

# DOOR ENTRY SYSTEMS

Video and audio intercom | Access control

# ALCAD

#signal\_hunters



SHORT FORM  
CATALOGUE

20  
|  
20

# YOUR HOME, YOUR NEST

A home is a nest, a refuge to rest from the hustle and bustle of everyday life. Because we are aware of this, at ALCAD Electronics we have updated our DOOR ENTRY SYSTEMS (DES) product catalogue to improve the lives of families.

With **100% IP solutions for Home Automation** and **2-WIRE, DIGITAL** or **4+N systems**, both for villas and buildings. With access control and taking accessibility into account. And with all our guarantee.

 **ALCAD**  
#signal\_hunters

Short form catalogue  
DOOR ENTRY SYSTEMS (DES)  
January 2020

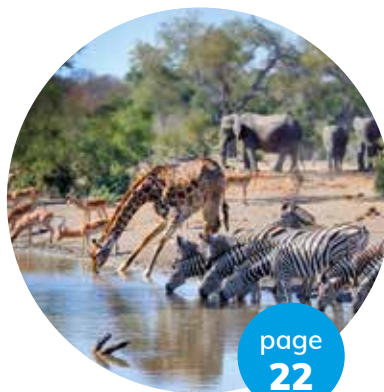
# How to choose the best solution for your installation

- 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:



## SOLUTIONS FOR: VILLAS & SMALL FACILITIES

- The **Kits by ALCAD** are designed for small installations, mostly villas. 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**



## 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**
  - **Vandalproof 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.



## 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**

# VILLAS

BUY.  
CHOOSE.  
INSTALL.

The kits by ALCAD for villas and small facilities are prepared with all the elements you need for commissioning. Choose between video or audio and the technology that best suits your needs: **IP, 2-WIRE, DIGITAL** or **4+N**.



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## ■ Audio door entry kits


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# VIDEO DOOR ENTRY KITS

## Feature summary

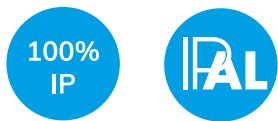
		<b>ENTRANCE PANEL</b>	<b>HANDSET</b>	<b>MODEL</b> (Number of villas)
	(page 8)			<b>KIP-00300</b> (1 villa)
	(page 8)			 <b>KVS-31121</b> (1 villa)
	(page 10)			 <b>KVS-50921</b> (1 villa) <b>KVS-50821</b> (1 villa) <b>KVS-50601</b> (1 villa)
	(page 12)			<b>KVS-30421</b> (1 villa) <b>KVS-30721</b> (1 villa)
	(page 14)			<b>KVS-47201</b> (1 villa) <b>KVD-47201</b> (2 villas) <b>KVS-47501</b> (1 villa) <b>KVD-47501</b> (2 villas)

 Until end of stock

 New

WIRING	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
IP	Flush-mounted / Surface	No limit	7"	YES	YES (VIDEO)	YES (AUDIO + VIDEO)	+1	No limit	Does not apply	NO
2 wires	Surface	+0	7"	YES	YES	YES	+1	100m	NO	NO
2 wires	Flush-mounted	+5	4"	YES	NO			340m		NO
			7"	YES	YES	NO	+5	265m	YES	NO
			3'5"	NO	NO			545m		YES
2 wires	Surface	+0	7"	YES	NO YES	YES	+2	180m	NO	NO
4 wires + coax  4 wires + twisted pair	Flush-mounted	+9	3'5"	NO	NO	NO	+3 per villa	100m	NO	YES

# Kit IPAL (Shortly)



## 1 VILLA KIT

9720163 **KIP-00300**

IP video door entry kit for villas. 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.

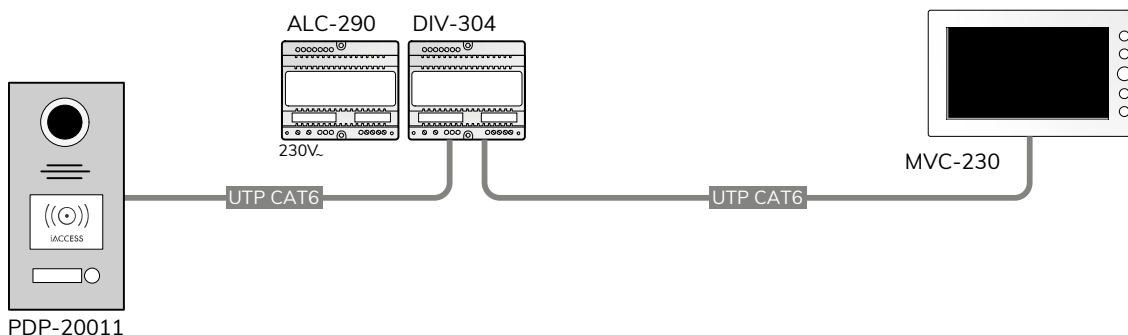
### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9800160	<b>PDP-20011</b>	1 push-button entrance panel (with flush-mounted box)
9630074	<b>MVC-230</b>	IPAL KABI7" Wi-Fi white indoor unit
9740227	<b>CME-020</b>	IPAL 86x86 standard flush box
9730100	<b>DIV-304</b>	Tap-off switch (4 outputs)
9620023	<b>ALC-290</b>	48V DC 65,3 VA 100-240 VAC power supply
9690018	<b>LAC-020</b>	Set of 5 proximity keys for residents
9430075	<b>RFI-252</b>	RFID card MIFARE (2 units)



## / Accessories

QTY.	CODE	MODEL	DESCRIPTION
<b>SECOND INDOOR UNIT</b>			
1 unit	9630074	<b>MVC-230</b>	Hands-free white KABI7" indoor monitor with integrated Wi-Fi and RF chipsets for IPAL system
1 unit	9630080	<b>MCO-300</b>	KABI7" indoor monitor wired alarms connector (4 inputs)
1 unit	9740227	<b>CME-020</b>	Standard 86x86mm flushed box
<b>SIMPLE ELECTRIC LOCK</b>			
1 unit	9730062	<b>ABR-015</b>	Simple electric lock. 15 VDC
1 unit	9620011	<b>ALM-040</b>	25 VA power supply unit, video door entry system
<b>RECOMMENDED CABLE</b>			
-	9300065	<b>TCA-100</b>	Category 6 solid UTP cable, LSZH (305m)
<b>ACCESS CONTROL</b>			
1 unit	9690018	<b>LAC-020</b>	Set of 5 proximity keys for residents
1 unit	9430075	<b>RFI-252</b>	RFID card MIFARE





# Kit ERLEA



## 1 VILLA KIT 7" INDOOR UNIT

9720156 **KVS-31121**

ERLEA hands-free kit with 1 single push-button, 2-wires system with 7 inches screen indoor unit with automatic image capture when calls are unanswered and surface mount entrance panel.

### THE KIT INCLUDES:

- 1 push-button ERLEA entrance panel
- ERLEA 7" indoor unit
- ERLEA DIN rail power supply unit



Until end of stock

## / Accessories

QTY.	CODE	MODEL	DESCRIPTION
<b>SECOND INDOOR UNIT</b>			
1 unit	9630077	<b>MVC-133</b>	Hands-free secondary ERLEA 7" indoor unit
<b>SIMPLE ELECTRIC LOCK</b>			
1 unit	9730062	<b>ABR-015</b>	Simple electric lock. 15 VDC
<b>SIMPLE ELECTRIC LOCK FOR SECOND DOOR</b>			
1 unit	9730062	<b>ABR-015</b>	Simple electric lock. 15 VDC
1 unit	9730057	<b>ASC-051</b>	Timed relay for door opener maneuver
1 unit	9620011	<b>ALM-040</b>	25VA power supply, 12VAC and 15VDC
<b>RECOMMENDED CABLE</b>			
-	9750005	<b>CAB-007</b>	Sleeved cable 2 x 0,5 mm <sup>2</sup> (by 100m coils)



# Kits iBLACK

FLUSH-MOUNTED



## 1 VILLA KIT 4" ENARA INDOOR UNIT

9720164 **KVS-50921**

iBLACK kit for 1 villa, ENARA hands-free 4" indoor unit and 1 single push-button entrance panel.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9670164	<b>MAN-500</b>	Push-button audio unit module
9670178	<b>MVN-508</b>	Generic colour video unit
9660082	<b>PPS-52201</b>	iBLACK ent. panel 1 single p.but., window 2 mod.
9740006	<b>CMO-004</b>	Flush-mounted box for 3 or 4 storeys
9650004	<b>ALS-020</b>	Power supply unit interface
9630075	<b>MVC-140</b>	ENARA hands-free 4" indoor unit

New

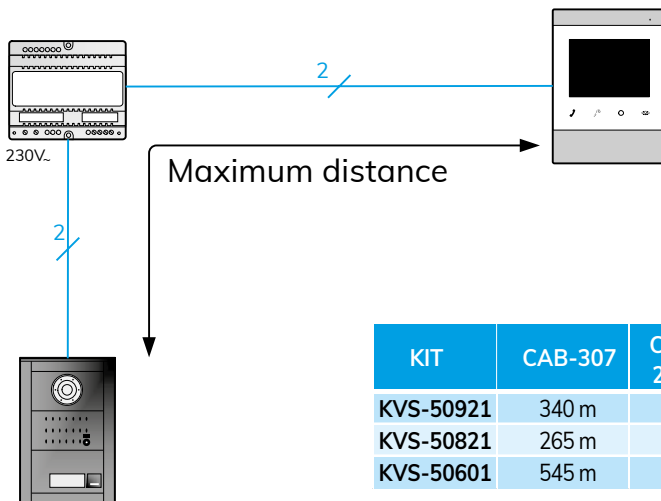
## 1 VILLA KIT 7" INDOOR UNIT

9720151 **KVS-50821**

iBLACK hands-free kit with 1 single push-button, 2-WIRE system with white indoor unit with automatic image capture when calls are unanswered.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9670164	<b>MAN-500</b>	Push-button audio unit module
9670178	<b>MVN-508</b>	Generic colour video unit
9660082	<b>PPS-52201</b>	iBLACK ent. panel 1 single p.but., window 2 mod.
9740006	<b>CMO-004</b>	Flush-mounted box for 3 or 4 storeys
9650004	<b>ALS-020</b>	Power supply unit interface
9630045	<b>MVC-130</b>	7" hands-free indoor unit
9630076	<b>SCM-151</b>	Connect. bracket HFMM 2 wires cascade



