-019	Fail safe 15V DC

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

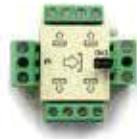
CODE	MODEL	DESCRIPTION
9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V



9650004
ALS-020



9650022
REG-054



9730102
DIV-464

/ Accessories

CODE	MODEL	DESCRIPTION
9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620011	ALM-040	25 VA power supply unit, video door entry system
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button



9730098
DIV-261



9730079
DIV-061



9770052
RVE-017

| POWER SUPPLY UNITS, SPLITTERS & REGENERATORS

/ Power supply units

AND VOLTAGE REGENERATOR

CODE	MODEL	DESCRIPTION
9650004	ALS-020	Power supply unit interface
9650013	REG-050	BUS voltage regenerator

/ Tap-offs

1 OR 4 OUTPUTS FOR INDOOR UNITS AND THROUGHT

CODE	MODEL	DESCRIPTION
9730102	DIV-464	4 outputs, compact
9730098	DIV-261	1 output, cascade
9730080	DIV-064	4 outputs
9730079	DIV-061	1 output
9770052	RVE-017	Line termination load

/ Splitters

BIDIRECTIONAL SPLITTERS. 2 OR 4 LINES

CODE	MODEL	DESCRIPTION
9730082	DIV-152	2 lines
9730071	DIV-154	4 lines

/ Regenerators

SIGNAL AMPLIFIERS

CODE	MODEL	DESCRIPTION
9650022	REG-054	Descendant audio and video
9650021	REG-053	Ascendant audio signal amplifier

/ Housing estate accessory

CODE	MODEL	DESCRIPTION
9650025	GCO-001	Control unit for building

/ Cables

RECOMMENDED (OPTIMIZED SCREENED SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750009	CAB-307	2x1 mm ² (by 100m coils)
9750010	CAB-357	2x1 mm ² (by 500m coils)

SMALL FACILITIES (SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750005	CAB-007	2x1 mm ² (by 100m coils)
9750002	CAB-004	2x0,5 mm ² (by 100m coils)



ENARA 7" WI-FI MONITOR

7" screen with Active View technology

Image & video recording

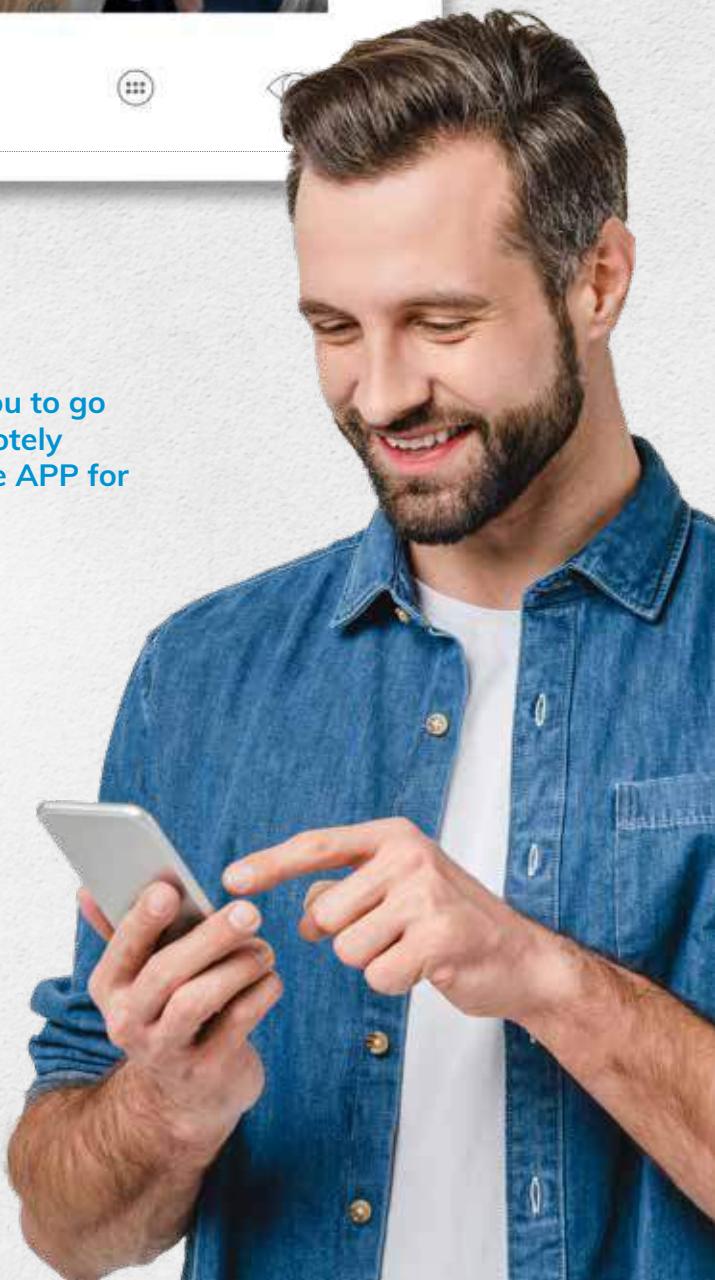
Micro-SD card slot

Backlit touch buttons

Its Wi-Fi module will allow you to go online and manage calls remotely from your mobile, using a free APP for Android or iOS.

Main features:

- Surface mount.
- 2 auxiliary buttons.
- Integrated cascade diverter.
- Pluggable connection terminals.
- Languages: English, French, Spanish, Italian, Portuguese, Turkish and Czech.



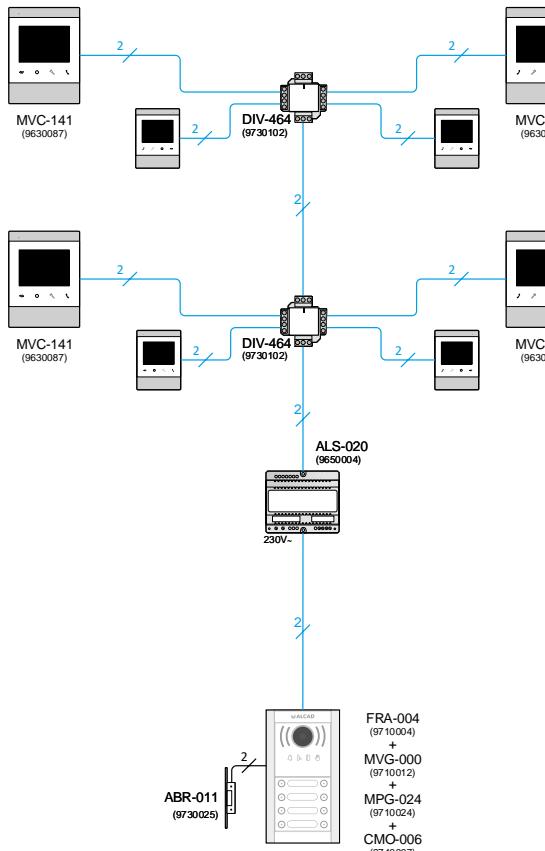
Standard quotes and diagrams Usoa

STANDARD QUOTE. 1 ACCESS POINT

		MODEL																												
No of flats		MVC-141	FRA-003	FRA-004	FRA-005	MVG-000	MVG-011	MVG-021	MVG-022	MPP-011	MPP-012	MPP-021	MPP-022	MPP-014	MPP-024	MTP-000	MTP-001	MTP-002	MTP-003	MTP-004	MTP-005	MTP-006	MTP-007	MTP-008	MTP-009	MTP-010	ABR-011			
1x3	3	1				1	1									ALS-020	DIV-061	DIV-464	RVE-017	CEM-001	CMO-004	CMO-006	CMO-008	CMO-010						
2x3	6	1					1	1								1	3	1	1											
2x4	8	1	1					1								1	4			1	1									
2x5	10	1						1								1	5			1	1									
2x6*	12		1	1				1	1							1	6			1	1									
3x4	12	2		1					1	1	1	1				4	1	2	1											
3x5	15	2			1	1			1	1	1	1				1	5	1	2	1										
3x6	18		2	1				1	1	1	1	1				1	6		1	2	1									
4x4	16	2		1					2	1	1	1				4	1	2	1											
4x5	20	2			1	1			2	1	1	1				1	5	1	2	1										
4x8	32		2	1						4	1	1	1				8	1												

* Installation for 2 flats per storey and 6 storeys.

DIAGRAM. 1 ACCESS POINT

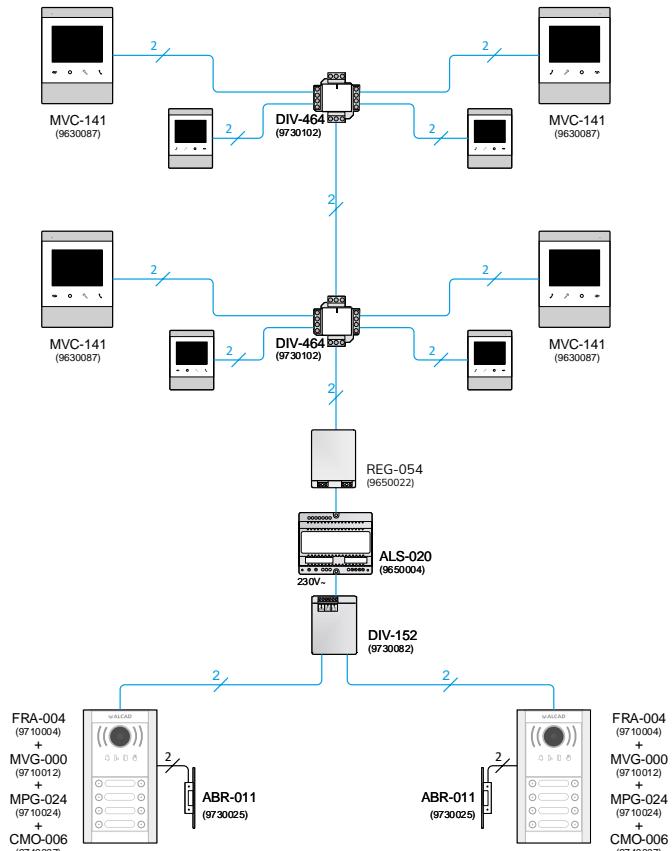


STANDARD QUOTE. 2 ACCESS POINTS

		MODEL																										
No of flats		MVC-141	FRA-003	FRA-004	FRA-005	MVG-000	MVG-011	MVG-021	MPP-011	MPP-012	MPP-021	MPP-022	MPP-014	MPP-024	MTP-000	MTP-001	MTP-002	MTP-003	MTP-004	MTP-005	MTP-006	MTP-007	MTP-008	MTP-009	MTP-010	ABR-011		
1x3	3	2				2	2	2	2	2	2	2	2	2	1	3	1	1	1	2	2	2	2	2	2	2		
2x3	6	2					2	2	2	2	2	2	2	2	1	4	1	1	1	2	2	2	2	2	2	2		
2x4	8	2	2					2	2	2	2	2	2	2	2	1	5	1	1	1	2	2	2	2	2	2		
2x5	10	2						2	2	2	2	2	2	2	2	1	6	1	1	1	2	2	2	2	2	2		
2x6*	12		2	2					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
3x4	12	4		2					2	2	2	2	2	2	2	2	1	4	1	1	2	4	2					
3x5	15	4			2	2			2	2	2	2	2	2	2	1	5	1	1	2	4	2						
3x6	18	4	2	2					2	2	2	2	2	2	2	2	2	1	6	1	1	2	4	2				
4x4	16	4		2					2	2	2	2	2	2	2	2	2	1	4	1	1	2	4	2				
4x5	20	4			2	2			2	2	2	2	2	2	2	2	2	1	5	1	1	2	4	2				
4x8	32		4	2					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

* Installation for 2 flats per storey and 6 storeys.

DIAGRAM. 2 ACCESS POINTS



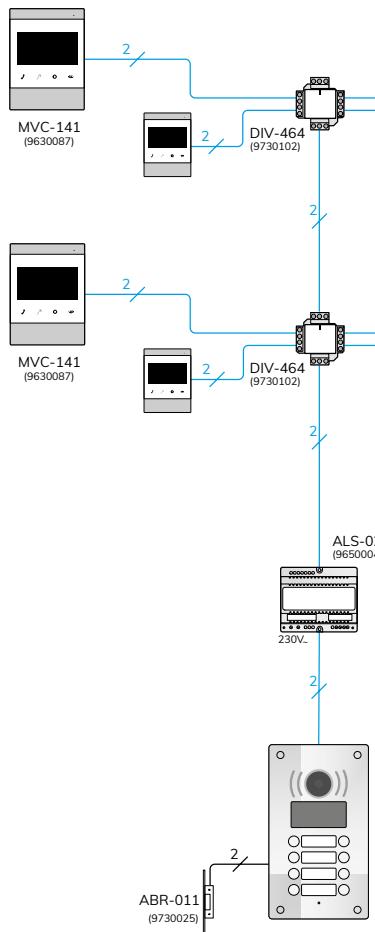
Standard quotes and diagrams Aloï

STANDARD QUOTE. 1 ACCESS POINT

No OF FLATS	MODEL																					
	MVC-141	PTS-63203	PTD-63204	PTD-63205	PTD-63206	PTD-63207	PTD-63208	PTS-64204	PTS-64205	PTS-64206	PTD-64204	PTD-64205	PTD-64208	ALS-020	DIV-061	DIV-464	RVE-017	CEM-003	CMO-604	CMO-606	CMO-608	ABR-011
1x3	3 1								1 3	1	1	1	1									
2x3	6 1								1 3	1	1	1	1									
2x4	8 1								1 4	1	1	1	1									
2x5	10 1								1 5	1	1	1	1									
2x6*	12 1								1 6	1	1	1	1									
3x4	12	1	1						1 4	1	2	1	1									
3x5	15	1	1						1 5	1	2	1	1									
3x6	18	1	1						1 6	1	2	1	1									
4x4	16	1	1	1					1 4	1	2	1	1									
4x5	20	1							1 1	5	1	2	1									
4x8	32								1 1	8	1		2	1								

* Installation for 2 flats per storey and 6 storeys.

DIAGRAM. 1 ACCESS POINT

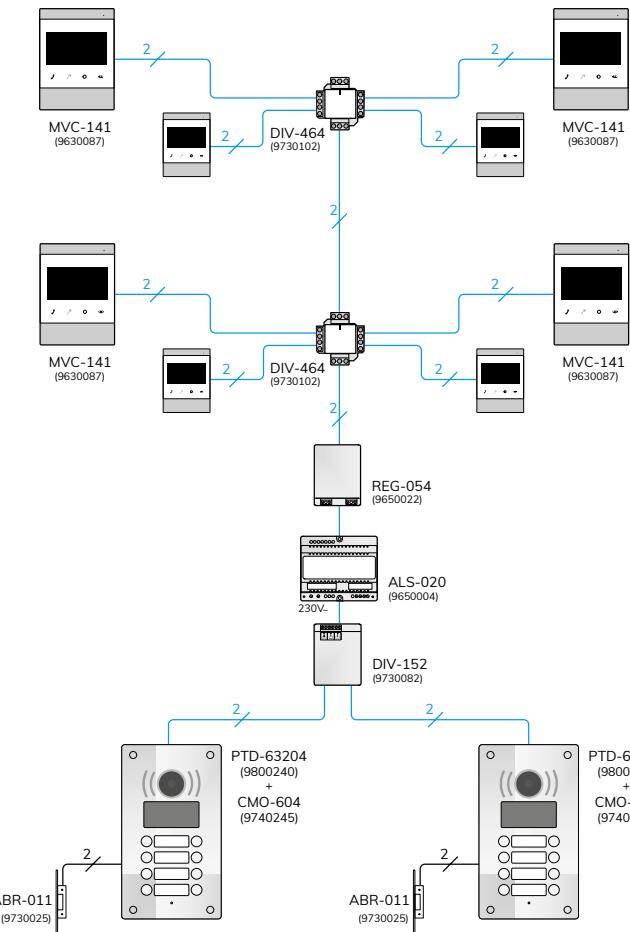


STANDARD QUOTE. 2 ACCESS POINTS

No OF FLATS	MODEL																					
	MVC-141	PTS-63203	PTD-63203	PTD-63204	PTD-63205	PTD-63206	PTS-64208	PTS-64209	PTS-64206	PTD-64204	PTD-64205	PTD-64208	ALS-020	DIV-061	DIV-464	RVE-017	REG-054	CEM-003	CMO-604	CMO-606	CMO-608	ABR-011
1x3	3 2								1 3	1	1	1	2	2								
2x3	6 2								1 3	1	1	1	2	2								
2x4	8 2								1 4	1	1	1	2	2								
2x5	10 2								1 5	1	1	1	2	2								
2x6*	12 2								1 6	1	1	1	2	2								
3x4	12 2								1 4	1	1	2	4	2								
3x5	15 2								1 5	1	1	2	4	2								
3x6	18 2								1 6	1	1	2	4	2								
4x4	16 2								1 4	1	1	2	4	2								
4x5	20 2								2 1	5	1	1	2	4	2							
4x8	32 2								2 1	8	1	1	2	4	2							

* Installation for 2 flats per storey and 6 storeys.