KIT	CAB-307	CAB-007 2x1 mm <sup>2</sup>	CAB-004 2x0,5 mm <sup>2</sup>	2x0,25 mm <sup>2</sup>	TCA-100 UTP CAT6
KVS-50921	340 m	175 m	175 m	130 m	115 m
KVS-50821	265 m	210 m	130 m	65 m	55 m
KVS-50601	545 m	210 m	210 m	155 m	140 m



## 1 VILLA KIT WITH 3,5" INDOOR UNIT

9720149 **KVS-50601**

iBLACK Kit with 1 single push-button entrance panel, and 3,5" indoor unit.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
9670164	<b>MAN-500</b>	Audio unit module
9670178	<b>MVN-508</b>	Generic colour video unit module
9660082	<b>PPS-52201</b>	iBLACK ent. panel 1 single p.but., window 2 mod.
9740006	<b>CMO-004</b>	Flush-mounted box for 3 or 4 storeys
9650004	<b>ALS-020</b>	Power supply unit interface
9630043	<b>MVC-008</b>	2-Wires colour indoor unit, Linea 201 aesthetic
9630031	<b>SCM-051</b>	Indoor unit connections support
9730062	<b>ABR-015</b>	Standard electric lock. 15VDC



## / Accessories

QTY.	CODE	MODEL	DESCRIPTION
<b>SECOND ENTRANCE PANEL</b>			
1 unit	9670164	<b>MAN-500</b>	Audio unit module. Speaker and microphone
1 unit	9670178	<b>MVN-508</b>	Generic colour video unit module
1 unit	9660082	<b>PPS-52201</b>	Entrance panel with 1 single push-button and windows for 2 entrance panel modules
1 unit	9740006	<b>CMO-004</b>	Flush-mounted box for 3 or 4 storeys
1 unit	9730082	<b>DIV-152</b>	Splitter, 2 outputs
1 unit	9730062	<b>ABR-015</b>	Standard electric lock. 15 VDC
<b>SIMPLE ELECTRIC LOCK</b>			
1 unit	9730062	<b>ABR-015</b>	Standard electric lock. 15 VDC
<b>SECOND SIMPLE ELECTRIC LOCK</b>			
1 unit	9730062	<b>ABR-015</b>	Standard electric lock. 15 VDC
1 unit	9730097	<b>APX-013</b>	When connected to the entrance panel, it allows the use of the auxiliary buttons on the monitors
<b>RAIN-SHIELD FOR ENTRANCE PANEL</b>			
1 unit	9740110	<b>VIS-112</b>	Single rain-shield for 3 or 4 storeys
<b>SURFACE BOX + RAIN-SHIELD FOR ENTRANCE PANEL</b>			
1 unit	9740187	<b>CSU-512</b>	iBLACK simple surface box for 3 or 4 storeys
1 unit	9740137	<b>VIS-212</b>	Single rain-shield for surface box for 3 or 4 storeys
<b>ELECTRONIC CALL EXTENSION</b>			
1 unit	9730019	<b>AAL-200</b>	Electronic call extension to be used on installations with electronic call
<b>RECOMMENDED CABLE</b>			
-	9750009	<b>CAB-307</b>	Optimized screened sleeved cable 2x1 mm <sup>2</sup> (by 100m coils)

# Kits Zamac

SURFACE MOUNTED



## 1 VILLA KIT WITH 7" HANDS-FREE INDOOR UNIT WITH AUTOMATIC IMAGE CAPTURE

9720150 / **KVS-30721**

Hands-free kit with 1 single pushbutton, 2-WIRE system with white indoor unit with automatic image capture when calls are unanswered and surface entrance panel.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	1 push-button Zamac entrance panel
9630044	<b>MVC-126</b>	Hands-free white entrance panel Captu kit
9630039	<b>SCM-160</b>	Hands-free indoor unit connection support
9620016	<b>ALC-030</b>	DC 22 VA 230/240 VAC power supply



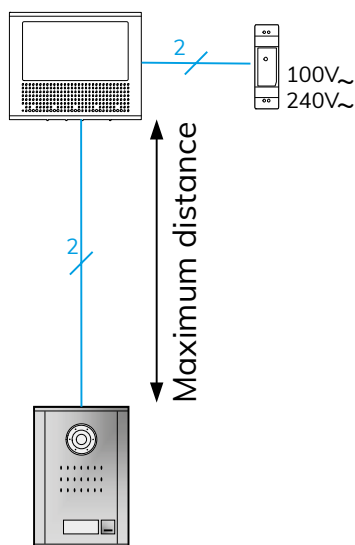
## 1 VILLA KIT WITH 7" HANDS-FREE INDOOR UNIT

9720145 / **KVS-30421**

Hands-free kit with 1 single pushbutton, 2-WIRE system with white indoor unit and surface entrance panel.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	1 push-button Zamac entrance panel
9630041	<b>MVC-125</b>	Monitor manos libres kit colour
9630039	<b>SCM-160</b>	Hands-free indoor unit connection support
9620016	<b>ALC-030</b>	DC 22 VA 230/240 VAC power supply



KIT	CAB-307	CAB-007 2x1 mm <sup>2</sup>	CAB-004 2x0,5 mm <sup>2</sup>	2x0,25 mm <sup>2</sup>	TCA-100 UTP CAT6
KVS-30421	180 m	100 m	80 m	60 m	90 m
KVS-30721	180 m	100 m	80 m	60 m	90 m

## / Accessories

QTY.	CODE	MODEL	DESCRIPTION
<b>SECOND HANDS-FREE INDOOR UNIT (WITHOUT CAPTURE)</b>			
1 unit	9630047	<b>KMC-12500</b>	Additional hands-free colour indoor unit set. Includes everything necessary for the installation of an extra <b>MVC-125</b> indoor unit
<b>SIMPLE ELECTRIC LOCK</b>			
1 unit	9730062	<b>ABR-015</b>	Standard electric lock. 15 VDC
<b>CONNECT EXISTING AC ELECTRIC LOCK</b>			
1 unit	9730021	<b>ASC-050</b>	Timed relay for door opener maneuver
1 unit	9620001	<b>ALA-040</b>	Power supply unit 25VA, 12VAC
<b>ELECTRONIC CALL EXTENSION</b>			
1 unit	9730019	<b>AAL-200</b>	Electronic call extension for installations with electronic call
<b>RECOMMENDED CABLE</b>			
-	9750009	<b>CAB-307</b>	Optimized screened sleeved cable 2x1 mm <sup>2</sup> (by 100m coils)

# Kits DIGITAL



## 1 VILLA KIT 3,5" MONITOR 4 WIRES + COAXIAL

9720047 **KVS-47201**

Digital video door entry kit with 1 single push-button, 4 wires BUS and coaxial, with colour indoor unit.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Entrance panel 4+coaxial 1 push-button
9630008	<b>MVC-002</b>	Digital colour video indoor unit
9630004	<b>SCM-030</b>	Connec. bracket for digital indoor unit coax
9620015	<b>ALC-041</b>	Power supply unit DC 25 VA 230/240 VAC
9730062	<b>ABR-015</b>	Simple electric lock. 15 VDC
9740006	<b>CMO-004</b>	Flush-mounted box for 3 or 4 storeys



## 1 VILLA KIT 3,5" MONITOR 4 WIRES + TWISTED PAIR

9720108 **KVS-47501**

Digital video door entry kit with 1 single push-button, 4 wires BUS and twisted pair, with colour indoor unit.

### THE KIT INCLUDES:

CODE	MODEL	DESCRIPTION
-	-	Entrance panel 4+twisted pair 1 push-button
9630008	<b>MVC-002</b>	Digital colour video indoor unit
9630005	<b>SCM-040</b>	Connec. Digital indoor unit twisted pair
9620015	<b>ALC-041</b>	Power supply unit DC 25 VA 230/240 VAC
9730062	<b>ABR-015</b>	Simple electric lock. 15 VDC
9740006	<b>CMO-004</b>	Flush-mounted box for 3 or 4 storeys

## 2 VILLAS KIT 3,5" MONITOR 4 WIRES + COAXIAL

9720107 **KVD-47201**

Video door entry Kit with 1 double push-button and digital system, 4 wires BUS and coaxial with colour indoor unit.

### THE KIT INCLUDES:

- The same as **KVS-47201** but with two push-button entrance panel, two indoor units and two connection supports.

## 2 VILLAS KIT 3,5" MONITOR 4 WIRES + TWISTED PAIR

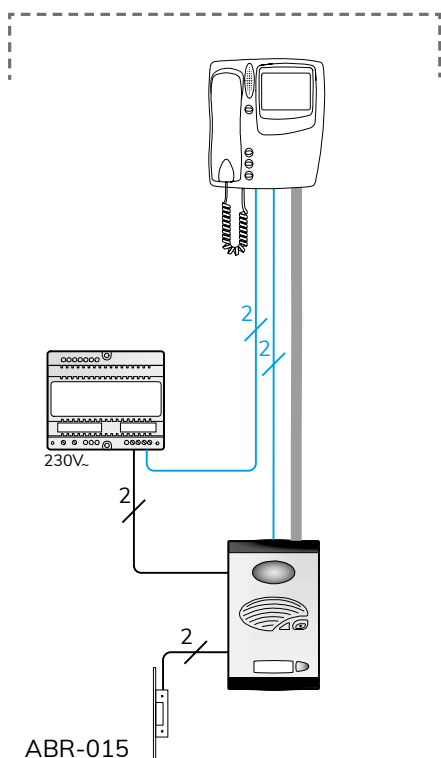
9720109 **KVD-47501**

Digital video door entry kit with 1 double push-button, 4 wires BUS and twisted pair, with colour indoor unit.

### THE KIT INCLUDES:

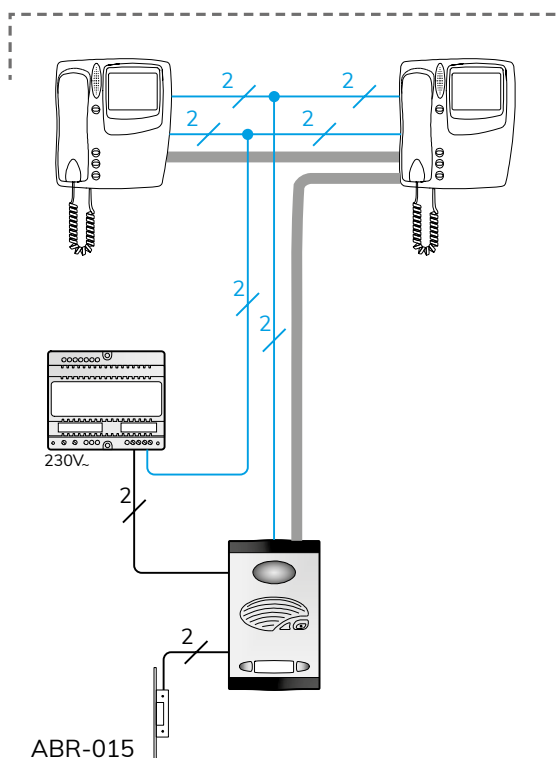
- The same as **KVS-47501** but with two push-button entrance panel, two indoor units and two connection supports.

## KIT 1 VILLA



ABR-015

## KIT 2 VILLAS



ABR-015





















KIT			
KVS-47201	CAB-007	CAB-007	CE-753
KVD-47201	2x1mm <sup>2</sup>	2x1mm <sup>2</sup>	COAX 75Ω
KVS-47501	Up to 100m	Up to 25m	TCA-100
KVD-47501			UTP CAT6


## / Accessories

QTY.	CODE	MODEL	DESCRIPTION
<b>4-WIRE + COAX SECOND INDOOR UNIT</b>			
1 unit	9630008	MVC-002	Video door entry system digital colour indoor unit
1 unit	9630004	SCM-030	Connection bracket for digital indoor unit with connections
<b>4-WIRE + TWISTED PAIR SECOND INDOOR UNIT</b>			
1 unit	9630008	MVC-002	Video door entry system digital colour indoor unit
1 unit	9630005	SCM-040	Connection bracket for digital indoor unit with connections
<b>ADDITIONAL HANDSET</b>			
1 unit	9600010	TED-002	Digital handset with electronic call and privacy of conversation, 2 push-buttons
<b>CONNECT EXISTING AC ELECTRIC LOCK</b>			
1 unit	9620001	ALA-040	Power supply unit 25VA, 12VAC
<b>ENTRANCE PANEL RAIN-SHIELD</b>			
1 unit	9740110	VIS-112	Single rain-shield for 3 / 4 storeys
<b>SURFACE BOX + ENTRANCE PANEL RAIN-SHIELD</b>			
1 unit	9740101	CSU-212	Simple surface box for 3 / 4 storeys
1 unit	9740137	VIS-212	Single rain-shield for surface box for 3 / 4 storeys
<b>ELECTRONIC CALL EXTENSION</b>			
1 unit	9730019	AAL-200	Electronic call extension. To be used with electronic call installations
<b>RECOMMENDED CABLE</b>			
-	9750005	CAB-007	Sleeved cable 2x1 mm <sup>2</sup> (by 100m coils)
-	9100021	CE-753	7 mm, 17dB/100m 800 MHz coaxial cable (by 100m coils)
-	9300065	TCA-100	Solid UTP category 6 cable, LSZH (by 100m coils)

# AUDIO DOOR ENTRY KITS

## Feature summary

	ENTRANCE PANEL	HANDSET	MODEL (Number of villas)
 L201	 <small>(page 18)</small>		<b>KAS-47021</b> (1 villa)  <b>KAS-47001</b> (1 villa) <b>KAD-47001</b> (2 villas)
 VANDAL-PROOF	 <small>(page 18)</small>		 <b>KAS-67001</b> (1 villa)  <b>KAD-67001</b> (2 villas)
	 <small>(page 20)</small>		 <b>KAS-41001</b> (1 villa) <b>KAS-41021</b> (1 villa)  <b>KAD-41001</b> (2 villas) <b>KAD-41021</b> (2 villas) <b>KAS-41003</b> (3 villas)  <b>KAS-41004</b> (4 villas) <b>KAD-41002</b> (4 villas)  <b>KAS-41005</b> (5 villas)  <b>KAD-41003</b> (6 villas)  <b>KAS-41004</b> (8 villas)  <b>KAD-41005</b> (10 villas)  <b>KAD-41006</b> (12 villas)

 Until end of stock



WIRING	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
2 wires	Flush-mounted	+9	+3 per villa	1	NO	100m	NO	NO YES YES
2 wires	Flush-mounted	+9	+3 per villa	1	NO	100m	NO	YES
4+N	Flush-mounted	+0	+3 per villa	1	NO	100m	NO	YES NO YES NO YES YES YES YES YES YES

# Kits DIGITAL



## 1 VILLA KIT 201 LINE ENTRANCE PANEL

9700131 **KAS-47021**

1 villa. 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	<b>TED-001</b>	1 push-button DIGITAL
9740005	<b>CMO-002</b>	Flush-mounted box for 1 / 2 storeys
9620015	<b>ALC-041</b>	Power supply unit DC 25 VA 230/240 VAC



## 1 VILLA KIT. VANDAL-PROOF ENTRANCE PANEL

9700118 **KAS-67001**

1 villa. Vandal-proof kit, 1 single push-button, with 2-wire DIGITAL system.

### THE KIT INCLUDES:

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

## 1 VILLA KIT. 201 LINE ENTRANCE PANEL WITH ELECTRIC LOCK

9700106 **KAS-47001**

1 villa. DIGITAL door entry kit with 1 single push-button, 2-wires BUS. With electric lock.

### THE KIT INCLUDES:

- The same as **KAS-47021** but with 9730062 / **ABR-015** electric lock.

## 2 VILLAS KIT. VANDAL-PROOF ENTRANCE PANEL

9700119 **KAD-67001**

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

### THE KIT INCLUDES:

- The same as **KAS-67001** but with 2 push-button entrance panels and 2 9600007 / **TED-001** handsets.

## 2 VILLA KIT 201 LINE ENTRANCE PANEL

9700107 **KAD-47001**

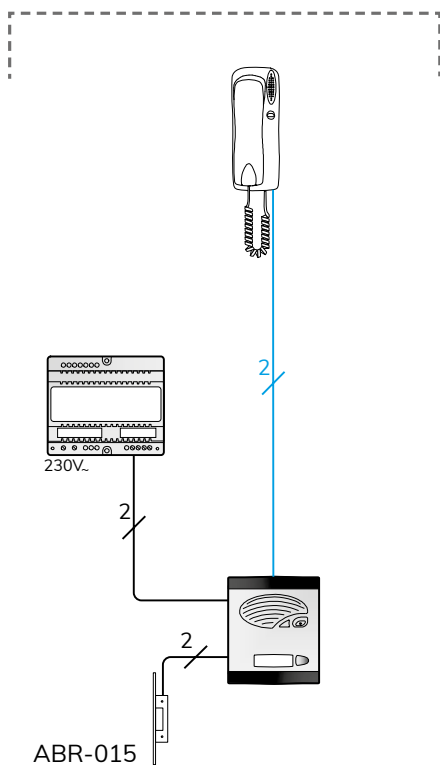
2 villas. DIGITAL door entry kit with 1 double pushbutton, 2-wires BUS.

### THE KIT INCLUDES:

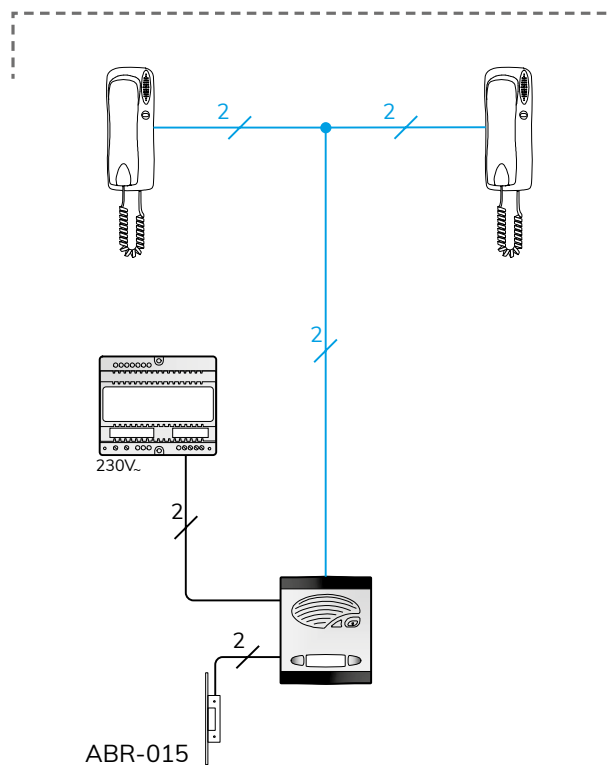
- The same as **KAS-47021** but with 2 push-button entrance panels, 2 handsets and 9730062 / **ABR-015** electric lock.