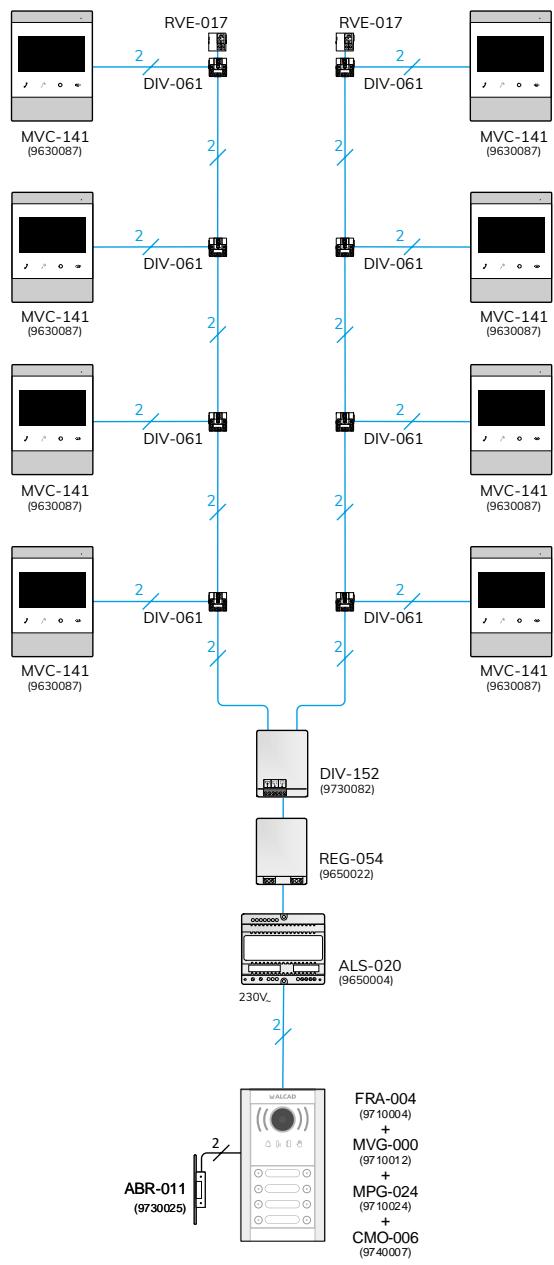
DIAGRAM. 2 ACCESS POINTS



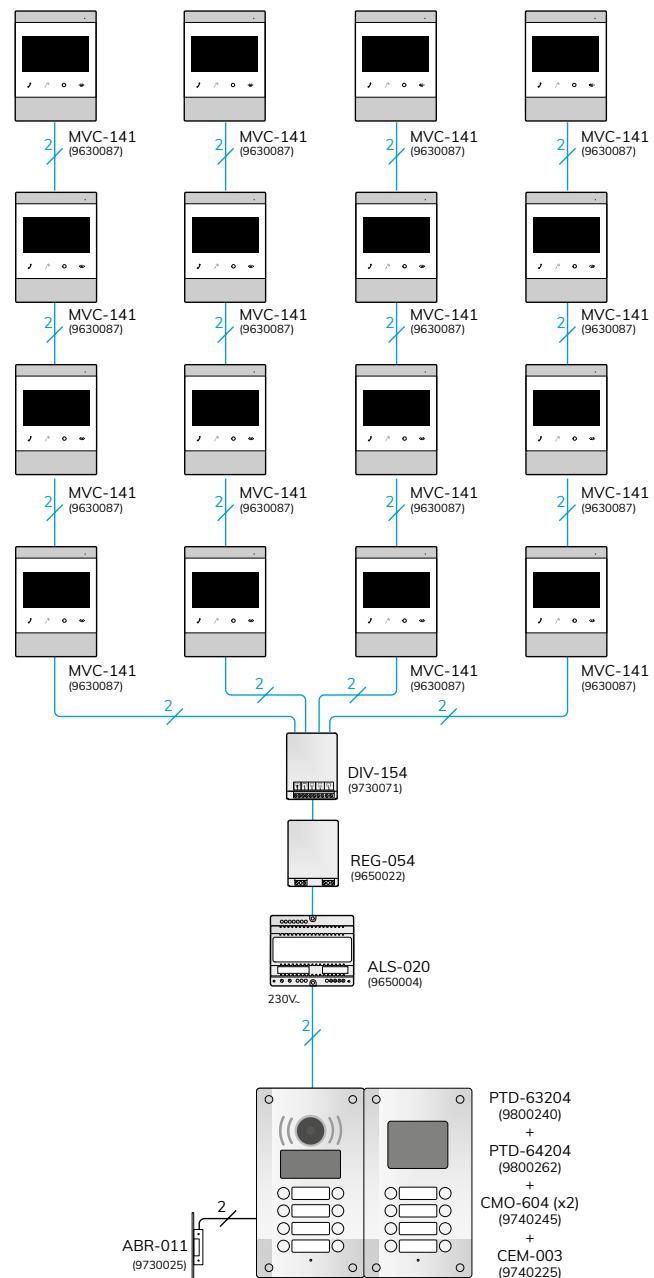
Diagrams

2 WIRES

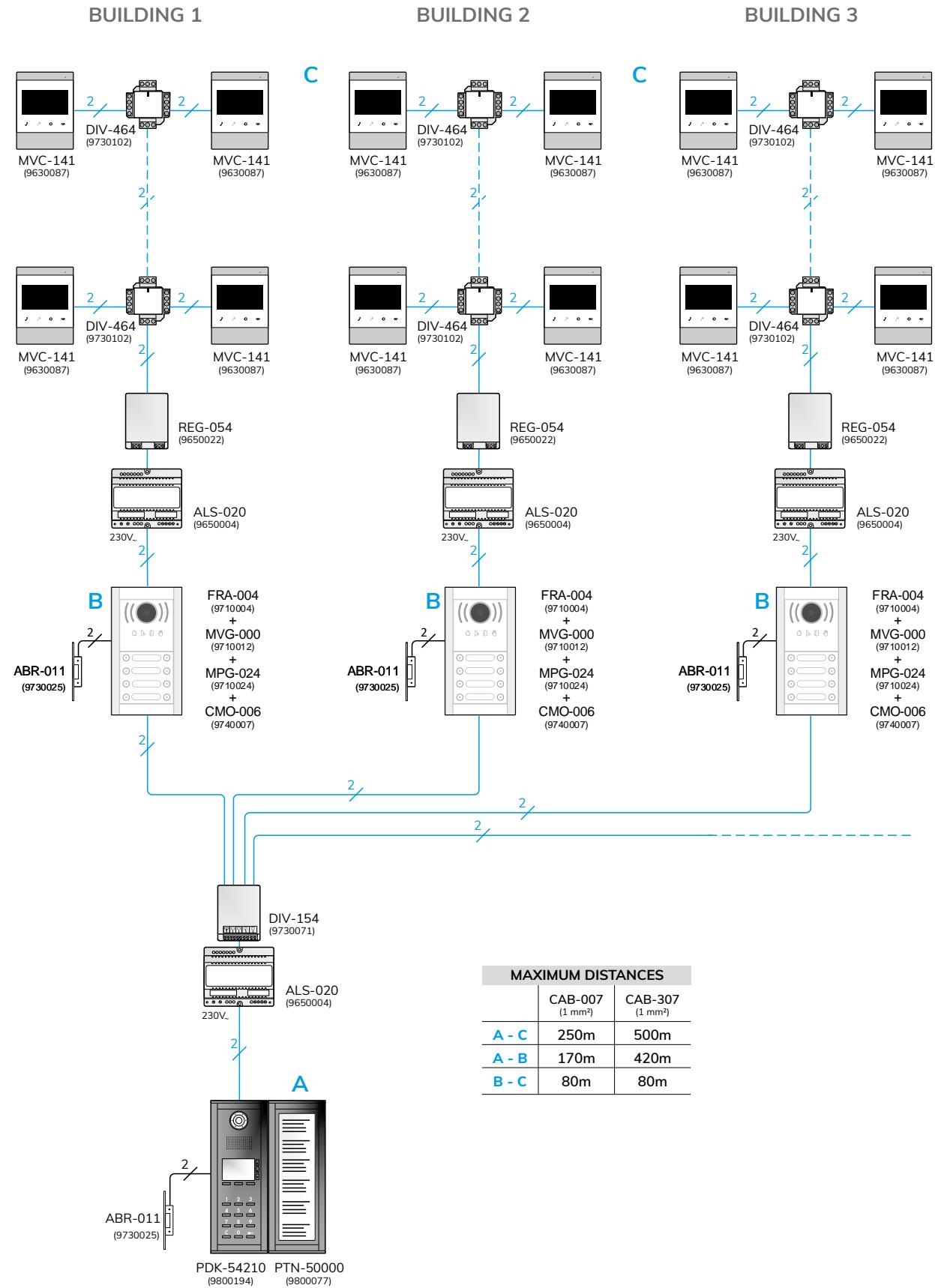
**STANDARD DIAGRAM.
BUILDING WITH 2 BACKBONES AND
MONITORS USING DISTRIBUTION
TAP-OFF DEVICES**



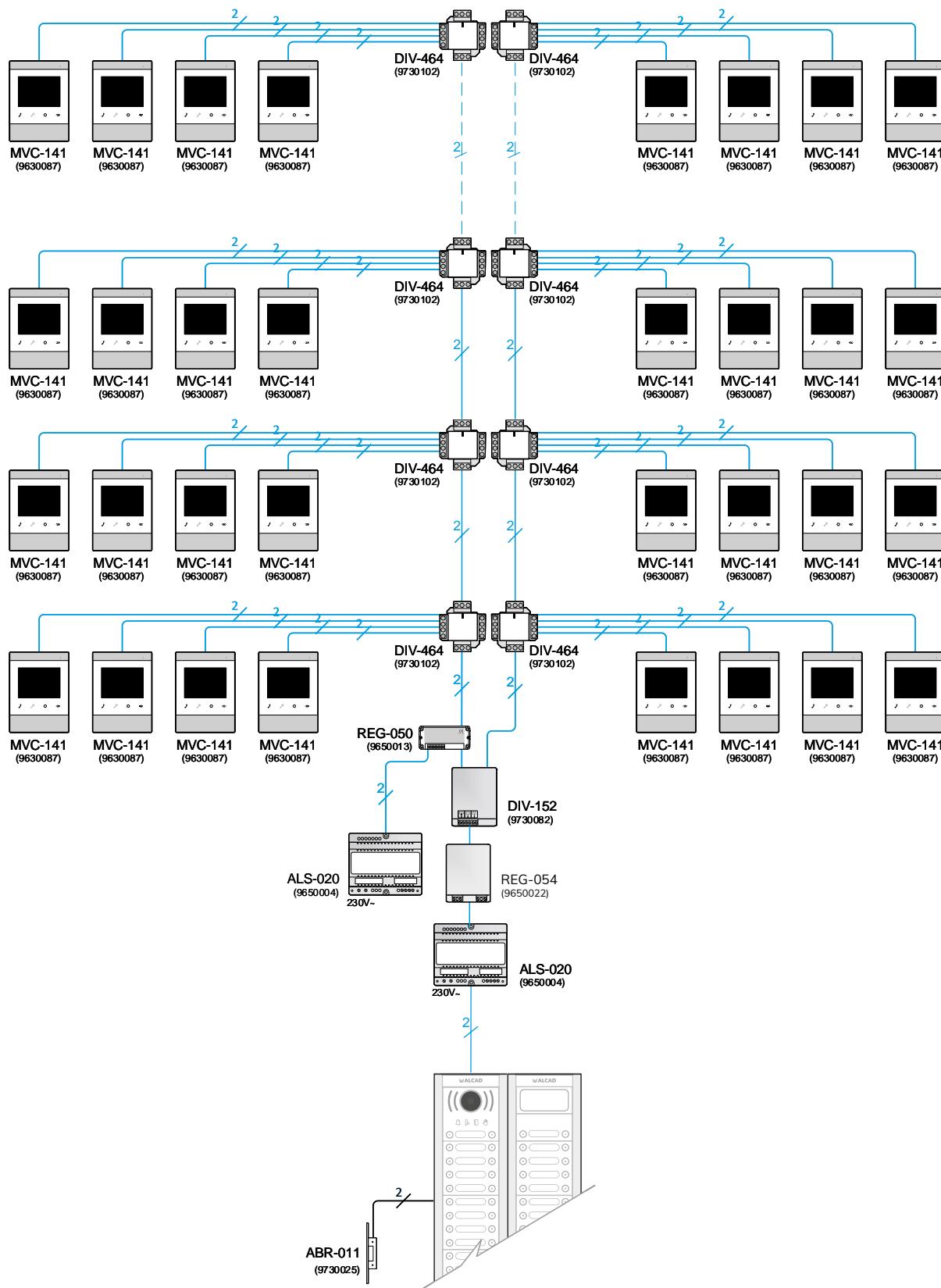
**STANDARD DIAGRAM.
BUILDING WITH 2 BACKBONES
AND MONITORS IN CASCADE MODE
CONFIGURATION**



**STANDARD DIAGRAM.
HOUSING ESTATE
WITH EXTERNAL ACCESS**



STANDARD DIAGRAM.
BUILDING OF BETWEEN
34 AND 64 FLATS





Colours as
you had
never seen

USOA

The modular entrance
panel that adapts to you

USOA offers you total freedom of choice
of modules to create personalized
compositions, with an innovative aesthetic



DIGITAL

Indoor units

/ Handsets

WITH ELECTRONIC CALL AND
PRIVACY OF COMMUNICATION

CODE	MODEL	DESCRIPTION
9600007	TED-001	1 push-button
9600010	TED-002	2 push-buttons



/ Decorative frames

FOR MONITOR

CODE	MODEL	DESCRIPTION
9730035	MAE-001	Dimensions: 250x275mm
9730036	MAE-002	Dimensions: 300x325mm
9730034	MAE-900	Made to measure *

* Made to measure in anodized aluminum.
Order example: MAE-900 (210x260), decorative frame for monitor, with 210mm outside width and 260mm height

FOR HANDSET

CODE	MODEL	DESCRIPTION
9730092	MAE-101	Dimensions: 125x275mm
9730093	MAE-102	Dimensions: 250x275mm
9730091	MAE-902	Made to measure *

* Made to measure in anodized aluminum.
Order example: MAE-902 (210x260), decorative frame for monitor, with 210mm outside width and 260mm height



/ Desktop supports

CODE	MODEL	DESCRIPTION
9730049	SSM-001	For monitor with handset
9730029	SST-001	For handset

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730019	AAL-200	Electronic call extension
9730021	ASC-050	Selector switch accessory activated by means of electronic call, buzzer call or external signal
9730057	ASC-051	Selector switch accessory with timer activated by means of external control signal
9730018	AAL-120	Accessory to connect an AAL-200, ASC-050 or ASC-051 to a DIGITAL handset
9730061	AAL-130	Accessory for receiving calls from the landing on the handset

Entrance panels Línea 201



9800033
PAK-41000



9800002
PTN-00000



9800071
PAK-61000



9800073
PTN-60000

/ Entrance panels with keypad

HOUSE CALL WITH KEYPAD AND NUMERIC DISPLAY

FOR INSTALLATIONS WITH GUARD UNIT SYSTEM

CODE	MODEL	DESCRIPTION
------	-------	-------------

9800037	PAK-42000	Audio only, for building
---------	------------------	--------------------------

9800038	PAK-44000	Audio only, for external entrance in a housing estate
---------	------------------	---

9800002	PTN-00000	With directory
---------	------------------	----------------

FOR INSTALLATIONS WITHOUT GUARD UNIT SYSTEM

CODE	MODEL	DESCRIPTION
------	-------	-------------

9800033	PAK-41000	Audio only
---------	------------------	------------

9800002	PTN-00000	With directory
---------	------------------	----------------

9800071	PAK-61000	Audio only, vandal-proof (includes flush-mounted box)
---------	------------------	---

9800073	PTN-60000	Entrance panel with backlit directory
---------	------------------	---------------------------------------

/ Compact entrance panel

WITH KEYPAD FOR ACCESS CONTROL

FOR INSTALLATIONS WITH GUARD UNIT SYSTEM

CODE	MODEL	DESCRIPTION
------	-------	-------------

9800006	PNK-00000	Keypad for access control
---------	------------------	---------------------------

/ Entrances panels with push-buttons

UPPER MODULES WITH AUDIO UNIT,
CARDHOLDER OR iACCESS

SINGLE MODULE

CODE	MODEL	DESCRIPTION
9670144	MAN-470	Audio unit
9690034	LPR-200	iACCESS cardholder
9670018	MTN-000	Cardholder
9670021	MLN-000	Blank

DOUBLE MODULE

CODE	MODEL	DESCRIPTION
9670146	MCN-470	Audio unit and blank
9670145	MMN-470	Audio unit and cardholder
9670086	MLT-000	Cardholder and blank

ELECTRONIC MODULES

CODE	MODEL	DESCRIPTION
9730030	COL-000	Concentrator for 16 calls
9730068	AIB-010	Housing estate identifying accessory



9670144
MAN-470



9690034
LPR-200



9670018
MTN-000



9670021
MLN-000

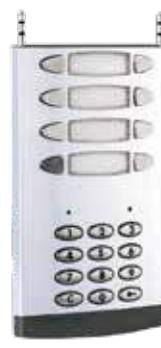
/ iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690034	LPR-200	iACCESS cardholder
9770083	RVE-032	iACCESS antenna for cardholder
9690038	CCA-004	Central post. 1 door advanced management

For further information regarding the iACCESS system,
see pages 76-79



9660064
MPD-900



9660016
MKD-900

LOWER MODULES WITH PUSH-BUTTONS

SINGLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9660014	MPS-001	1
9660015	MPS-002	2
9660000	MPS-003	3
9660001	MPS-004	4
9660002	MPS-005	5
9660003	MPS-006	6
9660004	MPS-007	7
9660005	MPS-008	8
9660006	MPS-009	9
9660007	MPS-010	10
9660008	MPS-011	11
9660009	MPS-012	12
9660010	MPS-013	13
9660011	MPS-014	14
9660012	MPS-015	15
9660013	MPS-016	16

DOUBLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9660048	MPD-001	2 (1 double)
9660049	MPD-002	4 (2 doubles)
9660050	MPD-003	6 (3 doubles)
9660051	MPD-004	8 (4 doubles)
9660052	MPD-005	10 (5 doubles)
9660053	MPD-006	12 (6 doubles)
9660054	MPD-007	14 (7 doubles)
9660055	MPD-008	16 (8 doubles)
9660056	MPD-009	18 (9 doubles)
9660057	MPD-010	20 (10 doubles)
9660058	MPD-011	22 (11 doubles)
9660059	MPD-012	24 (12 doubles)
9660060	MPD-013	26 (13 doubles)
9660061	MPD-014	28 (14 doubles)
9660062	MPD-015	30 (15 doubles)
9660063	MPD-016	32 (16 doubles)

CONFIGURABLE PUSH-BUTTONS

CODE	MODEL	STOREYS
9660064	MPD-900	1 to 8 *
9660065	MPD-901	9 to 16 **
9660016	MKD-900	1 to 12 storeys with keypad for access control ***

* For order examples, see page 80

** For order examples, see page 81

*** For order examples, see page 82

Guard unit



/ Guard unit terminal

CODE	MODEL	DESCRIPTION
9800012	PAK-03020	Guard unit panel with digital audio unit, numeric display and numeric keypad
9680008	TCD-001	Handset for DIGITAL guard unit system with electronic call and privacy of conversation



/ Supports for guard units

CODE	MODEL	DESCRIPTION
9730054	SSC-001	Desktop support for guard unit with handset
9740008	CMO-008	Flush-mounted box
9740103	CSU-214	Surface box

/ Selector switch accessories

FOR PUSH-BUTTONS OF THE GUARD UNIT HANDSET

CODE	MODEL	DESCRIPTION
9730021	ASC-050	Relay 1 circuit
9730023	ASC-001	Relay 2 circuits



/ Flush-mounted boxes

CODE	MODEL	STOREYS
9740005	CMO-002	1 / 2 storeys
9740006	CMO-004	3 / 4 storeys
9740007	CMO-006	5 / 6 storeys
9740008	CMO-008	7 / 8 storeys
9740009	CMO-010	9 / 10 storeys
9740010	CMO-012	11 / 12 storeys
9740011	CMO-014	13 / 14 storeys
9740012	CMO-016	15 / 16 storeys
9740015	CMO-018	15 / 16 storeys and double upper module
9740004	CEM-001	Separators (2 units)

/ Surface boxes

CODE	MODEL	STOREYS
9740100	CSU-211	1 / 2 storeys
9740101	CSU-212	3 / 4 storeys
9740102	CSU-213	5 / 6 storeys
9740103	CSU-214	7 / 8 storeys
9740104	CSU-215	9 / 10 storeys
9740105	CSU-216	11 / 12 storeys
9740106	CSU-217	13 / 14 storeys
9740107	CSU-218	15 / 16 storeys
9740108	CSU-219	17 / 18 storeys
9740172	CSU-000	Separator



/ Frames and trims

CODE	MODEL	DESCRIPTION
9740047	MAR-900	Single entrance panel frame *
9740016	MAR-901	Double entrance panel frame *
9740017	MAR-902	Triple entrance panel frame *
9740001	TOP-100	Personalized trim

* Made to measure in anodized aluminum.
For order examples, see page 85



/ Angular surface boxes

CODE	MODEL	STOREYS
9740163	CSU-311	1 / 2 storeys
9740164	CSU-312	3 / 4 storeys
9740165	CSU-313	5 / 6 storeys
9740166	CSU-314	7 / 8 storeys
9740167	CSU-315	9 / 10 storeys
9740168	CSU-316	11 / 12 storeys
9740169	CSU-317	13 / 14 storeys
9740170	CSU-318	15 / 16 storeys
9740171	CSU-319	17 / 18 storeys

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730006	APC-001	Common door: activates the same door opener from several entrance panels
9730021	ASC-050	Selector switch accessory activated by means of electronic call, buzzer call or external signal
9730057	ASC-051	Selector switch accessory with timer activated by means of external control signal
9730023	ASC-001	Selector switch accessory activated by means of external control signal
9730103	PPA-002	Illuminated vandal-proof timed push-button
9730030	COL-000	Concentrator for 16 calls
9730068	AIB-010	Housing estate identifying accessory

/ Hoods

FOR FLUSH-MOUNTED BOXES

SINGLE HOODS

CODE	MODEL	STOREYS
9740251	VIS-312	1 or 2
9740252	VIS-313	3 or 4
9740253	VIS-314	5 or 6
9740254	VIS-315	7 or 8
9740255	VIS-316	9 or 10
9740256	VIS-317	11 or 12
9740257	VIS-318	13 or 14
9740258	VIS-319	15 or 16
9740259	VIS-310	17 or 18

DOUBLE HOODS

CODE	MODEL	STOREYS
9740260	VIS-322	1 or 2
9740261	VIS-323	3 or 4
9740262	VIS-324	5 or 6
9740263	VIS-325	7 or 8
9740264	VIS-326	9 or 10
9740265	VIS-327	11 or 12
9740266	VIS-328	13 or 14
9740267	VIS-329	15 or 16
9740268	VIS-320	17 or 18

TRIPLE HOODS

CODE	MODEL	STOREYS
9740269	VIS-332	1 or 2
9740270	VIS-333	3 or 4
9740271	VIS-334	5 or 6
9740272	VIS-335	7 or 8
9740273	VIS-336	9 or 10
9740274	VIS-337	11 or 12
9740275	VIS-338	13 or 14
9740276	VIS-339	15 or 16
9740277	VIS-330	17 or 18

/ Hoods

FOR SURFACE BOXES

SINGLE HOODS

CODE	MODEL	STOREYS
9740136	VIS-211	1 or 2
9740137	VIS-212	3 or 4
9740138	VIS-213	5 or 6
9740139	VIS-214	7 or 8
9740140	VIS-215	9 or 10
9740141	VIS-216	11 or 12
9740142	VIS-217	13 or 14
9740143	VIS-218	15 or 16
9740144	VIS-219	17 or 18

DOUBLE HOODS

CODE	MODEL	STOREYS
9740145	VIS-221	1 or 2
9740146	VIS-222	3 or 4
9740147	VIS-223	5 or 6
9740148	VIS-224	7 or 8
9740149	VIS-225	9 or 10
9740150	VIS-226	11 or 12
9740151	VIS-227	13 or 14
9740152	VIS-228	15 or 16
9740153	VIS-229	17 or 18

TRIPLE HOODS

CODE	MODEL	STOREYS
9740154	VIS-231	1 or 2
9740155	VIS-232	3 or 4
9740156	VIS-233	5 or 6
9740157	VIS-234	7 or 8
9740158	VIS-235	9 or 10
9740159	VIS-236	11 or 12
9740160	VIS-237	13 or 14
9740161	VIS-238	15 or 16
9740162	VIS-239	17 or 18

New

Items of installation

ELECTRIC LOCKS

/ Flush electric locks

WITH ADJUSTABLE LATCH

UNIVERSAL

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

COMPACT SIZE

CODE	MODEL	DESCRIPTION
9730025	ABR-011	Simple 15V DC
9730007	ABR-013	Automatic 15V DC
9730008	ABR-014	Automatic and manual release 15V DC
9730085	ABR-019	Fail safe 15V DC

STANDARD SIZE

CODE	MODEL	DESCRIPTION
9730062	ABR-015	Simple 15V DC
9730064	ABR-017	Automatic 15V DC
9730065	ABR-018	Automatic and manual release 15V DC

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

CODE	MODEL	DESCRIPTION
9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V

/ Accessories

CODE	MODEL	DESCRIPTION
9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620011	ALM-040	25 VA power supply unit, video door entry system
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button

POWER SUPPLY UNITS & SPLITTERS

/ Power supply units

TAP-OFFS AND SPLITTERS

CODE	MODEL	DESCRIPTION
9620014	ALC-070	15VDC 3A power supply
9620011	ALM-040	25 VA, 12VAC & 15VDC power supply
9620001	ALA-040	25 VA, 12VAC power supply
9730055	AIB-001	Accessory for installations with keypad in buildings with more than 150 houses
9650028	GCI-002	Control unit for AIB-001 in video intercom installations or with guard unit

/ Cables

RECOMMENDED CABLE (SLEEVED)

CODE	MODEL	DESCRIPTION
9750005	CAB-007	2x1 mm ² (by 100m coils)



9730087
ABR-021



9730025
ABR-011



9730076
VEN-003



9730077
VEN-005



9620011
ALM-040



9730055
AIB-001



9750005
CAB-007

Standard quotes and diagrams

STANDARD QUOTE. 1 ACCESS POINT

No of flats	Model																
	TED-001	MAN-470	MLN-000	MPS-003	MPS-004	MPS-005	MPS-006	MPD-003	MPD-004	MPD-005	MPD-006	MPD-007	COL-000	CEM-001	CMO-004	CMO-006	ABR-011
1x3	3 1	1										1 1	1	1	1	1	
2x3	6 1						1		1	1	1		1	1	1	1	
2x4	8 1							1		1	1						
2x5	10 1								1	1	1					1	1
2x6*	12 1									1	1	1					1
3x4	12 1	1							1		1	1	1	1	2	1	
3x5	15 1	1	1	1					1		1	1	1	1	2	1	
3x6	18 1	1	1				1		1	1	2	1	2	2	2	1	
4x4	16 1	1	1					1	2		1	1	1				1
4x5	20 1	1	1						2		1	2	1			2	1
4x6	24 1	1								2	1	2	1			2	1
6x5	30 1	2								3	1	2	2			3	1
6x6	36 1	2								3	1	3	2			3	1

* Installation for 2 flats per storey and 6 storeys.

STANDARD QUOTE. 2 ACCESS POINTS

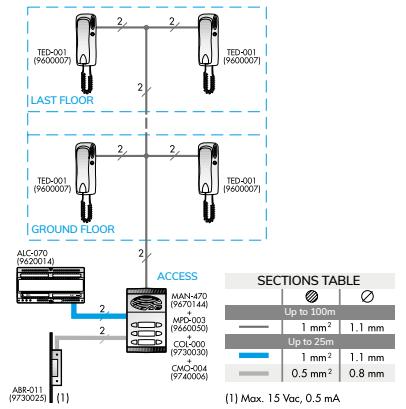
No of flats	Model																
	TED-001	MAN-470	MLN-000	MPS-003	MPS-004	MPS-005	MPS-006	MPD-003	MPD-004	MPD-005	MPD-006	MPD-007	COL-000	CEM-001	CMO-004	CMO-006	ABR-011
1x3	3 2	2							1	2	2		2	2	2	2	
2x3	6 2						2		1	2	2		2	2	2	2	
2x4	8 2							2	1	2	2					2	
2x5	10 2							2	1	2	2				2	2	
2x6*	12 2								2	1	2				2	2	
3x4	12 2	2							2		1	2	1	4	2		
3x5	15 2	2	2	2					2	1	2	1			4	2	
3x6	18 2	2	2				2		2	1	4	1	4	4	2		
4x4	16 2	2	2					2	2		1	2	1			2	
4x5	20 2	2							4	1	4	1			4	2	
4x6	24 2	2							4	1	4	1			4	2	
6x5	30 2	4							6	1	4	2			6	2	
6x6	36 2	4							6	1	6	2			6	2	

* Installation for 2 flats per storey and 6 storeys.

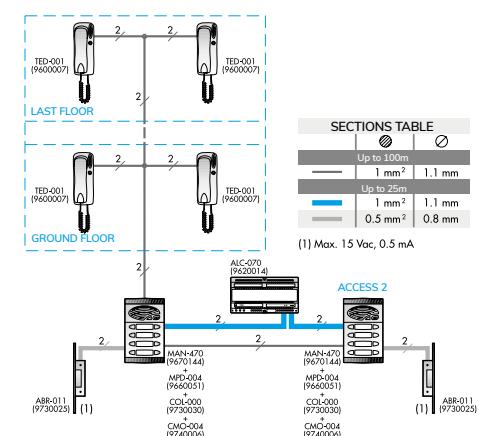
STANDARD QUOTE. 1 ACCESS POINT WITH KEYPAD

No of flats	Model									
	PAK-41000	PTN-00000	ALM-040	ALC-070	CEM-001	CMO-008	ABR-011			
4x10	40 1	1	1	1	1	1	2	1		
6x10	60 1	1	1	1	1	1	2	1		
6x15	90 1	1	1	1	1	1	2	1		
8x15	120 1	2	1	1	1	2	3	1		
10x15	150 1	2	1	1	2	3	1			

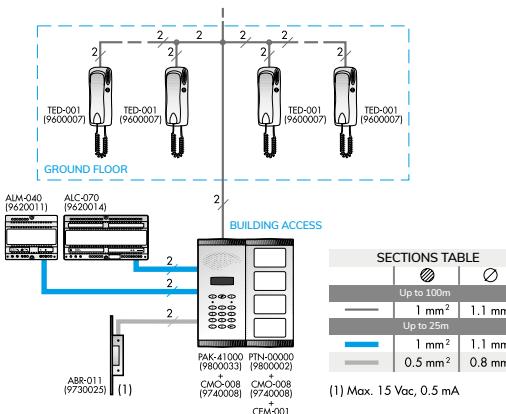
STANDARD DIAGRAM AND SECTIONS



STANDARD DIAGRAM AND SECTIONS



STANDARD DIAGRAM AND SECTIONS





4+N

Indoor units



/ Handsets

WITH ELECTRONIC CALL

CODE	MODEL	DESCRIPCIÓN
9600001	TEL-001	1 push-button
9600009	TEL-002	2 push-buttons
9600018	TEL-101	1 push-button (personalized)
9600003	TES-001	1 push-button (communication secret)

/ Desktop supports

DESKTOP

CODE	MODEL	DESCRIPCIÓN	EUROS
9730029	SST-001	For handset	84,45

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730019	AAL-200	Electronic call extension
9730020	AAL-210	Call extension with buzzer
9730021	ASC-050	Selector switch accessory activated by means of electronic call, buzzer call or external signal
9730061	AAL-130	Accessory for receiving calls from the landing on the handset

/ Universal handsets

WITH ELECTRONIC CALL AND BUZZER

CODE	MODEL	DESCRIPCIÓN
9600040	TUN-201	1 push-button (extended compatibility)
9600002	TUN-001	1 push-button
9600011	TUN-002	2 push-buttons
9600013	TUN-101	1 push-button (personalized)

/ Decorative frames

FOR HANDSET

CODE	MODEL	DESCRIPCIÓN
9730092	MAE-101	Dimensions: 125x275mm
9730093	MAE-102	Dimensions: 250x275mm
9730091	MAE-902	Made to measure *