Until end of stock

## KIT 1 VILLA



## KIT 2 VILLAS



KIT		
KAS-47021	CAB-007 2x1mm <sup>2</sup> Up to 100m	CAB-007 2x1mm <sup>2</sup> Up to 25m
KAS-47001		
KAD-47001		
KAS-67001		
KAD-67001		

## / Accessories

QTY.	CODE	MODEL	DESCRIPTION
<b>ADDITIONAL HANDSET</b>			
1 unit	9600007	<b>TED-001</b>	Digital handset with electronic call and privacy of conversation
<b>CONNECT EXISTING AC ELECTRIC LOCK</b>			
1 unit	9620001	<b>ALA-040</b>	25VA, 12VAC power supply unit
<b>STANDARD ELECTRIC LOCK</b>			
1 unit	9730062	<b>ABR-015</b>	Standard electric lock. 15 VDC.
<b>RAIN-SHIELD FOR ENTRANCE PANEL</b>			
1 unit	9740109	<b>VIS-111</b>	Single rain-shield for 1 / 2 storeys
<b>SURFACE BOX + L201 ENTRANCE PANEL RAIN-SHIELD</b>			
1 unit	9740100	<b>CSU-211</b>	Simple surface box for 1 / 2 storeys
1 unit	9740136	<b>VIS-211</b>	Single rain-shield for surface box for 1 / 2 storeys
<b>CALL EXTENSION</b>			
1 unit	9730019	<b>AAL-200</b>	Electronic call extension. To be used with electronic call
1 unit	9730018	<b>AAL-120</b>	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
<b>RECOMMENDED CABLE</b>			
-	9750005	<b>CAB-007</b>	2x1mm <sup>2</sup> sleeved cable (by 100m coils)

# Kits 4+N



## 1 VILLA KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700046 **KAS-41021**

1 villa, 4+N conventional handset with 1 single push-button and 201 Line flush-mounted entrance panel with 1 push-button.

### THE KIT INCLUDES:

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



## 4 VILLAS KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700041 **KAD-41002**

4 villas kit, 4 4+N conventional handsets with 1 push-button and 201 Line entrance panel with 4 push-buttons.

### THE KIT INCLUDES:

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

## 1 VILLA KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700037 **KAS-41001**

1 villa kit with 1 single push-button, 4+N call system.

### THE KIT INCLUDES:

- The same as **KAS-41021** but with 9730000 / **ABR-001** electric lock.

## 8 VILLAS KIT. 4+N HANDSET AND 201 LINE ENTRANCE PANEL

9700043 **KAD-41004**

8 villas kit, 8 4+N conventional handsets with 1 push-button and 201 Line flush-mounted entrance panel with 4 push-buttons.

### THE KIT INCLUDES:

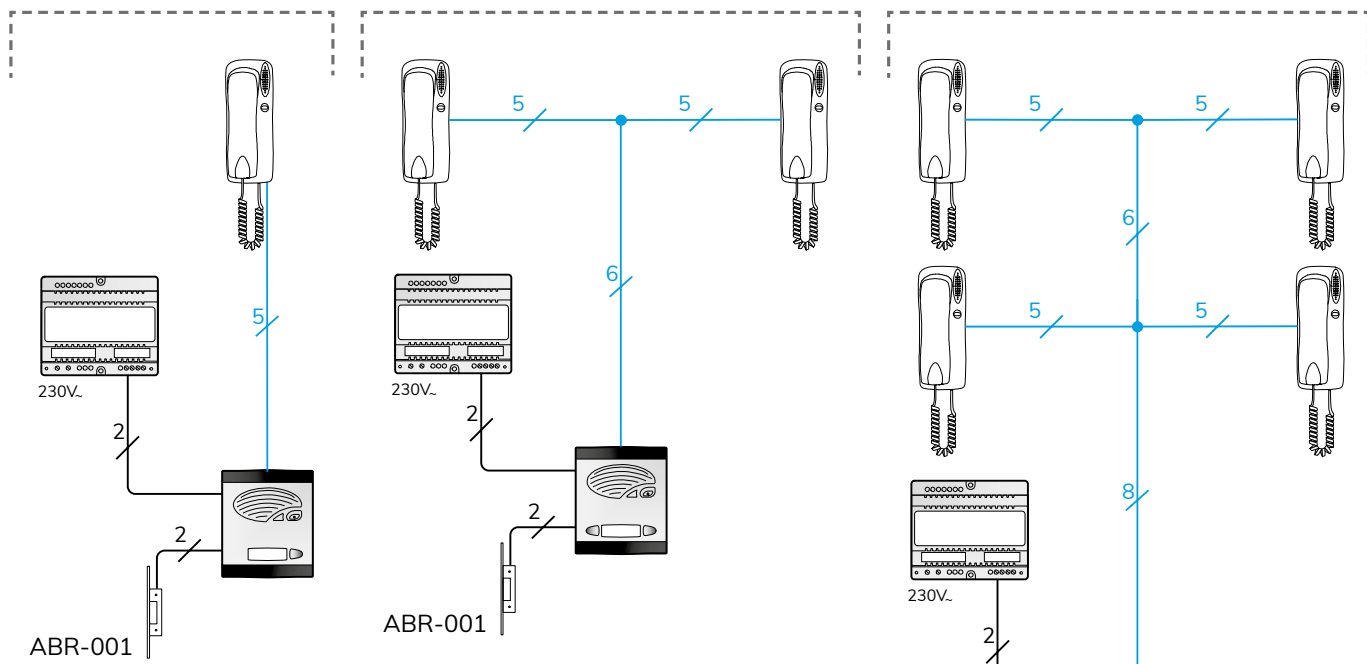
CODE	MODEL	DESCRIPTION
-	-	Conventional 201L entrance panel. 8 push-buttons
9740006	<b>CMO-004</b>	Flush-mounted box for 3 / 4 storeys
9600001	<b>TEL-001</b>	Handset with electronic call (8 units)
9620002	<b>ALA-020</b>	16 VA 230/240 VAC kit power supply unit
9730000	<b>ABR-001</b>	Standard electric lock. 12 VAC

Until end of stock

### KIT 1 VILLA

### KIT 2 VILLAS

### KIT 4 VILLAS



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

## / Other kits

CODE	MODEL	DESCRIPTION
9700040	KAD-41001	2 villas kit (1 double push-button)
9700047	KAD-41021	2 villas kit (1 double push-button). Without electric lock
9700038	KAS-41003	3 villas kit (3 single push-buttons)
9700135	KAS-41004	4 villas kit (4 single push-buttons)
9700039	KAS-41005	5 villas kit (5 single push-buttons)
9700042	KAD-41003	6 villas kit (3 single push-buttons)
9700044	KAD-41005	10 villas kit (5 single push-buttons)
9700045	KAD-41006	12 villas kit (6 single push-buttons)

## / Accessories

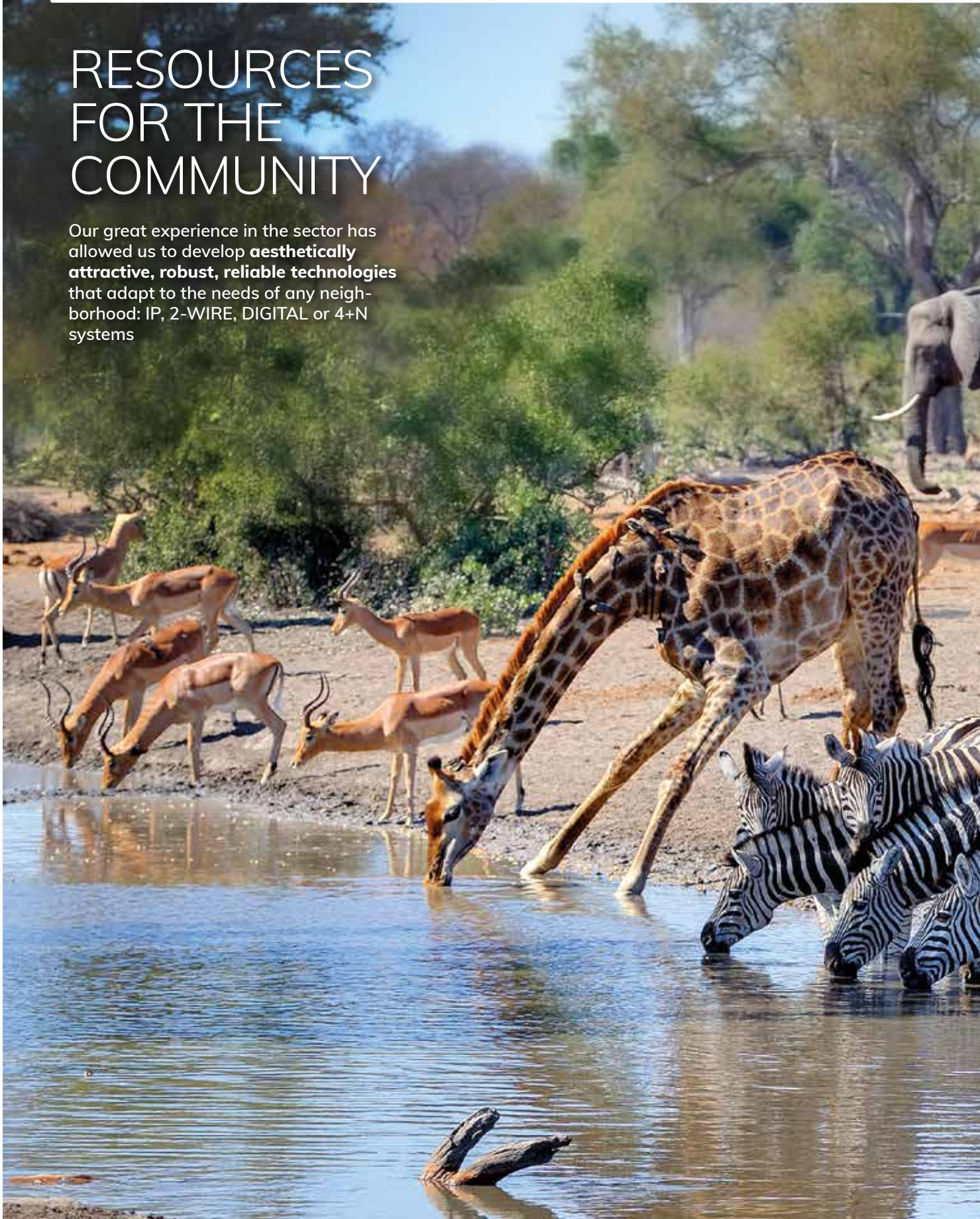
CODE	MODEL	DESCRIPTION
<b>RAIN-SHIELDS</b>		
9740109	VIS-111	Single rain-shield for 1 / 2 storeys
9740110	VIS-112	Single rain-shield for 3 / 4 storeys
9740111	VIS-113	Single rain-shield for 5 / 6 storeys
<b>SURFACE BOXES</b>		
9740100	CSU-211	Surface boxes for 1 / 2 storeys
9740101	CSU-212	Surface boxes for 3 / 4 storeys
9740102	CSU-213	Surface boxes for 5 / 6 storeys
<b>ELECTRONIC CALL EXTENSION</b>		
9730019	AAL-200	Electronic call extension for electronic call installations

☀ Until end of stock

# BUILDINGS

## RESOURCES FOR THE COMMUNITY

Our great experience in the sector has allowed us to develop **aesthetically attractive, robust, reliable technologies** that adapt to the needs of any neighborhood: IP, 2-WIRE, DIGITAL or 4+N systems



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# Summary of technologies



The **IPAL** system is the 100% IP intercommunication and building management system designed and made by ALCAD. Its factory custom pre-configuration 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

## CHARACTERISTICS TABLE

Wiring	2 non-polarized wires, flexible topology
Cable types	<ul style="list-style-type: none"> <li>- Parallel 2x1mm<sup>2</sup> ALCAD Optimized <b>CAB-307</b></li> <li>- Common Parallel (2x1mm<sup>2</sup>, 2x0,5mm<sup>2</sup>...)</li> <li>- Twisted pair</li> <li>- UTP CAT5</li> <li>- Replacing of a doorbell (2 wires)</li> <li>- 4+N cable</li> </ul> <p>Note: Performance may vary depending on the cable used. Recommended cable: Parallel 2x1mm<sup>2</sup> ALCAD Optimized <b>CAB-307</b>.</p>
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)

## CHARACTERISTICS TABLE

Wiring	2 non-polarized wires, flexible topology. <sup>(1)</sup>
Cable types	- Parallel 2x1mm <sup>2</sup> (for distances up to 100m) - Parallel 2x2,5mm <sup>2</sup> (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). <sup>(2)</sup>
Supply voltage	15Vcc

<sup>(1)</sup> The bus between the entrance panel and the handset lacks connection polarity. In video door entry system installations the wiring is 4 wires + coaxial

<sup>(2)</sup> In the case of video door entry system terminals, the wiring is 4 wires + coaxial

# 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

## CHARACTERISTICS TABLE

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

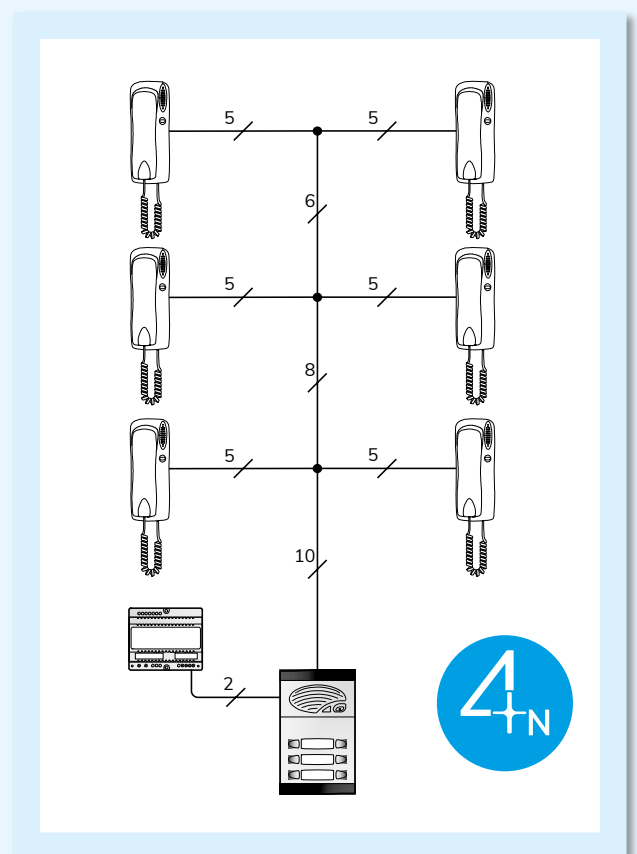
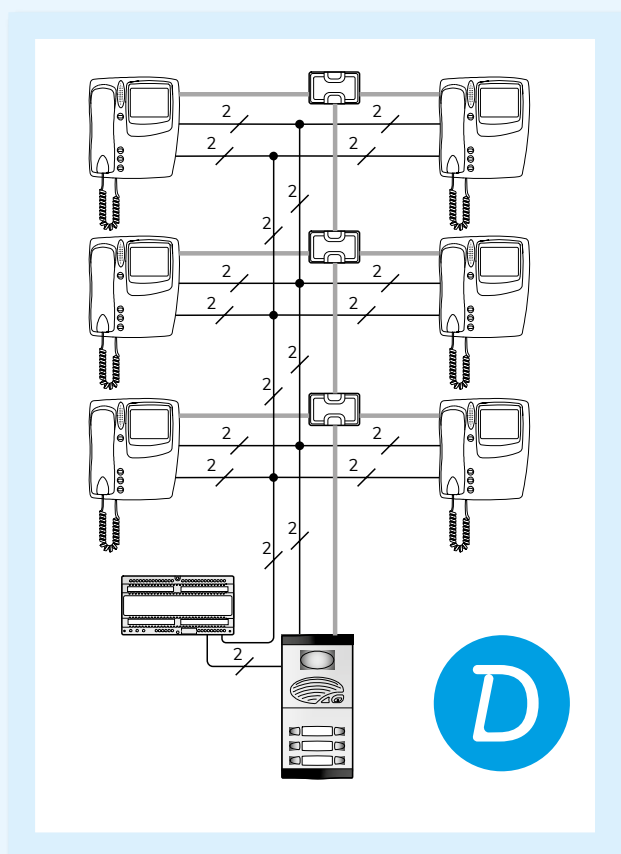
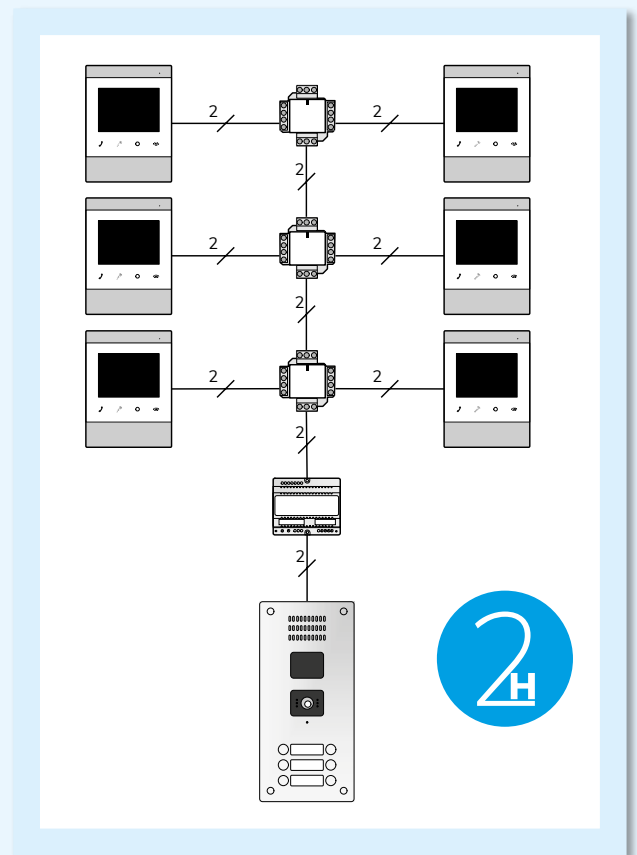
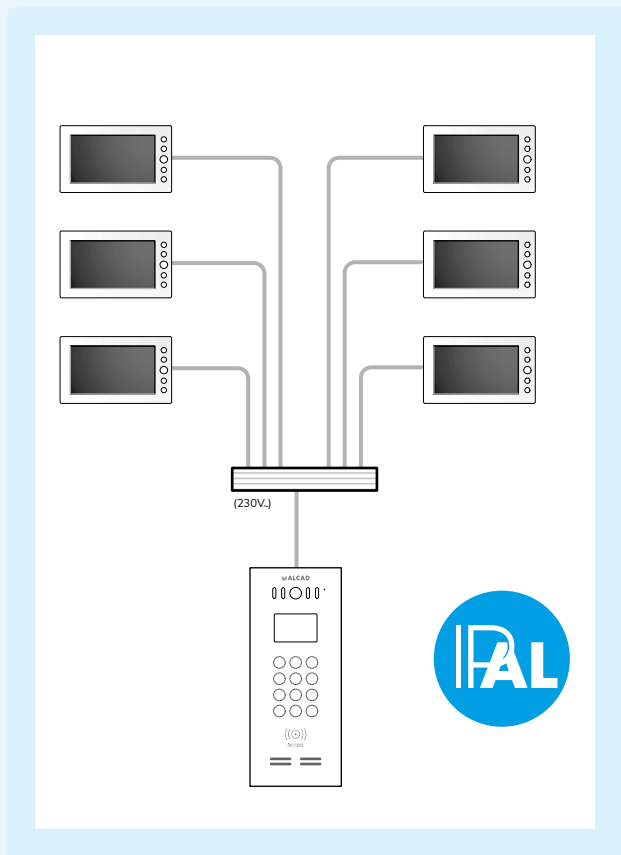
<sup>(1)</sup> N refers to the number of calls, or number of housings.