* Made to measure in anodized aluminum.
Order example: MAE-902 (210x260), decorative frame for monitor, with 210mm outside width and 260mm height

Entrance panels

Línea 201

9670115
MAN-4109670018
MTN-0009670021
MLN-0009690034
LPR-2009660002
MPS-0059660054
MPD-0079660016
MKD-900

/ Upper modules

WITH AUDIO UNIT, CARDHOLDER OR iACCESS

SINGLE MODULE

CODE	MODEL	DESCRIPTION
9670115	MAN-410	Audio unit
9670119	MAN-451	Universal audio unit
9670116	MAN-430	Multiple access points audio unit
9670118	MAN-441	Multiple access points audio unit with privacy of communication
9690034	LPR-200	iACCESS cardholder
9670018	MTN-000	Cardholder
9670021	MLN-000	Blank entrance panel

DOUBLE MODULE (WITH CARDHOLDER)

CODE	MODEL	DESCRIPTION
9670126	MMN-410	Audio unit
9670127	MMN-451	Universal audio unit
9670128	MMN-430	Multiple access points audio unit
9670137	MMN-441	Multiple access points audio unit with privacy of communication

/ Compact entrance panel

WITH KEYPAD
FOR ACCESS CONTROL

SIMPLE MODULE

CODE	MODEL	DESCRIPTION
9800006	PNK-00000	Keypad for access control

/ iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690034	LPR-200	iACCESS cardholder
9770083	RVE-032	iACCESS reader for cardholder
9690038	CCA-004	Advanced management central post

For further information regarding the iACCESS system,
see pages 76-79

SINGLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9660014	MPS-001	1
9660015	MPS-002	2
9660000	MPS-003	3
9660001	MPS-004	4
9660002	MPS-005	5
9660003	MPS-006	6
9660004	MPS-007	7
9660005	MPS-008	8
9660006	MPS-009	9
9660007	MPS-010	10
9660008	MPS-011	11
9660009	MPS-012	12
9660010	MPS-013	13
9660011	MPS-014	14
9660012	MPS-015	15
9660013	MPS-016	16

DOUBLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9660048	MPD-001	2 (1 double)
9660049	MPD-002	4 (2 doubles)
9660050	MPD-003	6 (3 doubles)
9660051	MPD-004	8 (4 doubles)
9660052	MPD-005	10 (5 doubles)
9660053	MPD-006	12 (6 doubles)
9660054	MPD-007	14 (7 doubles)
9660055	MPD-008	16 (8 doubles)
9660056	MPD-009	18 (9 doubles)
9660057	MPD-010	20 (10 doubles)
9660058	MPD-011	22 (11 doubles)
9660059	MPD-012	24 (12 doubles)
9660060	MPD-013	26 (13 doubles)
9660061	MPD-014	28 (14 doubles)
9660062	MPD-015	30 (15 doubles)
9660063	MPD-016	32 (16 doubles)

CONFIGURABLE PUSH-BUTTONS

CODE	MODEL	STOREYS
9660064	MPD-900	1 to 8 *
9660065	MPD-901	9 to 16 **
9660016	MKD-900	1 to 12 storeys with keypad for access control ***

* For order examples, see page 80

** For order examples, see page 81

*** For order examples, see page 82

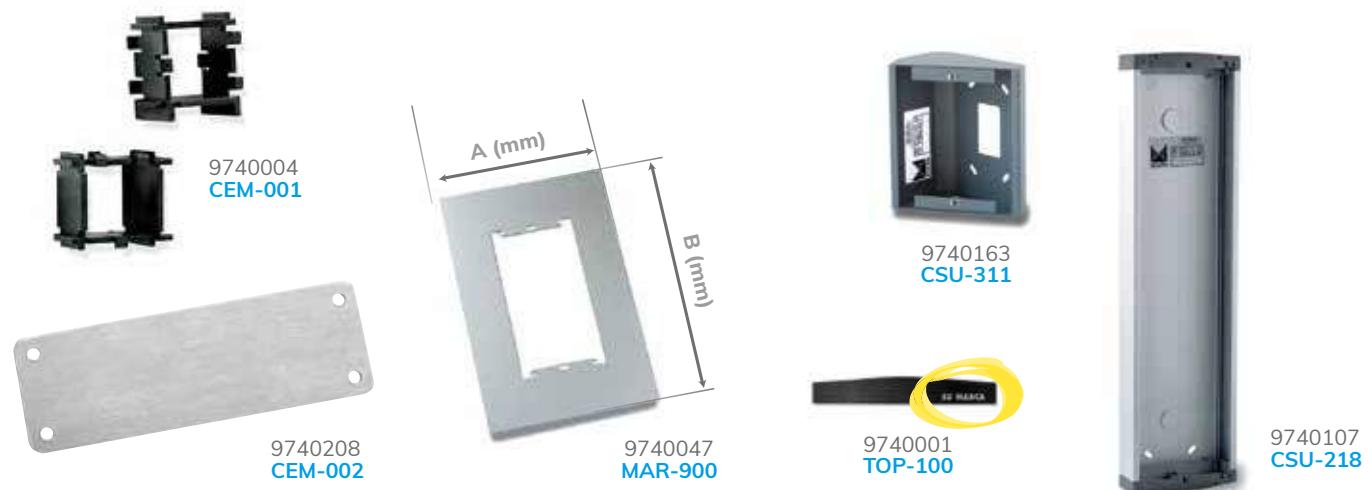


/ Flush-mounted boxes

CODE	MODEL	STOREYS
9740005	CMO-002	1 / 2 storeys
9740006	CMO-004	3 / 4 storeys
9740007	CMO-006	5 / 6 storeys
9740008	CMO-008	7 / 8 storeys
9740009	CMO-010	9 / 10 storeys
9740010	CMO-012	11 / 12 storeys
9740011	CMO-014	13 / 14 storeys
9740012	CMO-016	15 / 16 storeys
9740015	CMO-018	15 / 16 storeys and double upper module
9740004	CEM-001	Separators (2 units)

/ Surface boxes

CODE	MODEL	STOREYS
9740100	CSU-211	1 / 2 storeys
9740101	CSU-212	3 / 4 storeys
9740102	CSU-213	5 / 6 storeys
9740103	CSU-214	7 / 8 storeys
9740104	CSU-215	9 / 10 storeys
9740105	CSU-216	11 / 12 storeys
9740106	CSU-217	13 / 14 storeys
9740107	CSU-218	15 / 16 storeys
9740108	CSU-219	17 / 18 storeys
9740172	CSU-000	Separator



/ Frames and trims

CODE	MODEL	DESCRIPTION
9740047	MAR-900	Single entrance panel frame *
9740016	MAR-901	Double entrance panel frame *
9740017	MAR-902	Triple entrance panel frame *
9740001	TOP-100	Personalized trim

* Made to measure in anodized aluminum.
For order examples, see page 85

/ Angular surface boxes

CODE	MODEL	STOREYS
9740163	CSU-311	1 / 2 storeys
9740164	CSU-312	3 / 4 storeys
9740165	CSU-313	5 / 6 storeys
9740166	CSU-314	7 / 8 storeys
9740167	CSU-315	9 / 10 storeys
9740168	CSU-316	11 / 12 storeys
9740169	CSU-317	13 / 14 storeys
9740170	CSU-318	15 / 16 storeys
9740171	CSU-319	17 / 18 storeys

/ Electronic accessories

CODE	MODEL	DESCRIPTION
9730006	APC-001	Common door: activates the same door opener from several entrance panels
9730005	AAL-001	Accessory that allows to use entrance panel modules with 4+N audio unit and electronic call in installations with buzzer call handsets
9730021	ASC-050	Selector switch accessory activated by means of electronic call, buzzer call or external signal
9730057	ASC-051	Selector switch accessory with timer activated by means of external control signal
9730023	ASC-001	Selector switch accessory activated by means of external control signal
9730103	PPA-002	Illuminated vandal-proof timed push-button

/ Hoods

FOR FLUSH-MOUNTED BOXES

SINGLE HOODS

CODE	MODEL	STOREYS
9740251	VIS-312	1 or 2
9740252	VIS-313	3 or 4
9740253	VIS-314	5 or 6
9740254	VIS-315	7 or 8
9740255	VIS-316	9 or 10
9740256	VIS-317	11 or 12
9740257	VIS-318	13 or 14
9740258	VIS-319	15 or 16
9740259	VIS-310	17 or 18

DOUBLE HOODS

CODE	MODEL	STOREYS
9740260	VIS-322	1 or 2
9740261	VIS-323	3 or 4
9740262	VIS-324	5 or 6
9740263	VIS-325	7 or 8
9740264	VIS-326	9 or 10
9740265	VIS-327	11 or 12
9740266	VIS-328	13 or 14
9740267	VIS-329	15 or 16
9740268	VIS-320	17 or 18

TRIPLE HOODS

CODE	MODEL	STOREYS
9740269	VIS-332	1 or 2
9740270	VIS-333	3 or 4
9740271	VIS-334	5 or 6
9740272	VIS-335	7 or 8
9740273	VIS-336	9 or 10
9740274	VIS-337	11 or 12
9740275	VIS-338	13 or 14
9740276	VIS-339	15 or 16
9740277	VIS-330	17 or 18

New

SINGLE HOODS + PROTECTOR

CODE	MODEL	STOREYS
9740278	VIP-312	1 or 2
9740279	VIP-313	3 or 4
9740280	VIP-314	5 or 6
9740281	VIP-315	7 or 8
9740282	VIP-316	9 or 10
9740283	VIP-317	11 or 12
9740284	VIP-318	13 or 14
9740285	VIP-319	15 or 16
9740286	VIP-310	17 or 18

DOUBLE HOODS + PROTECTOR

CODE	MODEL	STOREYS
9740287	VIP-322	1 or 2
9740288	VIP-323	3 or 4
9740289	VIP-324	5 or 6
9740290	VIP-325	7 or 8
9740291	VIP-326	9 or 10
9740292	VIP-327	11 or 12
9740293	VIP-328	13 or 14
9740294	VIP-329	15 or 16
9740295	VIP-320	17 or 18

TRIPLE HOODS + PROTECTOR

CODE	MODEL	STOREYS
9740296	VIP-332	1 or 2
9740297	VIP-333	3 or 4
9740298	VIP-334	5 or 6
9740299	VIP-335	7 or 8
9740300	VIP-336	9 or 10
9740301	VIP-337	11 or 12
9740302	VIP-338	13 or 14
9740303	VIP-339	15 or 16
9740304	VIP-330	17 or 18

/ Hoods

FOR SURFACE BOXES

SINGLE HOODS

CODE	MODEL	STOREYS
9740136	VIS-211	1 or 2
9740137	VIS-212	3 or 4
9740138	VIS-213	5 or 6
9740139	VIS-214	7 or 8
9740140	VIS-215	9 or 10
9740141	VIS-216	11 or 12
9740142	VIS-217	13 or 14
9740143	VIS-218	15 or 16
9740144	VIS-219	17 or 18

DOUBLE HOODS

CODE	MODEL	STOREYS
9740145	VIS-221	1 or 2
9740146	VIS-222	3 or 4
9740147	VIS-223	5 or 6
9740148	VIS-224	7 or 8
9740149	VIS-225	9 or 10
9740150	VIS-226	11 or 12
9740151	VIS-227	13 or 14
9740152	VIS-228	15 or 16
9740153	VIS-229	17 or 18

TRIPLE HOODS

CODE	MODEL	STOREYS
9740154	VIS-231	1 or 2
9740155	VIS-232	3 or 4
9740156	VIS-233	5 or 6
9740157	VIS-234	7 or 8
9740158	VIS-235	9 or 10
9740159	VIS-236	11 or 12
9740160	VIS-237	13 or 14
9740161	VIS-238	15 or 16
9740162	VIS-239	17 or 18

Items of installation

I ELECTRIC LOCKS

/ Flush electric locks WITH ADJUSTABLE LATCH

UNIVERSAL

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

STANDARD SIZE 12V AC

CODE	MODEL	DESCRIPTION
9730000	ABR-001	Simple
9730001	ABR-002	Simple and release
9730002	ABR-003	Automatic
9730003	ABR-004	Automatic and release

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

CODE MODEL DESCRIPTION

9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V

/ Accessories

CODE MODEL DESCRIPTION

9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620011	ALM-040	25 VA power supply unit, video door entry system
9730021	ASC-050	Relay for maneuvers with special openers and other functions
9730103	PPA-002	Illuminated vandal-proof timed push-button

I POWER SUPPLY UNITS & DISTRIBUTION

/ Power supply units

CODE	MODEL	DESCRIPTION
9620001	ALA-040	25 VA, 12VAC power supply unit
9620002	ALA-020	16 VA, 12VAC power supply unit
9620011	ALM-040	25 VA, 12VAC y 15VDC power supply unit
9650001	GCI-001	Intercom control equipment



9730087
ABR-021



9730004
CNP-001



9730076
VEN-003



9730033
ESC-010



9730077
VEN-005



9620011
ALM-040



9730021
ASC-050



9620001
ALA-040



9650001
GCI-001

Standard quotes and diagrams

STANDARD QUOTE. ELECTRONIC DOOR ENTRY SYSTEM WITH ELECTRONIC CALL. 1 ACCESS POINT

No. OF FLATS	MODEL							
	TEL-001	MAN-410	MLN-000	MPS-003	MPS-004	MPS-005	MPS-006	MPD-003
1x3	3 1	1						
2x3	6 1			1			1	1
2x4	8 1				1		1	1
2x5	10 1					1	1	1
2x6*	12 1						1	1
3x4	12 1 1	1			1		1 1 2	1
3x5	15 1 1		1			1	1 1	2 1
3x6	18 1 1			1			1 1 1	2 1
4x4	16 1 1				2		1 1 2	1
4x5	20 1 1					2	1 1	2 1
4x6	24 1 1						2 1 1	2 1
6x5	30 1 2				3	1 2	3 1	
6x6	36 1 2					3 1 2	3 1	

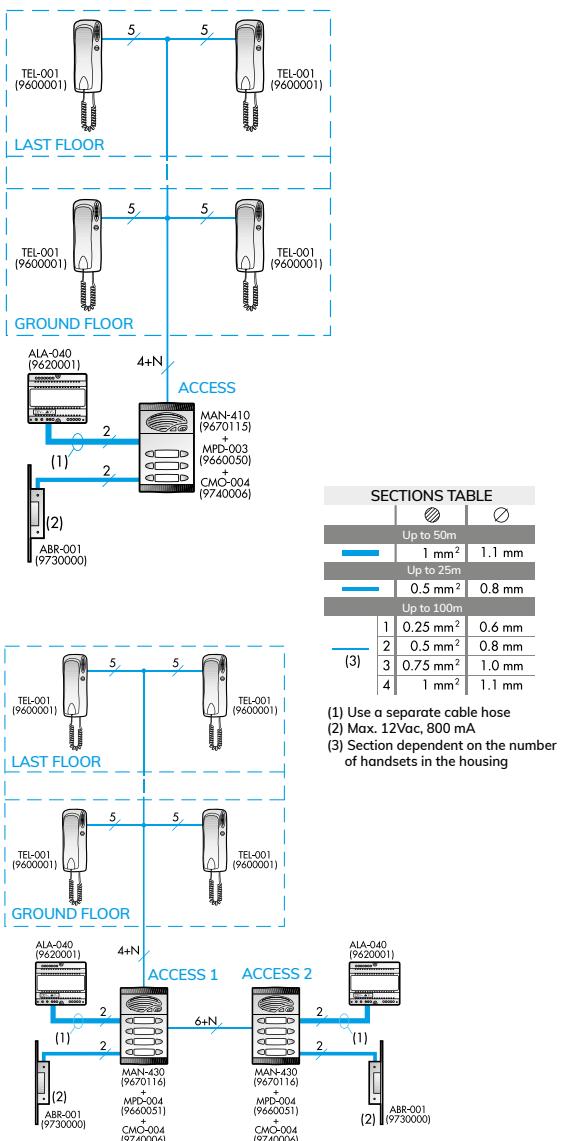
* Installation for 2 flats per storey and 6 storeys.

STANDARD QUOTE. ELECTRONIC DOOR ENTRY SYSTEM WITH ELECTRONIC CALL. 2 ACCESS POINTS

No. OF FLATS	MODEL							
	TEL-001	MAN-430	MLN-000	MPS-003	MPS-004	MPS-005	MPS-006	MPD-003
1x3	3 2	2						
2x3	6 2			2			2	2
2x4	8 2				2		2	2
2x5	10 2					2	2	2
2x6*	12 2						2	2
3x4	12 2 2	2			2		2 2 4	2
3x5	15 2 2		2			2	2 2	4 2
3x6	18 2 2			2			2 2 2	4 2
4x4	16 2 2				4		2 2 4	2
4x5	20 2 2					4	2 2	4 2
4x6	24 2 2						4 2 2	4 2
6x5	30 2 4				6	2 4	6 2	
6x6	36 2 4					6 2 4	6 2	

* Installation for 2 flats per storey and 6 storeys.