# Comparative of technologies

				
<b>Building</b> (Replacement using the existing wiring)		✓		✓
<b>Small buildings</b>	✓	✓	✓	✓
<b>Medium size buildings</b>	✓	✓	✓	
<b>Large size buildings</b>	✓			
<b>Maximum distance</b>	No limits	600m	200m	100m
<b>Cabling</b>	UTP Cat5	2 wires unpolarized	2 wires unpolarized <sup>(1)</sup>	4+N
<b>Number of apartments</b>	No limits	1.500	950	200
<b>Guard unit</b>	✓		✓	
<b>Integration with iACCESS system</b>	✓	✓	✓	✓
<b>Communication secret</b>	✓	✓	✓	✓  <sup>(2)</sup>
<b>Remote visitors call, door and home automation management</b>	✓ <sup>(4)</sup>			
<b>Indoor units with video and image capture</b>	✓	✓		
<b>Intercommunication</b>	✓ <sup>(5)</sup>			✓ <sup>(3)</sup>
<b>Integration of surveillance cameras</b>	✓			
<b>Integration of home automation functions</b>	✓			

- (1) The bus between entrance panel and phones lacks connection polarity. In video door entry installations the wiring is 4 wires + coaxial.
- (2) Available conventional system with GRF and telephones with secret and conventional system with phonic group and telephones without secret.
- (3) With TIN-001 telephones and GCI-001 intercom central.
- (4) Only for the KABI7 and KABI10 indoor units, downloading the APP "IPAL by ALCAD". Requires an internet connection service for each housing / office (not included in the system).
- (5) Bidirectional video and audio (indoor units: KABI7 and KABI10)

# Comparative of diagrams



# IPAL *(Shortly)*

## Indoor units



9630074  
MVC-230



9630078  
MVC-250

### / Colour monitors

CODE	MODEL	DESCRIPTION
9630074	<b>MVC-230</b>	White hands-free video intercom indoor unit KABI7. 7" colour screen
9630078	<b>MVC-250</b>	White hands-free video intercom indoor unit KABI10. 10" colour screen
9630080	<b>MCO-300</b>	KABI7" indoor monitor wired alarms connector (4 inputs)
9740227	<b>CME-020</b>	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	<b>PDK-20002</b>	White capacitive IPAL keypad entrance panel with integrated RFID reader
9740228	<b>CMO-702</b>	Flush box for IPAL entrance panel models <b>PDK-20001</b> and <b>PDK-20002</b>
9800171	<b>PDK-20003</b>	IPAL aluminum outdoor entrance panel with keypad and integrated RFID reader
9740229	<b>CMO-703</b>	Flush box for IPAL entrance panel model <b>PDK-20003</b>
9800160	<b>PDP-20011</b>	Vandalproof IPAL system entrance panel with 1 push-button
9690018	<b>LAC-020</b>	Set of 5 proximity keys for residents
9430075	<b>RFI-252</b>	RFID card MIFARE

# Home automation elements



9790014  
TER-000



9790002  
MEC-102



9790004  
MEC-300



9790013  
WSN-400



9790010  
WSN-500



9790012  
WSN-300



9790005  
MEC-200

## / Home automation elements

CODE	MODEL	DESCRIPTION
9790000	<b>MEC-100</b>	IPAL wireless touch dimmer device. Allows light intensity regulation
9790001	<b>MEC-101</b>	IPAL system wireless simple touch switch device to control 1 bulb or similar (max 2A/switch)
9790002	<b>MEC-102</b>	IPAL system wireless double touch switch device to control 2 bulbs or similar (max 2A/switch)
9790003	<b>MEC-103</b>	IPAL system wireless triple touch switch device to control 3 bulbs or similar (max 2A/switch)
9790005	<b>MEC-200</b>	IPAL wireless touch control mechanism for curtains, blinds... etc. Allows connectivity with KABI indoor units
9790006	<b>MEC-000</b>	IPAL system Wireless scene control panel
9790004	<b>MEC-300</b>	IPAL system European plug type F
9790015	<b>MEC-400</b>	IPAL wireless SOS button device
9790014	<b>TER-000</b>	IPAL Wi-Fi boiler thermostat ('IPALtherm' app)
9790007	<b>HAA-000</b>	Wireless sensor conversion interface IPAL system
9790008	<b>HAA-001</b>	RF repeater and amplifier for Home Automation. IPAL system
9790016	<b>PER-000</b>	IPAL SOS button pocket control
9790009	<b>WSN-100</b>	IPAL system. Wireless gas sensor
9790011	<b>WSN-200</b>	IPAL wireless flood sensor
9790012	<b>WSN-300</b>	IPAL wireless smoke sensor
9790013	<b>WSN-400</b>	IPAL wireless motion PIR sensor
9790010	<b>WSN-500</b>	IPAL wireless sensor for door / window

# Guard unit

/ Guard unit terminal

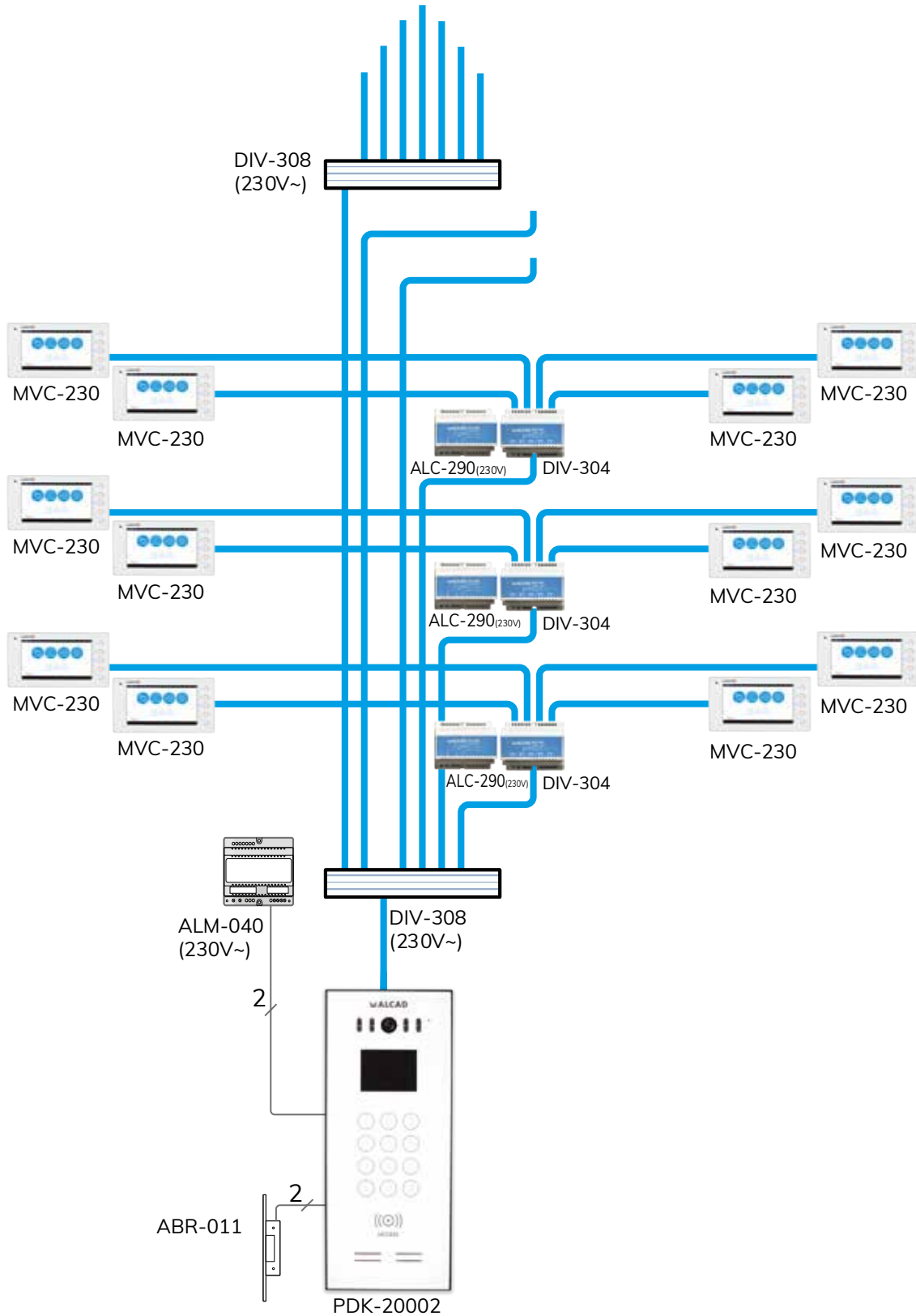
CODE	MODEL	DESCRIPTION
9680025	COV-200	IPAL 7" hands-free guard unit terminal

# 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



# 2 WIRES

## Indoor units

/ Monitors and handsets

MONITOR / HANDSET + SUPPORT			SCREEN	NO. OF ADDITIONAL PUSH-BUTTONS	AUTOMATIC IMAGE CAPTURE	AUTOMATIC DOOR OPENING	LANDING CALL	PHOTO
CODE	MODEL	DEFINITION						
9630075	MCV-140	Enara hands-free monitor with TFT screen	4"	1	✗	✓	✓	1
9630045 9630076	MVC-130 SCM-151	Hands-free monitor with TFT screen Indoor unit support	7"	2	✓	✓	✓	2
9630049 9630052	MVC-009 SCM-052	Indoor unit with TFT screen Indoor unit support	3,5"	2	✓	✓	✓	3
9630051 9630052	MVC-011 SCM-052	Indoor unit with TFT screen Indoor unit support	3,5"	2	✓	✓	✓	4
9630043 9630031	MVC-008 SCM-051	Indoor unit with TFT screen Indoor unit support	3,5"	2	✗	✓	✓	4
9630042 9630031	MVC-007 SCM-051	Indoor unit with TFT screen Indoor unit support	3,5"	2	✗	✓	✓	3
9600034	TET-002	Handset	✗	1	✗	✗	✗	5
9600036	TET-004	Handset	✗	3	✗	✓	✓	5
9600042	TET-302	Handset	✗	1	✗	✗	✓	5







9730049  
SSM-001



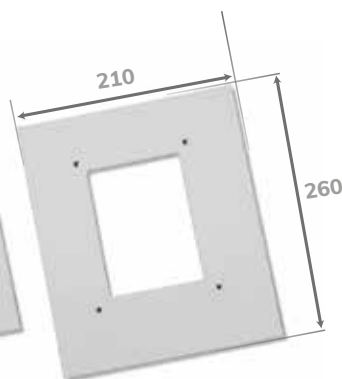
9730104  
MAE-401



9730105  
MAE-402



9730036  
MAE-002



9730034  
MAE-900

## / Decorative frames

### FOR ENARA MONITOR

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

### FOR MONITOR WITH HANDSET

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

### FOR HANDSET

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

### FOR MVC-130 MONITOR

CODE	MODEL	DESCRIPTION
9730090	MAE-003	Dimensions: 250x275mm
9730089	MAE-901	Made to measure *

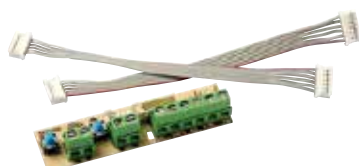
\* Made to measure in anodized aluminum.  
Order example (see photo): MAE-900 (210x260), decorative frame for monitor, with 210mm outside width and 260mm height.

## / Desktop support

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



9730098  
DIV-261



9730072  
APX-011



9730057  
ASC-051

## / 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

New

# Entrance panels iVANDAL

## / Entrance panels

VANDAL-PROOF, MADE OF STAINLESS STEEL WITH CAMERA, VOICE SYNTHESIZER, ACCESSIBILITY MODULE AND PUSH-BUTTONS

### SINGLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800161	PTS-60201	1
9800141	PTS-60202	2
9800162	PTS-60203	3
9800142	PTS-60204	4
9800163	PTS-60205	5
9800143	PTS-60206	6
9800164	PTS-60207	7
9800144	PTS-60208	8
9800165	PTS-60209	9
9800145	PTS-60210	10

### DOUBLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800166	PTD-60201	2 (1 double)
9800146	PTD-60202	4 (2 double)
9800167	PTD-60203	6 (3 double)
9800147	PTD-60204	8 (4 double)
9800168	PTD-60205	10 (5 double)
9800148	PTD-60206	12 (6 double)
9800169	PTD-60207	14 (7 double)
9800149	PTD-60208	16 (8 double)
9800170	PTD-60209	18 (9 double)
9800150	PTD-60210	20 (10 double)

! iVANDAL entrance panels do not include audio units (GRF). Order GRF separately.

## / Entrance panel extensions

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

### SINGLE PUSH-BUTTONS

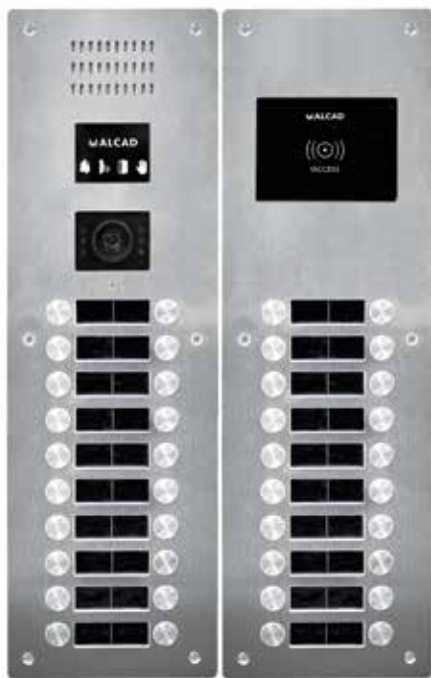
CODE	MODEL	PUSH-BUTTONS
9800173	PTS-61201	1
9800174	PTS-61202	2
9800175	PTS-61203	3
9800176	PTS-61204	4
9800177	PTS-61205	5
9800178	PTS-61206	6
9800179	PTS-61207	7
9800180	PTS-61208	8
9800181	PTS-61209	9
9800182	PTS-61210	10

### DOUBLE PUSH-BUTTONS

CODE	MODEL	PUSH-BUTTONS
9800183	PTD-61201	2 (1 double)
9800184	PTD-61202	4 (2 double)
9800185	PTD-61203	6 (3 double)
9800186	PTD-61204	8 (4 double)
9800187	PTD-61205	10 (5 double)
9800188	PTD-61206	12 (6 double)
9800189	PTD-61207	14 (7 double)
9800190	PTD-61208	16 (8 double)
9800191	PTD-61209	18 (9 double)
9800192	PTD-61210	20 (10 double)

## / Electronics 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



9800150  
PTD-60210

9800192  
PTD-61210



9800159  
PNB-600



9610044  
GRF-302



9690038  
CCA-004



9690035  
LPR-010



9740233  
MAR-602



9730103  
PPA-002

Mounting example: 20 push-button (10 double) entrance panel + 20 push-button (10 double) extension

## / iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690035	LPR-010	Entrance panel with integrated antenna
9690038	CCA-004	Central post. 1 door advanced management

For further information regarding the iACCESS system, see pages 64-67.

## / Audio units

CODE	MODEL	DESCRIPTION
9610044	GRF-302	Audio unit
9610048	GRF-304	Audio unit for external entrance panels

## / Induction loop module

CODE	MODEL	DESCRIPTION
9800159	PNB-600	Vandal-proof module
9770076	RVE-025	Module

## / Personalization

CODE	MODEL	DESCRIPTION
9800153	MLI-000	Laser marking for writing texts on iVANDAL entrance panel *

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

## / Flux-mounted boxes

CODE	MODEL	DESCRIPTION
9740226	CMO-201	For module
9740219	CMO-202	For 1 / 2 storeys
9740220	CMO-204	For 3 / 4 storeys
9740221	CMO-206	For 5 / 6 storeys
9740222	CMO-208	For 7 / 8 storeys
9740223	CMO-210	For 9 / 10 storeys
9740225	CEM-003	Separator

New

## / 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 *
9670188	MVN-960	Panel for independent camera

\* Custom dimensions on request.

# Entrance panels iBLACK



9660066  
PPS-52101

9660103  
PPD-52106

9660072  
PPS-52107

9660082  
PPS-52201

9660086  
PPS-52205

9660129  
PPD-52216

## / Entrance panels

PANELS WITH PUSH-BUTTONS  
AND WINDOW FOR MODULE

### SINGLE PUSH-BUTTONS. 1 WINDOW

CODE	MODEL	PUSH-BUTTONS
9660066	PPS-52101	1
9660067	PPS-52102	2
9660068	PPS-52103	3
9660069	PPS-52104	4
9660070	PPS-52105	5
9660071	PPS-52106	6
9660072	PPS-52107	7
9660073	PPS-52108	8
9660074	PPS-52109	9
9660075	PPS-52110	10
9660076	PPS-52111	11
9660077	PPS-52112	12
9660078	PPS-52113	13
9660079	PPS-52114	14
9660080	PPS-52115	15
9660081	PPS-52116	16

### SINGLE PUSH-BUTTONS. 2 WINDOWS

CODE	MODEL	PUSH-BUTTONS
9660082	PPS-52201	1
9660083	PPS-52202	2
9660084	PPS-52203	3
9660085	PPS-52204	4
9660086	PPS-52205	5
9660087	PPS-52206	6
9660088	PPS-52207	7
9660089	PPS-52208	8
9660090	PPS-52209	9
9660091	PPS-52210	10
9660092	PPS-52211	11
9660093	PPS-52212	12
9660094	PPS-52213	13
9660095	PPS-52214	14
9660096	PPS-52215	15
9660097	PPS-52216	16

### DOUBLE PUSH-BUTTONS. 1 WINDOW

CODE	MODEL	PUSH-BUTTONS
9660098	PPD-52101	2 (1 double)
9660099	PPD-52102	4 (2 double)
9660100	PPD-52103	6 (3 double)
9660101	PPD-52104	8 (4 double)
9660102	PPD-52105	10 (5 double)
9660103	PPD-52106	12 (6 double)
9660104	PPD-52107	14 (7 double)
9660105	PPD-52108	16 (8 double)
9660106	PPD-52109	18 (9 double)
9660107	PPD-52110	20 (10 double)
9660108	PPD-52111	22 (11 double)
9660109	PPD-52112	24 (12 double)
9660110	PPD-52113	26 (13 double)
9660111	PPD-52114	28 (14 double)
9660112	PPD-52115	30 (15 double)
9660113	PPD-52116	32 (16 double)

### DOUBLE PUSH-BUTTONS. 2 WINDOWS

CODE	MODEL	PUSH-BUTTONS
9660114	PPD-52201	2 (1 double)
9660115	PPD-52202	4 (2 double)
9660116	PPD-52203	6 (3 double)
9660117	PPD-52204	8 (4 double)
9660118	PPD-52205	10 (5 double)
9660119	PPD-52206	12 (6 double)
9660120	PPD-52207	14 (7 double)
9660121	PPD-52208	16 (8 double)
9660122	PPD-52209	18 (9 double)
9660123	PPD-52210	20 (10 double)
9660124	PPD-52211	22 (11 double)
9660125	PPD-52212	24 (12 double)
9660126	PPD-52213	26 (13 double)
9660127	PPD-52214	28 (14 double)
9660128	PPD-52215	30 (15 double)
9660129	PPD-52216	32 (16 double)

# / Entrance panels

## CONFIGURABLE MODULES WITH PUSH-BUTTONS

CODE	MODEL	DESCRIPTION
9660130	PPD-52900	1 to 8 storeys with window for entrance panel module *
9660131	PPD-52901	9 to 16 storeys with window for entrance panel module *
9660132	PPD-52902	1 to 8 storeys with windows for 2 entrance panel modules *
9660133	PPD-52903	9 to 16 storeys with windows for 2 entrance panel modules *
9660134	PPD-52904	3 to 10 storeys *
9660135	PPD-52905	11 to 18 storeys *

\* For order examples, see pages 74 and 75.



# / Audio unit

CODE	MODEL	DESCRIPTION
9670164	MAN-500	Audio unit module *
9670168	MAN-501	Audio unit module for external entrance *

\* Includes speaker and microphone module.

# / Camera

CODE	MODEL	DESCRIPTION
9670178	MVN-508	Video unit module
9679101	MVN-908	Compact panel

# / iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690030	LPR-500	Module with iACCESS proximity reader
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



New

For further information regarding the iACCESS system, see pages 64-67.