STANDARD DIAGRAMS AND SECTIONS



iACCESS

Access control through proximity readers

iACCESS is an access control system through proximity readers integrated in our entrance panels, which allows access to the facilities by using electronic keys, avoiding the use of traditional keys or memorizing access codes.

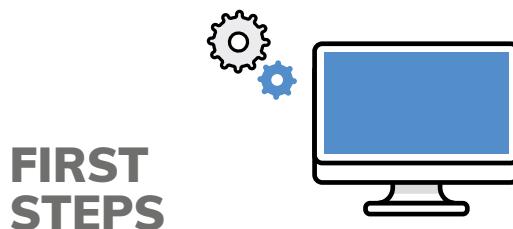
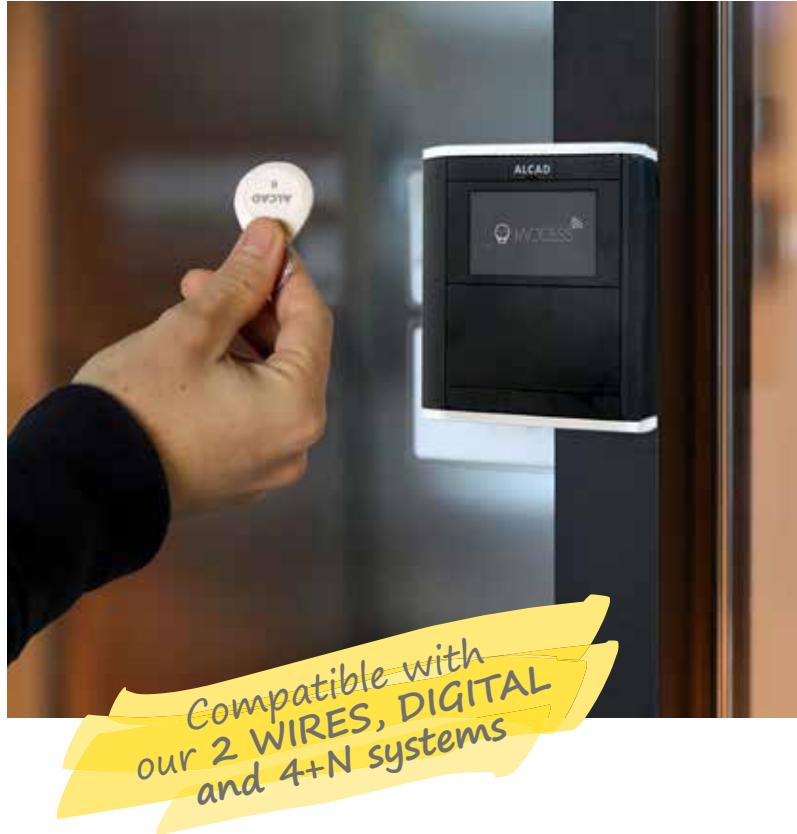
The card allows the residents entrance control to the different points of a building or an housing development by giving total or partial permits.

The system allows the creation of activated keys only temporarily, for example for the summer months (pool cleaners, lifeguards), or only for specific times (gardeners can only access with their electronic key in the morning).

The system allows the configuration of those options, the creation of new keys for new users, the cancellation of lost keys, and many more configuration options in a **simple and fast** way.

The control of all these possibilities, is possible thanks to our accessible iACCESS WEB application at <https://alcad-iaccess.com/>

The system provides **comfort** for the residents, as well as advantages in **security and control** of the people who access to the facilities of the building from property managers, thanks to a better access management of the service providers (workers, counting of accountants, postman, etc.) to the different common parts of the buildings (main door, technical premises, roof, terraces, etc.).



FIRST STEPS

Generating your new keys and RFID cards is as easy as following the steps below:

- 1** Go to <https://alcad-iaccess.com/> and sign up for the service
- 2** Download and install the new drivers via the iACCESS Manager link
- 3** Download the manual by clicking on the "?" icon and create your first installation
- 4** Record keys and RFID cards by connecting the PLO-000 programmer to the computer
- 5** Don't forget your username and password - you will need them for future transactions

/ RFID readers

CODE	MODEL	DESCRIPTION
9690035	LPR-010	Aloi
9690033	LPR-900	iBLACK
9770083	RVE-032	iACCESS reader for cardholder
9690038	CCA-004	Advanced management central post



9690035
LPR-010



9690033
LPR-900

/ RFID keys for residents

KEYCHAIN FORMAT

CODE	MODEL	DESCRIPTION
9690018	LAC-020	Set of 5 keys for a single housing (numbers 0, 1, 2, 3 y 4)
9690001	LAC-000	10 keys no. 0
9690002	LAC-001	10 keys no. 1
9690003	LAC-002	10 keys no. 2
9690004	LAC-003	10 keys no. 3
9690005	LAC-004	10 keys no. 4
9690006	LAC-005	10 keys no. 5
9690012	LAC-006	10 keys no. 6
9690013	LAC-007	10 keys no. 7
9690014	LAC-008	10 keys no. 8
9690015	LAC-009	10 keys no. 9



9690038
CCA-004



9690040
LAC-200

CARD FORMAT

CODE	MODEL	DESCRIPTION
9690040	LAC-200	10 cards



9690001
LAC-000



9690017
LAC-011

9690016
LAC-010

/ Special RFID keys

KEYCHAIN FORMAT

CODE	MODEL	DESCRIPTION
9690016	LAC-010	CCA-004 central post configuration electronic proximity key
9690017	LAC-011	Electronic proximity key for access to multiple installations



9800006
PNK-00000



9800114
PNK-50000

/ Keypads for access control

CODE	MODEL	DESCRIPTION
9800006	PNK-00000	Línea 201 keypad
9800114	PNK-50000	iBLACK keypad



9690010
PLO-000

/ Key programmer

KEYCHAIN FORMAT

CODE	MODEL	DESCRIPTION
9690010	PLO-000	USB programmer for proximity keys

VIDEO DOOR
ENTRY KITS

AUDIO DOOR
ENTRY KITS

IPAL

2 WIRES

DIGITAL

iACCESS

EXAMPLES OF ORDERS

DIMENSIONS &
ACCESORIES

LISTS OF
PRODUCTS

LEGAL
NOTICE



9730087
ABR-021



9730025
ABR-011



9730076
VEN-003



9730077
VEN-005



9730004
CNP-001



9730033
ESC-010



9620001
ALA-040



9620016
ALC-030



9620011
ALM-040



9730021
ASC-050



9730103
PPA-002

/ Flush electric locks

WITH ADJUSTABLE LATCH

UNIVERSAL

CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC. Compact

COMPACT SIZE

CODE	MODEL	DESCRIPTION
9730025	ABR-011	Simple 15V DC
9730007	ABR-013	Automatic 15V DC
9730008	ABR-014	Automatic and manual release 15V DC
9730085	ABR-019	Fail safe 15V DC

STANDARD SIZE

CODE	MODEL	DESCRIPTION
9730062	ABR-015	Simple 15V DC
9730064	ABR-017	Automatic 15V DC
9730065	ABR-018	Automatic and manual release 15V DC

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

TAMAÑO COMPACTO

CODE	MODEL	DESCRIPTION
9730076	VEN-003	300Kg 12/24 V
9730077	VEN-005	500Kg 12/24 V

/ Power supply units and accessories

CODE MODEL DESCRIPTION

9730004	CNP-001	Door contact
9730033	ESC-010	Large shield for electric locks
9620001	ALA-040	25 VA power supply unit, electronic door entry system
9620016	ALC-030	25 VA power supply unit, video door entry system
9620011	ALM-040	Relay for maneuvers with special openers and other functions
9730021	ASC-050	Illuminated vandal-proof timed push-button
9730103	PPA-002	Illuminated vandal-proof timed push-button

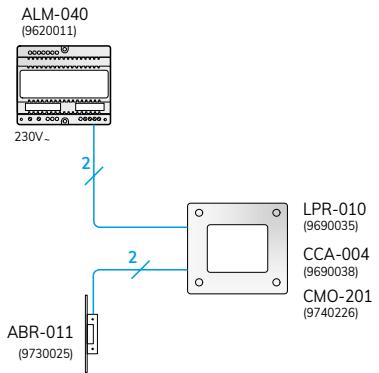
Standard quotes and diagrams

STANDARD QUOTE. Aloi

5 keys per housing. Does not include the PLO-000 programmer, necessary to program the keys.

No of flats	LAC-020	LPR-010	CCA-004	CMO-201	LAC-010	ALM-040	ABR-011	MODEL
3	3 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
6	6 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
8	8 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
10	10 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
12	12 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
15	15 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
18	18 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
16	16 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
20	20 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
48	48 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	

STANDARD DIAGRAM. Aloi iACCESS for access control

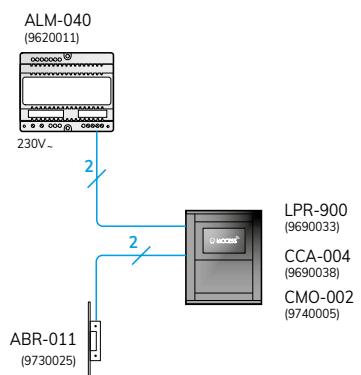


STANDARD QUOTE. iBLACK

5 keys per housing. Does not include the PLO-000 programmer, necessary to program the keys.

No of flats	LAC-020	LPR-900	CCA-004	CMO-002	ALM-040	ABR-011	MODEL
3	3 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
6	6 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
8	8 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
10	10 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
12	12 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
15	15 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
18	18 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
16	16 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
20	20 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
48	48 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	

STANDARD DIAGRAM. iBLACK iACCESS for access control



APPENDIX

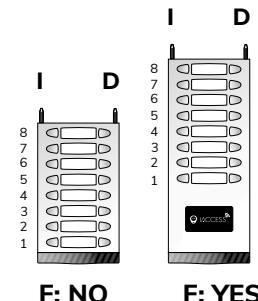
EXAMPLES OF SPECIAL PRODUCT ORDERS

Entrance panels Línea 201 MPD-900

CONFIGURABLE LOWER MODULE WITH PUSH-BUTTONS.
FROM 1 TO 8 STOREYS IN SINGLE AND DOUBLE ENTRANCE PANELS

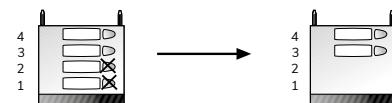


- A: code (9660064)
 - B: model (MPD-900)
 - C: S -single push-buttons D-double push-buttons
 - D: entrance panel height from 001 to 008
 - E: push-buttons to be removed (1,2,3I,4D...)
 - F: YES-with iACCESS reader; NO-without iACCESS reader
- Note:** If F is not indicated, it is understood that you the iACCESS reader is not requested.
The height of the iACCESS reader is equivalent to 4 button heights.



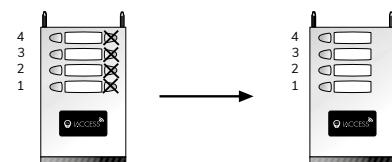
Ex1: 9660064 MPD-900(S-004,1,2, NO)

A	B	C	D	E	F
9660064	MPD-900	S	-004	1,2	NO



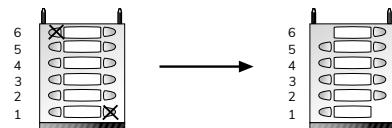
Ex2: 9660064 MPD-900(D-004,1D,2D,3D,4D,YES)

A	B	C	D	E	F
9660064	MPD-900	D	-004	1D,2D,3D,4D	YES



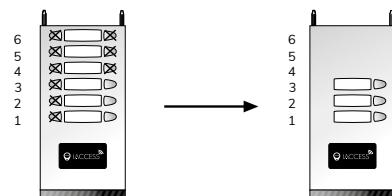
Ex3: 9660064 MPD-900(D-006,1D,6I)

A	B	C	D	E	F
9660064	MPD-900	D	-006	1D,6I	



Ex4: 9660064 MPD-900(D-006,1I,2I,3I,4,5,6,YES)

A	B	C	D	E	F
9660064	MPD-900	D	-006	1I,2I,3I,4,5,6	YES



Entrance panels Línea 201

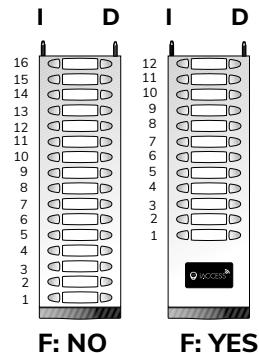
MPD-901

CONFIGURABLE LOWER MODULE WITH PUSH-BUTTONS.
FROM 9 TO 16 STOREYS IN SINGLE AND DOUBLE ENTRANCE PANELS



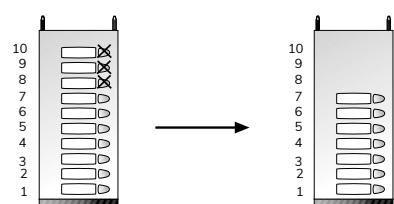
- A:** code (9660065)
- B:** model (MPD-901)
- C:** S -single push-buttons D-double push-buttons
- D:** entrance panel height from 001 to 008
(from 009 to 012 if F=YES)
- E:** push-buttons to remove (1,2,3I,4D...)
- F:** YES-with iACCESS reader; NO-without iACCESS reader

Note: If F is not indicated, it is understood that you the iACCESS reader is not requested.
The height of the iACCESS reader is equivalent to 4 button heights.



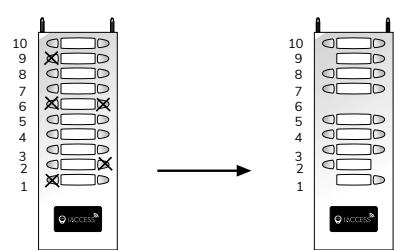
Ej1: 9660065 MPD-901(S-010,8,9,10)

A	B	C	D	E	F
9660065	MPD-901	S	-010	8,9,10	



Ej2: 9660065 MPD-901(D-010,1I,2D,6,9I,YES)

A	B	C	D	E	F
9660065	MPD-901	D	-010	1I,2D,6,9I	YES

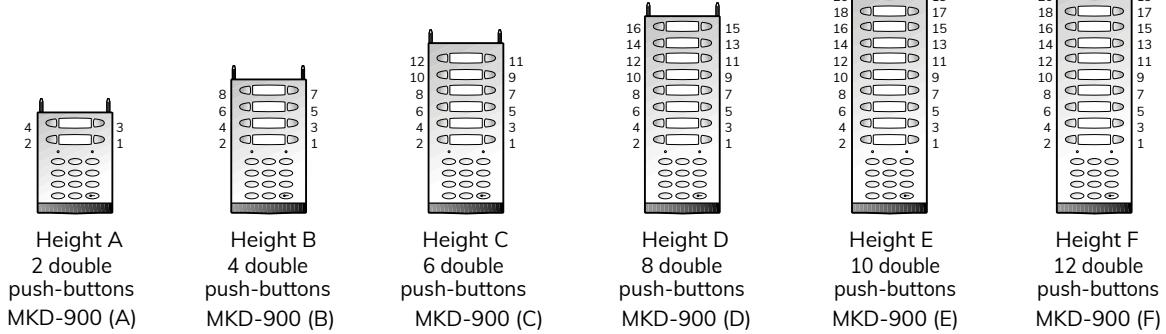


Entrance panels Línea 201

MKD-900

CONFIGURABLE LOWER MODULE WITH PUSHBUTTONS AND
KEYPAD FOR ACCESS CONTROL. 1 TO 12 STOREYS

D **4_N**

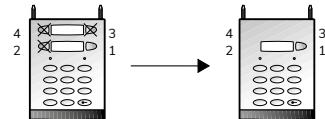


Note: The height of the iACCESS reader is equivalent to 4 button heights.

EXAMPLES OF ORDERS

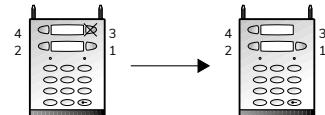
ex.1: 9660016 MKD-900 (A, 2, 3, 4)

A 9660016	B MKD-900	C (A)	D []
---------------------	---------------------	-----------------	-----------------



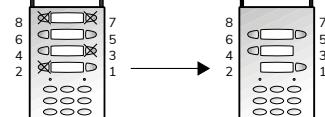
ex.2: 9660016 MKD-900 (A, 3)

A 9660016	B MKD-900	C (A)	D [3]
---------------------	---------------------	-----------------	-----------------



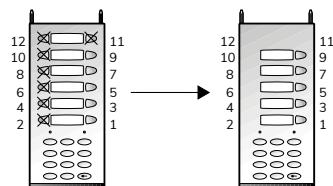
ex.3: 9660016 MKD-900 (B, 2, 3, 7, 8)

A 9660016	B MKD-900	C (B)	D [2, 3, 7, 8]
---------------------	---------------------	-----------------	--------------------------



ex.4: 9660016 MKD-900 (C, 2, 4, 6, 8, 10, 11, 12)

A 9660016	B MKD-900	C (C)	D [2, 4, 6, 8, 10, 11, 12]
---------------------	---------------------	-----------------	--------------------------------------



Key

- A:** code (9660016)
- B:** model (MKD-900)
- C:** height of the entrance panel (A, B, C, D, E or F)
- D:** push-buttons to remove (1, 3...)



35 YEARS OF HIGH QUALITY

Since 1988 we manufacture **Made in Europe**, with the AENOR certificate and under the **ISO9001** standard.

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10% OF
ANNUAL
TURNOVER
TO THE R&D
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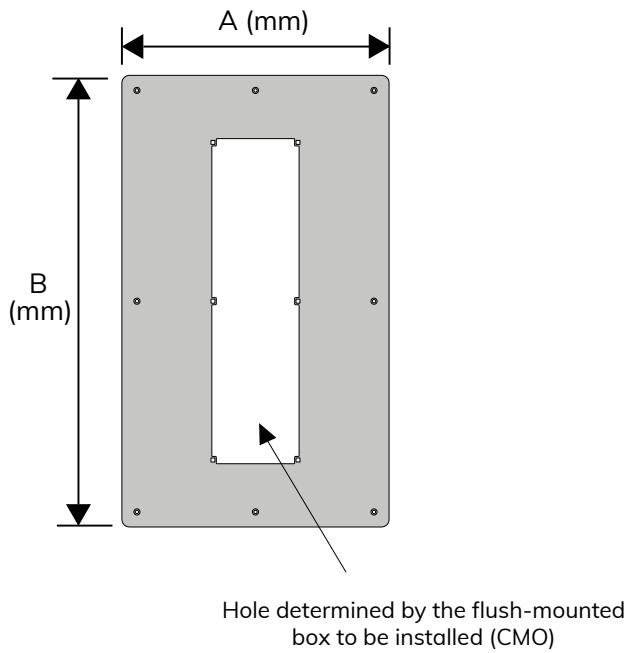
We have **assembly lines for SMD components** and automated adjustment of all product parameters



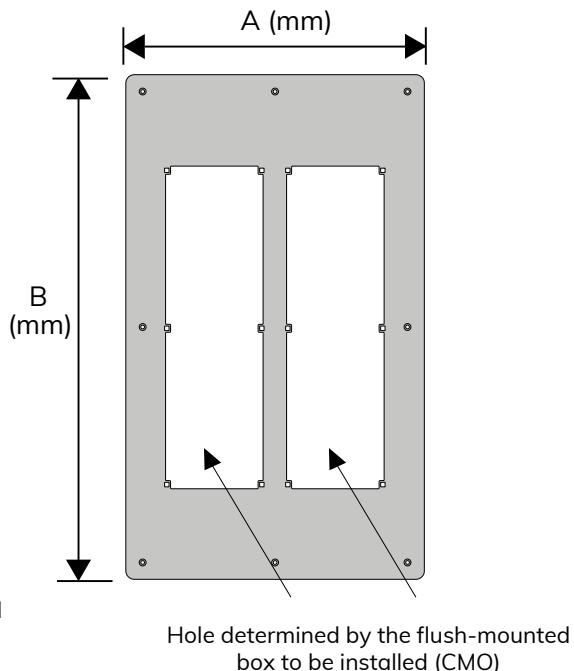
Frames Aloï

MAR-600 / MAR-601 / MAR-602

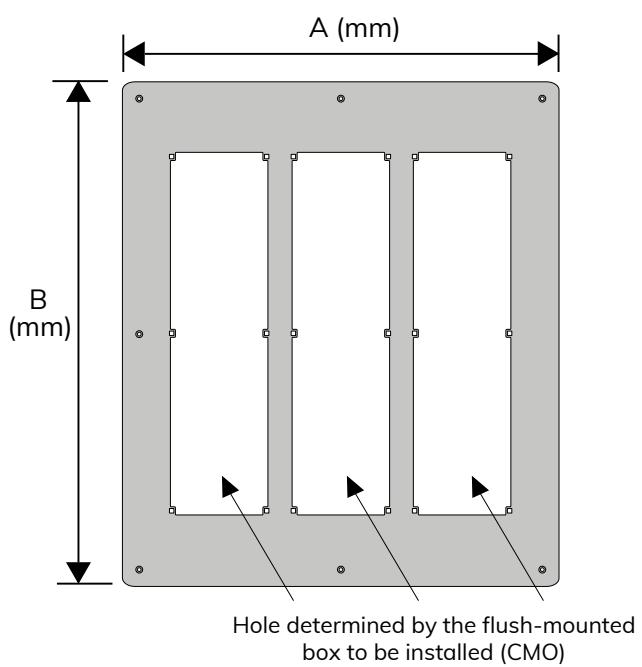
9740231- MAR-600 (CMO/A/B)



9740232- MAR-601 (CMO/A/B)



9740233- MAR-602 (CMO/A/B)



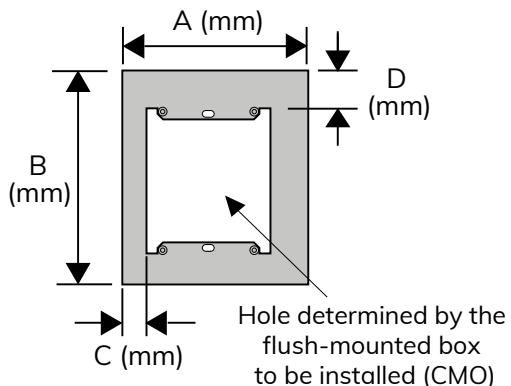
NOTES:

- The CMO parameter corresponds to the last three figures of the particular flush-mounted box to be used. For example, if the flush-mounted box is model CMO-610, then the parameter is 610.
- A & B parameters correspond to the outer dimensions of the frame.

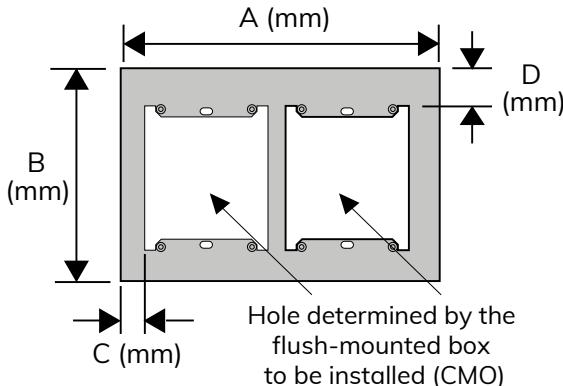
Frames Usoa + iBLACK + Línea 201

MAR-900 / MAR-901 / MAR-902

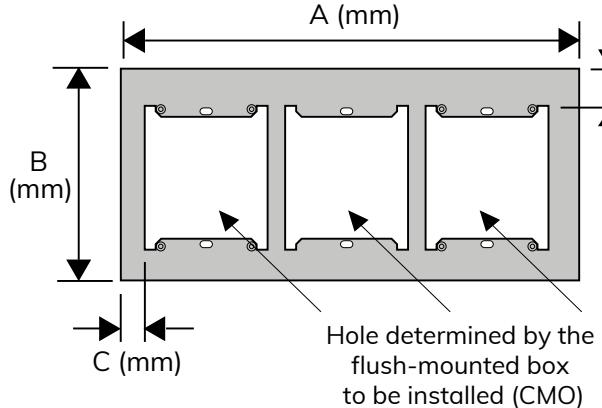
9740047- MAR-900 (CMO/A/B/C/D/E)



9740016- MAR-901 (CMO/A/B/C/D/E)

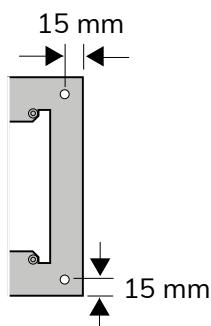
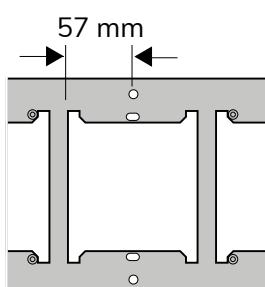
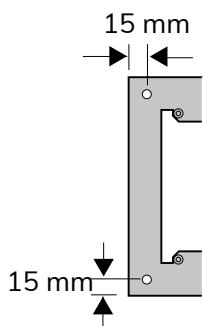


9740017- MAR-902 (CMO/A/B/C/D/E)



NOTES:

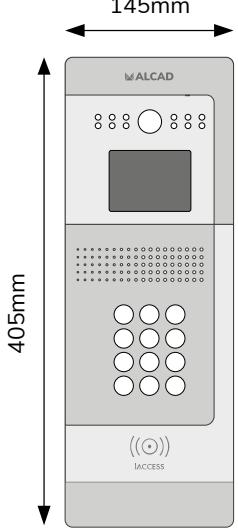
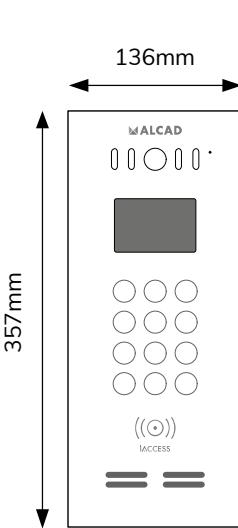
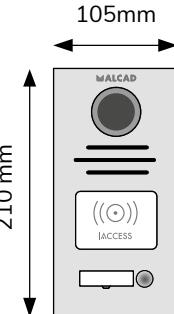
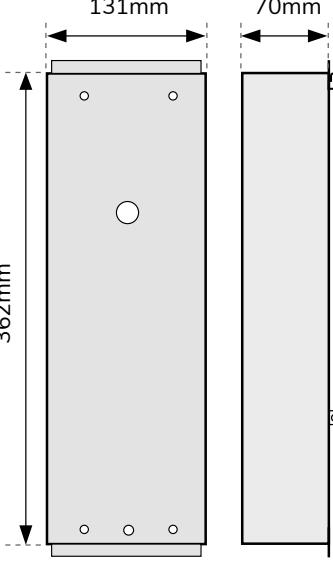
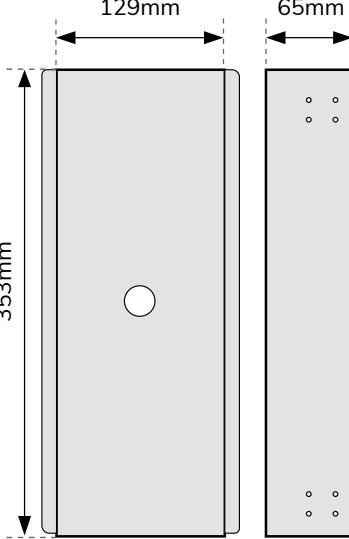
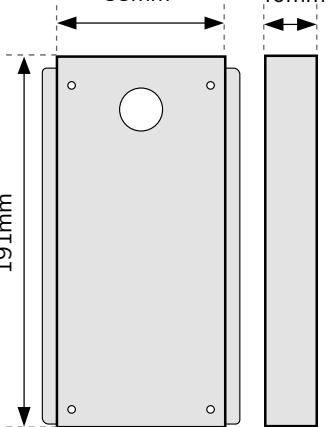
- The CMO parameter corresponds to the last three figures of the particular flush-mounted box to be used. For example, if the flush-mounted box is model CMO-610, then the parameter is 610.
- A & B parameters correspond to the outer dimensions of the frame.
- Parameters C and D indicate the offset of the recess in the frame. If they are not indicated, it is understood that the opening must be centred in the frame.
- Parameter E indicates whether you want the frame with or without holes for fixing to the wall. Enter an S if you want the frame to have holes, or an N if you want it without holes. If no value is indicated, it is understood that you want it without holes. The position of the holes is fixed and is indicated below:



Only for three entrance panels in parallel

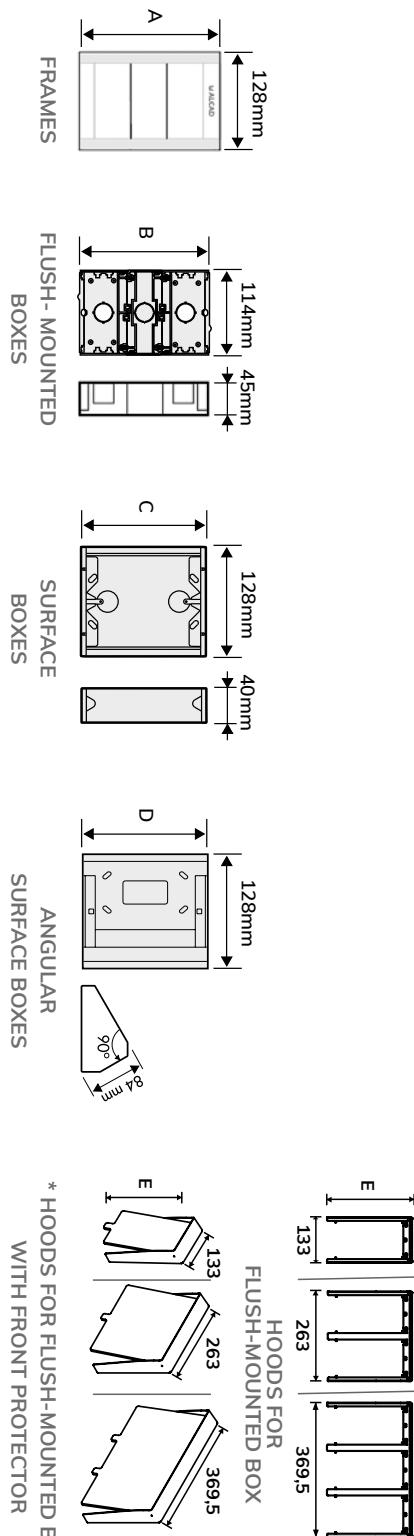
DIMENTIONS & ACCESSORIES

Entrance panels IPAL

ENTRANCE PANELS			
	PDK-20003 / 9800171	PDK-20002 / 9800158	
FLUSH-MOUNTED BOXES			
	CMO-703 / 9740229	CMO-702 / 9740228	PDP-20011 / 9800160

Entrance panels Usoa

NUMBER OF WINDOWS	FRAMES	A (mm)	FLUSH-MOUNTED BOXES (mm)	SURFACE BOXES (mm)	C (mm)	ANGULAR SURFACE BOXES	D (mm)	HOODS FOR FLUSH-MOUNTED BOX (SIMPLE)	HOODS FOR FLUSH-MOUNTED BOX (DOUBLE)	HOODS FOR FLUSH-MOUNTED BOX (TRIPLE)	E (mm)	
2	FRA-002	147	CMO-002	131	CSU-712	147	CSU-311	140	VIS-312 *VIP-312	VIS-322 *VIP-322	VIS-332 *VIP-332	151,1
3	FRA-003	195	CMO-004	179	CSU-713	195	CSU-312	188	VIS-313 *VIP-313	VIS-323 *VIP-323	VIS-333 *VIP-333	199,1
4	FRA-004	243	CMO-006	227	CSU-714	243	CSU-313	236	VIS-314 *VIP-314	VIS-324 *VIP-324	VIS-334 *VIP-334	247,1
5	FRA-005	291	CMO-008	275	CSU-715	291	CSU-314	284	VIS-315 *VIP-315	VIS-325 *VIP-325	VIS-335 *VIP-335	295,1
6	FRA-006	339	CMO-010	323	CSU-716	339	CSU-315	332	VIS-316 *VIP-316	VIS-326 *VIP-326	VIS-336 *VIP-336	343,1
7	FRA-007	387	CMO-012	371	CSU-717	387	CSU-316	380	VIS-317 *VIP-317	VIS-327 *VIP-327	VIS-337 *VIP-337	391,1
8	FRA-008	435	CMO-014	419	CSU-718	435	CSU-317	428	VIS-318 *VIP-318	VIS-328 *VIP-328	VIS-338 *VIP-338	439,1
9	FRA-009	483	CMO-016	467	CSU-719	483	CSU-318	476	VIS-319 *VIP-319	VIS-329 *VIP-329	VIS-339 *VIP-339	487,1
10	FRA-010	531	CMO-018	515	CSU-710	531	CSU-319	524	VIS-310 *VIP-310	VIS-320 *VIP-320	VIS-330 *VIP-330	535,1



* HOODS FOR FLUSH-MOUNTED BOX WITH FRONT PROTECTOR

LISTS OF PRODUCTS
DIMENSIONS & EXAMPLES OF ORDERS

NOTICE LEGAL

ACCESSORIES

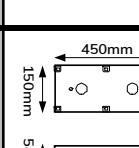
DIGITAL
2 WIRES
IPAL

VIDEO DOOR ENTRY KITS
AUDIO DOOR ENTRY KITS

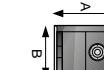
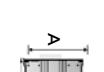
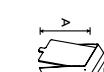
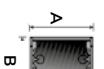
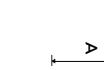
Entrance panels Aloï

ENTRANCE PANELS				FLUSH-MOUNTED BOXES	
MODULES	A	MODELS		A	MODELS
		ENTRANCE PANEL WITH RFID READER			
10/11 STOREYS	452 mm	9/10 STOREYS	404 mm	142mm	9690035 LPR-010
1/2 STOREYS	A	MODELS		125 mm	9740243 CMO-601
		ENTRANCE PANELS	EXTENSIONS		
5/6 STOREYS	212 mm	9800227 PTS-63201 9800228 PTS-63202 9800237 PTD-63201 9800238 PTD-63202	9800249 PTS-64201 9800250 PTS-64202 9800259 PTD-64201 9800260 PTD-64202	195 mm	9740244 CMO-602
3/4 STOREYS	260 mm	9800229 PTS-63203 9800230 PTS-63204 9800239 PTD-63203 9800240 PTD-63204	9800251 PTS-64203 9800252 PTS-64204 9800261 PTD-64203 9800262 PTD-64204	243 mm	9740245 CMO-604
7/8 STOREYS	308 mm	9800231 PTS-63205 9800232 PTS-63206 9800241 PTD-63205 9800242 PTD-63206	9800253 PTS-64205 9800254 PTS-64206 9800263 PTD-64205 9800264 PTD-64206	291 mm	9740246 CMO-606
404 mm	356 mm	9800233 PTS-63207 9800234 PTS-63208 9800243 PTD-63207 9800244 PTD-63208	9800255 PTS-64207 9800256 PTS-64208 9800265 PTD-64207 9800266 PTD-64208	339 mm	9740247 CMO-608
404 mm	404 mm	9800235 PTS-63209 9800236 PTS-63210 9800245 PTD-63209 9800246 PTD-63210	9800257 PTS-64209 9800258 PTS-64210 9800267 PTD-64209 9800268 PTD-64210	387 mm	9740248 CMO-610
452 mm	452 mm	9800247 PTD-63211 9800248 PTD-63212	9800269 PTD-64211 9800270 PTD-64212	435 mm	9740249 CMO-612

Entrance panels With keypad

WITH KEYPAD		ANTI-VANDAL ENTRANCE PANEL	
A	B	MODEL	FLUSH-MOUNTED BOXES
490 mm	190 mm	PDK-61211	
(included with the entrance panel)			

ENTRANCE PANEL WITH KEYPAD			ENTRANCE PANEL		
A	B	MODELS	A	B	MODELS
339 mm		PDK-54210 PDK-51210 PAK-54010 PAK-51010 PTN-50000			
128 mm					
323 mm					
114 mm		CMO-010			
343,1 mm					
133 mm		VIS-316 *V/P-316			
343,1 mm					
263 mm		VIS-326 *V/P-326			
343,1 mm					
369,1 mm		VIS-336 *V/P-336			
339 mm					
128 mm		CSU-515			
352 mm					
156 mm		VIS-215			
352 mm					
284 mm		VIS-225			
352 mm					
412 mm		VIS-235			
332 mm					
128 mm		CSU-315			

INDEPENDANT MODULE			MODULES		
			FLUSH-MOUNTED BOX		
A	B	MODELS	A	B	
147 mm		LPR-900			
128 mm		MVN-909			
131 mm					
114 mm		CMO-002			
151,1 mm					
133 mm					
151,1 mm		VIS-312 *V/P-312			
236 mm		VIS-322 *V/P-322			
151,1 mm		VIS-332 *V/P-332			
369,5 mm					
147 mm					
128 mm					
CSU-511					
160 mm					
156 mm		VIS-211			
160 mm		VIS-221			
284 mm					
160 mm		VIS-231			
412 mm					
140 mm					
128 mm		CSU-311			

Entrance panels

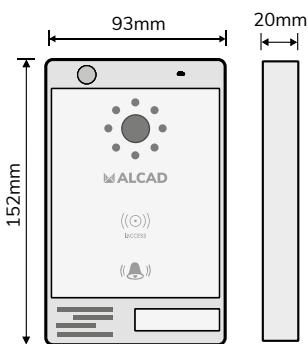
Líneq 201

9-10 STOREYS			7-8 STOREYS			5-6 STOREYS			3-4 STOREYS			1-2 STOREYS			ENTRANCE PANEL		
															LOWER MODULE		
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
TRIPLE 	DOUBLE 	SINGLE 	TRIPLE 	DOUBLE 	SINGLE 	TRIPLE 	DOUBLE 	SINGLE 	TRIPLE 	DOUBLE 	SINGLE 	TRIPLE 	DOUBLE 	SINGLE 	TRIPLE 	DOUBLE 	
435 mm	387 mm	339 mm	387 mm	339 mm	291 mm	339 mm	291 mm	243 mm	291 mm	243 mm	195 mm	243 mm	195 mm	131 mm	114 mm	114 mm	114 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	114 mm	114 mm	114 mm	114 mm
419 mm	371 mm	323 mm	371 mm	323 mm	275 mm	323 mm	275 mm	227 mm	275 mm	227 mm	179 mm	227 mm	179 mm	114 mm	114 mm	114 mm	114 mm
114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	CMD-006	CMD-006	CMD-006	CMD-006
439,1 mm	391,1 mm	343,1 mm	391,1 mm	343,1 mm	295,1 mm	343,1 mm	295,1 mm	247,1 mm	295,1 mm	247,1 mm	199,1 mm	247,1 mm	199,1 mm	VIS-312 *VIP-312	VIS-322 *VIP-322	VIS-332 *VIP-332	VIS-342 *VIP-342
133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	133 mm	CMD-008	CMD-008	CMD-008	CMD-008
439,1 mm	391,1 mm	343,1 mm	391,1 mm	343,1 mm	295,1 mm	343,1 mm	295,1 mm	247,1 mm	295,1 mm	247,1 mm	199,1 mm	247,1 mm	199,1 mm	VIS-313 *VIP-313	VIS-323 *VIP-323	VIS-332 *VIP-332	VIS-342 *VIP-342
263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	263 mm	VIS-314 *VIP-314	VIS-324 *VIP-324	VIS-334 *VIP-334	VIS-344 *VIP-344
439,1 mm	391,1 mm	343,1 mm	391,1 mm	343,1 mm	295,1 mm	343,1 mm	295,1 mm	247,1 mm	295,1 mm	247,1 mm	199,1 mm	247,1 mm	199,1 mm	VIS-315 *VIP-315	VIS-325 *VIP-325	VIS-335 *VIP-335	VIS-345 *VIP-345
369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	369,5 mm	VIS-316 *VIP-316	VIS-326 *VIP-326	VIS-336 *VIP-336	VIS-346 *VIP-346
435 mm	387 mm	339 mm	387 mm	339 mm	291 mm	339 mm	291 mm	243 mm	291 mm	243 mm	195 mm	243 mm	195 mm	VIS-317 *VIP-317	VIS-327 *VIP-327	VIS-337 *VIP-337	VIS-347 *VIP-347
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	VIS-318 *VIP-318	VIS-328 *VIP-328	VIS-338 *VIP-338	VIS-348 *VIP-348
448 mm	400 mm	352 mm	400 mm	352 mm	304 mm	352 mm	304 mm	256 mm	304 mm	256 mm	208 mm	256 mm	208 mm	VIS-217	VIS-217	VIS-217	VIS-217
156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	VIS-216	VIS-216	VIS-216	VIS-216
448 mm	400 mm	352 mm	400 mm	352 mm	304 mm	352 mm	304 mm	256 mm	304 mm	256 mm	208 mm	256 mm	208 mm	VIS-227	VIS-227	VIS-227	VIS-227
412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	VIS-237	VIS-237	VIS-237	VIS-237
428 mm	380 mm	332 mm	380 mm	332 mm	284 mm	380 mm	332 mm	284 mm	322 mm	380 mm	284 mm	236 mm	322 mm	VIS-235	VIS-235	VIS-235	VIS-235
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	CSU-217	CSU-217	CSU-217	CSU-217
448 mm	400 mm	352 mm	400 mm	352 mm	304 mm	352 mm	304 mm	256 mm	304 mm	256 mm	208 mm	256 mm	208 mm	CSU-315	CSU-315	CSU-315	CSU-315
156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	CSU-316	CSU-316	CSU-316	CSU-316
428 mm	384 mm	336 mm	384 mm	336 mm	284 mm	384 mm	336 mm	284 mm	324 mm	384 mm	284 mm	236 mm	324 mm	VIS-226	VIS-226	VIS-226	VIS-226
412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	VIS-236	VIS-236	VIS-236	VIS-236
428 mm	380 mm	332 mm	380 mm	332 mm	284 mm	380 mm	332 mm	284 mm	322 mm	380 mm	284 mm	236 mm	322 mm	VIS-235	VIS-235	VIS-235	VIS-235
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	CSU-317	CSU-317	CSU-317	CSU-317

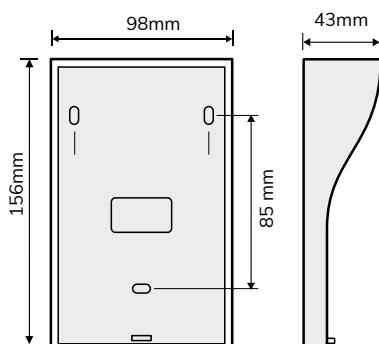
Handsets, monitors and accessories

KIT ERLEA PLUS

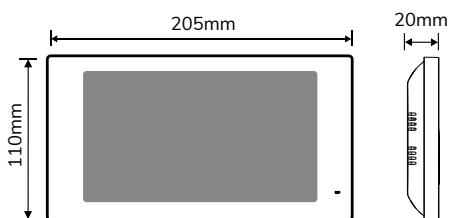
KVS-31221 / 9720165



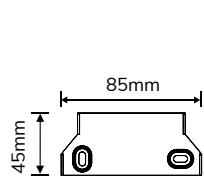
Entrance panel



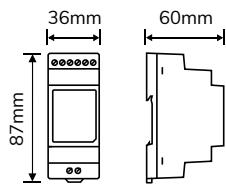
Hood for entrance panel



Monitor

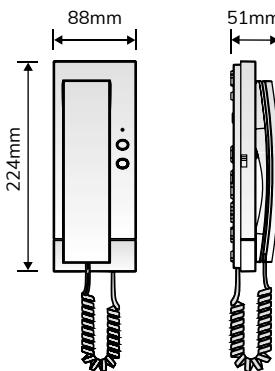


Monitor bracket

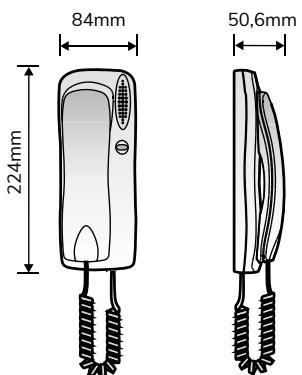


Power supply unit

HANDSETS

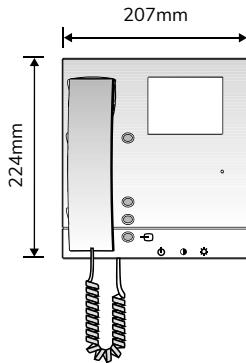


TET-002 / 9600034
TET-302 / 9600042

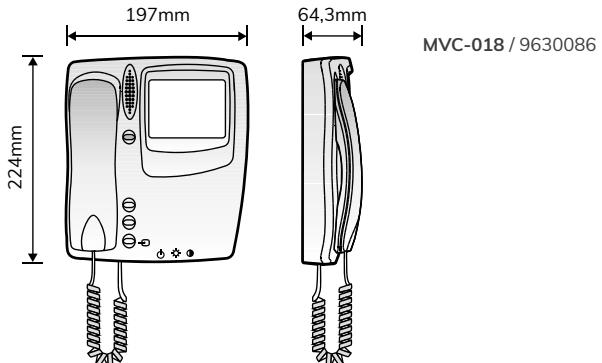


TCD-001 / 9680008
TED-001 / 9600007
TED-002 / 9600010
TEL-001 / 9600001
TEL-101 / 9600018
TES-001 / 9600003
TUN-001 / 9600002
TUN-002 / 9600011
TUN-101 / 9600013
TUN-201 / 9600040

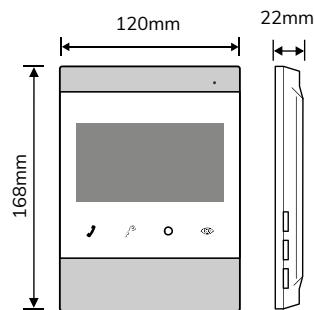
MONITORS



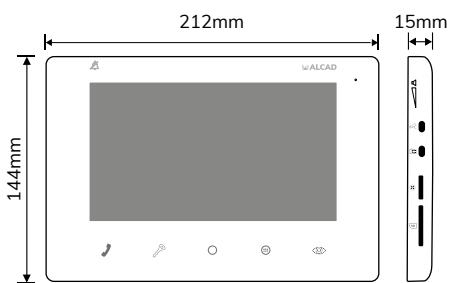
MVC-017 / 9630085



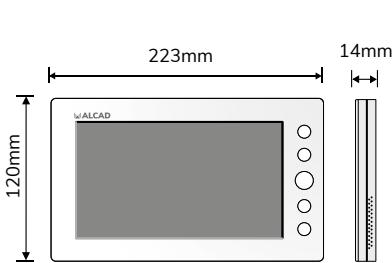
MVC-018 / 9630086



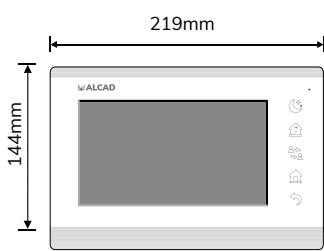
MVC-141 / 9630087



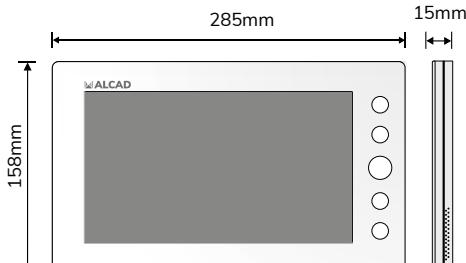
MVC-151 / 9630084
MVC-152 / 9630088



MVC-230 / 9630074



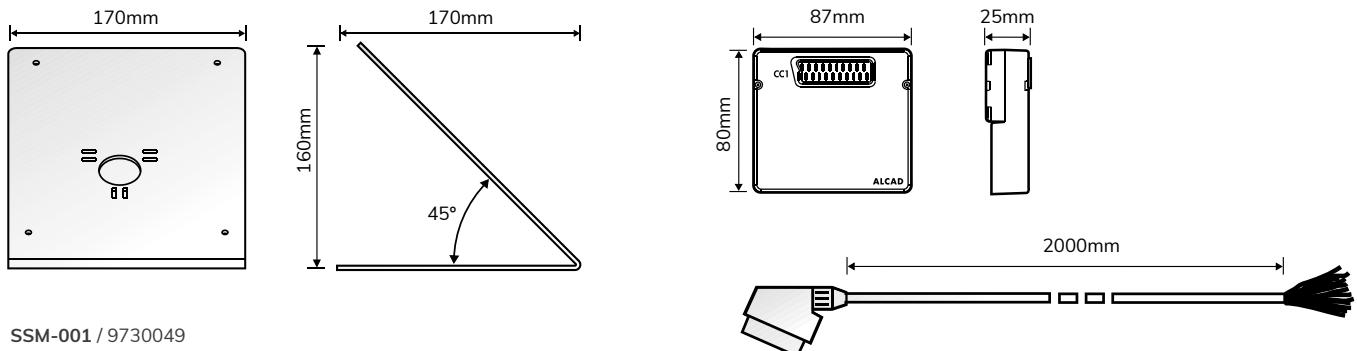
MVC-231 / 9630090



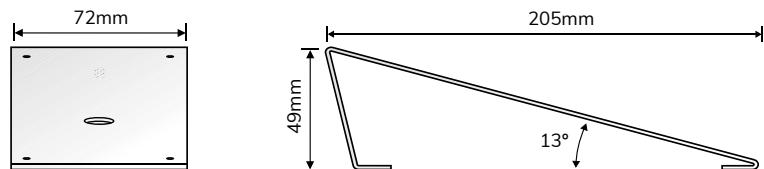
MVC-250 / 9630078

ACCESSORIES FOR INDOOR UNITS (MONITORS)

DESKTOP SUPPORT

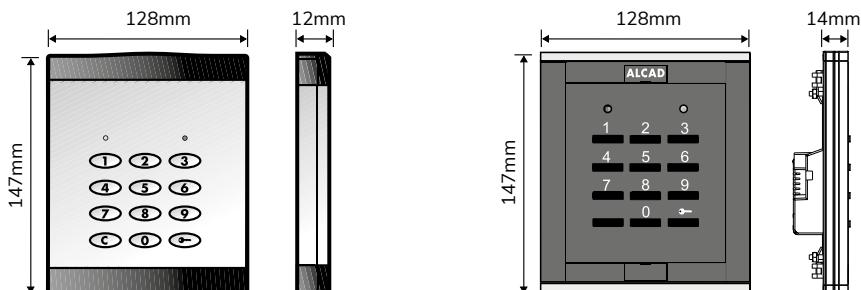


ACCESSORIES FOR INDOOR UNITS (HANDSETS)



SST-001 / 9730029

ACCESS CONTROL SYSTEM

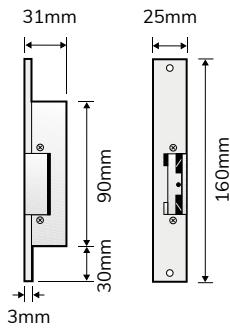


PNK-00000 / 9800006

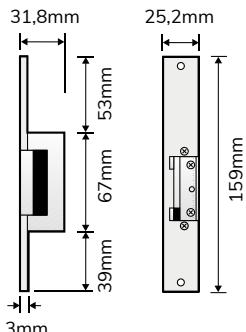
PNK-50000 / 9800114

ELECTRIC LOCKS

FLUSH ELECTRIC LOCKS

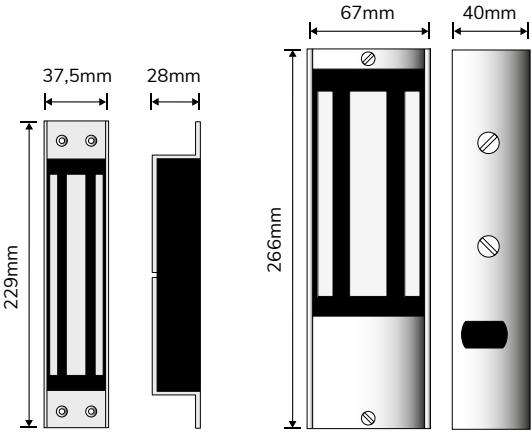


ABR-001 / 9730000
ABR-002 / 9730001
ABR-003 / 9730002
ABR-004 / 9730003
ABR-015 / 9730062
ABR-017 / 9730064
ABR-018 / 9730065



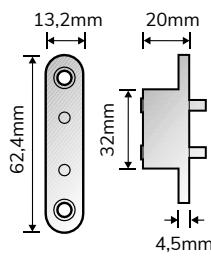
ABR-011 / 9730025
ABR-013 / 9730007
ABR-014 / 9730008
ABR-019 / 9730085
ABR-021 / 9730087

MAGNETIC ELECTRIC LOCKS

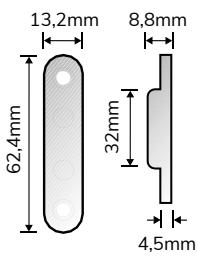


VEN-003 / 9730076 VEN-005 / 9730077

DOOR CONTACTS



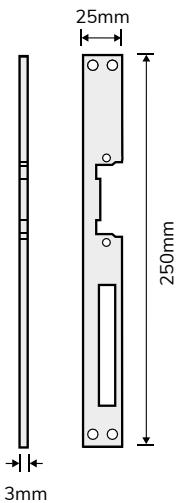
Male door contact



Female door contact

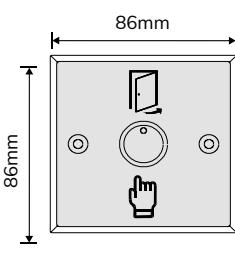
CNP-001 / 9730004

ELECTRIC LOCK SHIELD



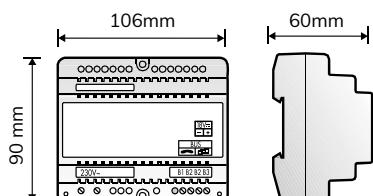
ESC-010 / 9730033

TIMED PUSH-BUTTON

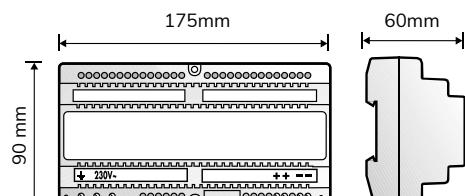


PPA-002 / 9730103

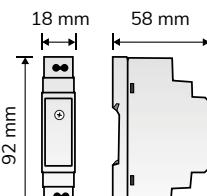
POWER SUPPLY UNITS



ALS-020 / 9650004
ALA-020 / 9620002
ALM-041 / 9620006
ALM-040 / 9620011
ALC-290 / 9620023

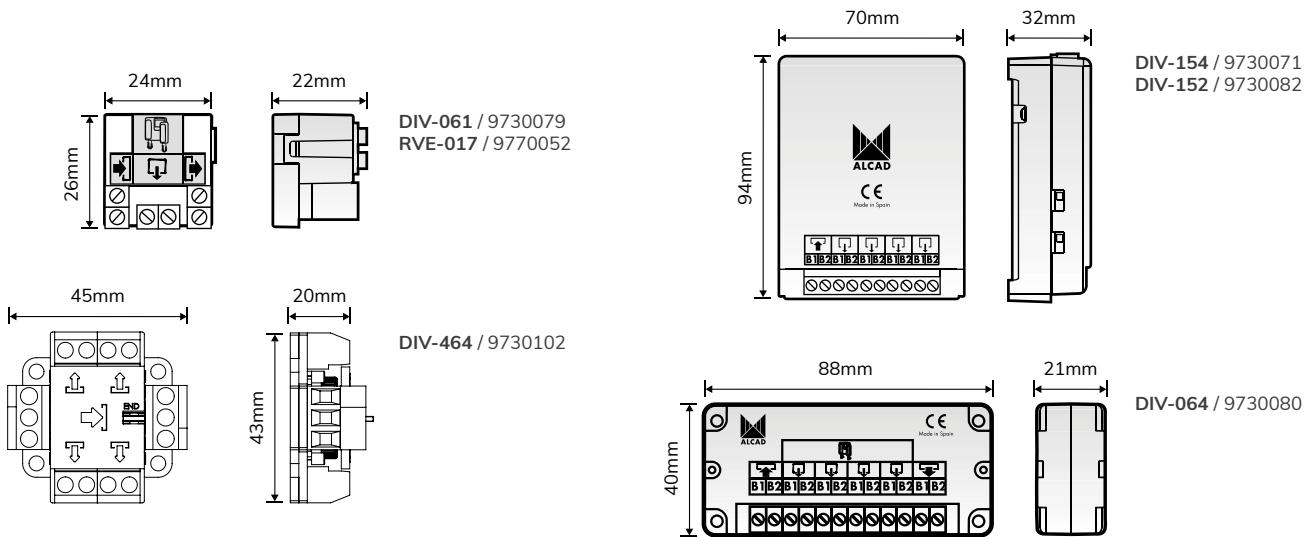


ALC-070 / 9620014

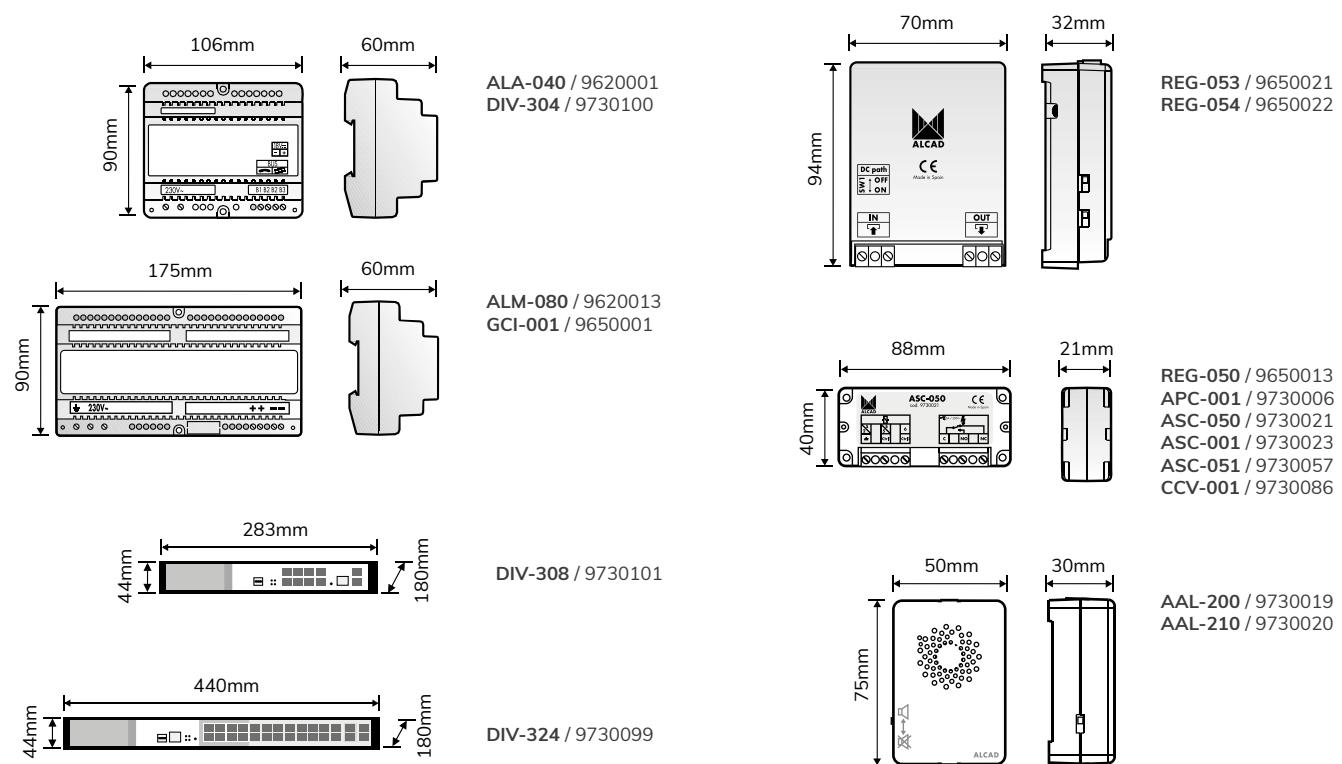


ALC-030 / 9620016

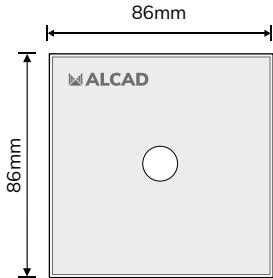
SPLITTERS / TAP-OFFS



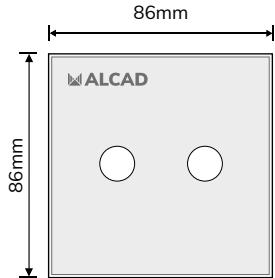
ELECTRONIC ACCESSORIES



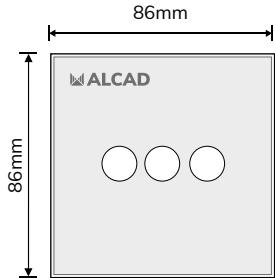
IPAL HOME AUTOMATION DEVICES



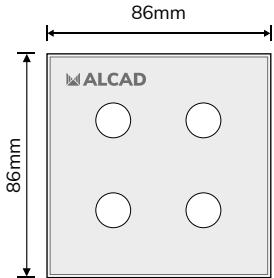
MEC-101 / 9790001



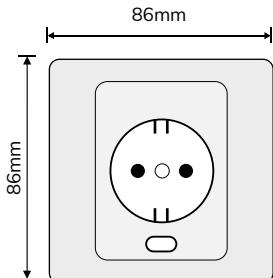
MEC-102 / 9790002



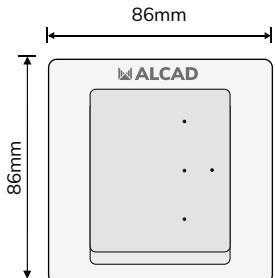
MEC-100 / 9790000
MEC-103 / 9790003
MEC-200 / 9790005



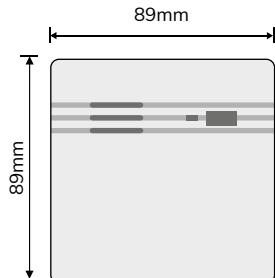
MEC-000 / 9790006



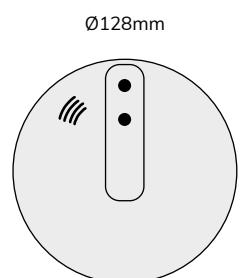
MEC-300 / 9790004



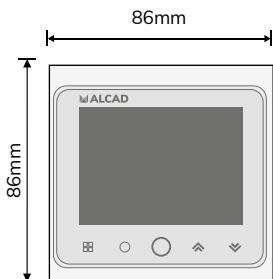
HAA-000 / 9790007



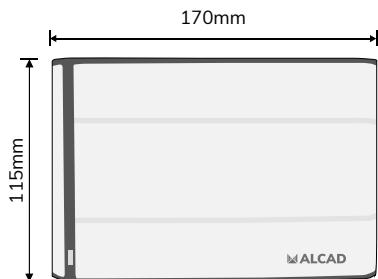
WSN-200 / 9790011



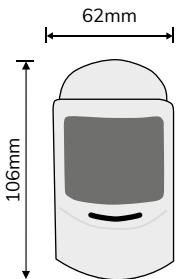
WSN-300 / 9790012



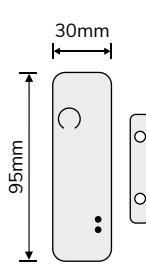
TER-000 / 9790014



HAA-001 / 9790008



WSN-400 / 9790013



WSN-500 / 9790010

LISTS OF PRODUCTS

List by code

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	9600003	TES-001	20	70
	9600007	TED-001	20	21, 62
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	9600010	TED-002	20	62
	9600011	TUN-002	20	70
	9600013	TUN-101	20	70
	9600018	TEL-101	20	70
	9600034	TET-002	20	34
	9600040	TUN-201	20	70
	9600042	TET-302	20	34
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	9630080	MCO-300	40	29
	9630083	KMC-12800	6	13
	9630084	MVC-151	10	34
	9630085	MVC-017	14	34
	9630086	MVC-018	14	34
	9630087	MVC-141	12	34
	9630088	MVC-152	10	34
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	9650013	REG-050	17	43, 47, 51, 54
	9650021	REG-053	12	43, 47, 51, 54
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	9650025	GCO-001	7	43, 47, 51, 54

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	9660002	MPS-005	1	64, 71
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	9660012	MPS-015	7	64, 71
	9660013	MPS-016	7	64, 71
	9660014	MPS-001	12	64, 71
	9660015	MPS-002	11	64, 71
	9660016	MKD-900	7	64, 71
	9660048	MPD-001	11	64, 71
	9660049	MPD-002	1	64, 71
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9670126	MMN-410	9	71	
9670127	MMN-451	1	71	
9670128	MMN-430	1	71	
9670137	MMN-441	9	71	
9670144	MAN-470	11	64	
9670145	MMN-470	1	64	
9670146	MCN-470	9	64	
9670193	MVN-909	12	49	
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	9710004	FRA-004	15	37
	9710005	FRA-005	15	37
	9710006	FRA-006	15	37
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	9710008	FRA-008	32	37
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	9730002	ABR-003	50
	9730003	ABR-004	50
	9730004	CNP-001	50
	9730005	AAL-001	18
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	9730082	DIV-152	12
	9730085	ABR-019	50
	9730086	CCV-001	40
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	9730091	MAE-902	13
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	9730098	DIV-261	30
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	9730103	PPA-002	0
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	9740004	CEM-001	50
	9740005	CMO-002	16
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	9740007	CMO-006	16
	9740008	CMO-008	15
	9740009	CMO-010	12
	9740010	CMO-012	12
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9800265	PTD-64207	7	45
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