# / Modules: cardholder and blind

CODE	MODEL	DESCRIPTION
9670165	MTN-500	Cardholder module
9670166	MLN-500	Blind module

# / Entrance panels

## ALPHANUMERIC KEYBOARD

CODE	MODEL	DESCRIPTION
9800116	PDK-51910	With audio unit, generic colour video unit, TFT screen, electronic directory and keypad
9800115	PDK-54910	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





9740010  
CMO-012



9740004  
CEM-001



9740195  
MAR-511

## / Flux-mounted boxes

CODE	MODEL	DESCRIPTION
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. 2 windows
9740004	CEM-001	Separators (2 units)
9740208	CEM-002	Vertical separator

## / Panel extensions

CODE	MODEL	DESCRIPTION
9740195	MAR-511	1 / 2 storeys, 236x334mm
9740196	MAR-512	3 / 4 storeys, 236x382mm
9740197	MAR-513	5 / 6 storeys, 236x430mm
9740198	MAR-514	7 / 8 storeys, 236x478mm
9740199	MAR-515	9 / 10 storeys, 236x526mm
9740200	MAR-516	11 / 12 storeys, 236x574mm
9740201	MAR-517	13 / 14 storeys, 236x622mm
9740202	MAR-518	15 / 16 storeys, 236x670mm
9740203	MAR-519	15 / 16 storeys. 2 windows

## / Surface boxes

CODE	MODEL	DESCRIPTION
9740186	CSU-511	1 / 2 storeys
9740187	CSU-512	3 / 4 storeys
9740188	CSU-513	5 / 6 storeys
9740189	CSU-514	7 / 8 storeys
9740190	CSU-515	9 / 10 storeys
9740191	CSU-516	11 / 12 storeys
9740192	CSU-517	13 / 14 storeys
9740193	CSU-518	15 / 16 storeys
9740194	CSU-519	15 / 16 storeys. 2 windows
9740172	CSU-000	Separator



9740187  
CSU-512



9740191  
CSU-516

## / 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

# Entrance panels 201 Line



9670182  
MAN-420



9670183  
MDN-420



9670189  
MMN-420



9670186  
MVN-920



9800006  
PNK-00000

## / Upper modules

WITH AUDIO UNIT, CAMERA, CARDHOLDER OR iACCESS

### SINGLE MODULES

CODE	MODEL	DESCRIPTION
9670182	MAN-420	Audio unit
9670187	MVN-408	Camera
9690034	LPR-200	iACCESS cardholder
9670018	MTN-000	Cardholder
9670021	MLN-000	Blank

### DOUBLE MODULES

CODE	MODEL	DESCRIPTION
9670183	MDN-420	Audio unit and camera *
9670190	MDN-421	Camera and audio unit *
9670189	MMN-420	Audio unit and iACCESS cardholder *
9670086	MLT-000	Blank and cardholder *

### TRIPLE MODULES

CODE	MODEL	DESCRIPTION
9670184	MDT-420	Audio unit, camera and iACCESS cardholder *
9670191	MDT-421	Camera, audio unit and iACCESS cardholder *

\* The definition refers to the order, from bottom to top, in which the elements are arranged.

## / Compact entrance panels

WITH CAMERA OR KEYPAD FOR ACCESS CONTROL

CODE	MODEL	DESCRIPTION
9670186	MVN-920	Camera
9800006	PNK-00000	Keypad for access control

## / iACCESS RFID READER

CODE	MODEL	DESCRIPTION
9690034	LPR-200	iACCESS cardholder
9670184	MDT-420	Audio unit, camera and iACCESS cardholder *
9670191	MDT-421	Camera, audio unit and iACCESS cardholder *
9690038	CCA-004	Advanced management central post
9770083	RVE-032	iACCESS antenna for cardholder

\* The definition refers to the order, from bottom to top, in which the elements are arranged.

For further information regarding the iACCESS system, see pages 64-67.



9670184  
MDT-420

9670191  
MDT-421



/ Lower modules  
WITH PUSH-BUTTONS

**SINGLE PUSH-BUTTONS**

CODE	MODEL	PUSH-BUTTONS
9660146	MPS-101	1
9660147	MPS-102	2
9660160	MPS-103	3
9660148	MPS-104	4
9660161	MPS-105	5
9660149	MPS-106	6
9660162	MPS-107	7
9660150	MPS-108	8
9660163	MPS-109	9
9660164	MPS-110	10
9660165	MPS-111	11
9660166	MPS-112	12
9660167	MPS-113	13
9660168	MPS-114	14
9660169	MPS-115	15
9660170	MPS-116	16

**DOUBLE PUSH-BUTTONS**

CODE	MODEL	PUSH-BUTTONS
9660171	MPD-101	2 (1 double)
9660151	MPD-102	4 (2 double)
9660152	MPD-103	6 (3 double)
9660153	MPD-104	8 (4 double)
9660154	MPD-105	10 (5 double)
9660155	MPD-106	12 (6 double)
9660172	MPD-107	14 (7 double)
9660156	MPD-108	16 (8 double)
9660173	MPD-109	18 (9 double)
9660157	MPD-110	20 (10 double)
9660174	MPD-111	22 (11 double)
9660175	MPD-112	24 (12 double)
9660176	MPD-113	26 (13 double)
9660177	MPD-114	28 (14 double)
9660178	MPD-115	30 (15 double)
9660179	MPD-116	32 (16 double)

New

**CONFIGURABLE PUSH-BUTTONS**

CODE	MODEL	STOREYS
9660158	MPD-902	1 to 8 *
9660159	MPD-903	9 to 16 *

\* For order examples, see page 71.



9660158  
MPD-902

9660159  
MPD-903





## / Electronic accessories

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

New

## / Flux-mounted boxes

CODE	MODEL	STOREYS
9740005	<b>CMO-002</b>	1 / 2 storeys
9740006	<b>CMO-004</b>	3 / 4 storeys
9740007	<b>CMO-006</b>	5 / 6 storeys
9740008	<b>CMO-008</b>	7 / 8 storeys
9740009	<b>CMO-010</b>	9 / 10 storeys
9740010	<b>CMO-012</b>	11 / 12 storeys
9740011	<b>CMO-014</b>	13 / 14 storeys
9740012	<b>CMO-016</b>	15 / 16 storeys
9740015	<b>CMO-018</b>	15 / 16 storeys and double upper module
9740004	<b>CEM-001</b>	Separators (2 units)
9740208	<b>CEM-002</b>	Vertical separator

## / Frames and trims

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

\* Made to measure in anodized aluminum. Order example (see photo): MAR-900 (010, 210, 260), single entrance panel decorative frame, for CMO-010 flux-mounted box, with 210mm outer width and height of 260mm. For order examples, see page 73.

## / Surface boxes

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

## / Angular surface boxes

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



9740109  
VIS-111



9740119  
VIS-122



9740128  
VIS-132



9740133  
VIS-137



9740138  
VIS-213



9740143  
VIS-218

## / Rain-shields

### FOR FLUSH-MOUNTED BOXES

SINGLE RAIN-SHIELDS		
CODE	MODEL	STOREYS
9740109	<b>VIS-111</b>	1 / 2
9740110	<b>VIS-112</b>	3 / 4
9740111	<b>VIS-113</b>	5 / 6
9740112	<b>VIS-114</b>	7 / 8
9740113	<b>VIS-115</b>	9 / 10
9740114	<b>VIS-116</b>	11 / 12
9740115	<b>VIS-117</b>	13 / 14
9740116	<b>VIS-118</b>	15 / 16
9740117	<b>VIS-119</b>	15 / 16 and double upper module

DOUBLE RAIN-SHIELDS		
CODE	MODEL	STOREYS
9740118	<b>VIS-121</b>	1 / 2
9740119	<b>VIS-122</b>	3 / 4
9740120	<b>VIS-123</b>	5 / 6
9740121	<b>VIS-124</b>	7 / 8
9740122	<b>VIS-125</b>	9 / 10
9740123	<b>VIS-126</b>	11 / 12
9740124	<b>VIS-127</b>	13 / 14
9740125	<b>VIS-128</b>	15 / 16
9740126	<b>VIS-129</b>	15 / 16 and double upper module

TRIPLE RAIN-SHIELDS		
CODE	MODEL	STOREYS
9740127	<b>VIS-131</b>	1 / 2
9740128	<b>VIS-132</b>	3 / 4
9740129	<b>VIS-133</b>	5 / 6
9740130	<b>VIS-134</b>	7 / 8
9740131	<b>VIS-135</b>	9 / 10
9740132	<b>VIS-136</b>	11 / 12
9740133	<b>VIS-137</b>	13 / 14
9740134	<b>VIS-138</b>	15 / 16
9740135	<b>VIS-139</b>	15 / 16 and double upper module

### FOR SURFACE BOXES

SINGLE RAIN-SHIELDS		
CODE	MODEL	STOREYS
9740136	<b>VIS-211</b>	1 / 2
9740137	<b>VIS-212</b>	3 / 4
9740138	<b>VIS-213</b>	5 / 6
9740139	<b>VIS-214</b>	7 / 8
9740140	<b>VIS-215</b>	9 / 10
9740141	<b>VIS-216</b>	11 / 12
9740142	<b>VIS-217</b>	13 / 14
9740143	<b>VIS-218</b>	15 / 16
9740144	<b>VIS-219</b>	15 / 16 and double upper module

DOUBLE RAIN-SHIELDS		
CODE	MODEL	STOREYS
9740145	<b>VIS-221</b>	1 / 2
9740146	<b>VIS-222</b>	3 / 4
9740147	<b>VIS-223</b>	5 / 6
9740148	<b>VIS-224</b>	7 / 8
9740149	<b>VIS-225</b>	9 / 10
9740150	<b>VIS-226</b>	11 / 12
9740151	<b>VIS-227</b>	13 / 14
9740152	<b>VIS-228</b>	15 / 16
9740153	<b>VIS-229</b>	15 / 16 and double upper module

TRIPLE RAIN-SHIELDS		
CODE	MODEL	STOREYS
9740154	<b>VIS-231</b>	1 / 2
9740155	<b>VIS-232</b>	3 / 4
9740156	<b>VIS-233</b>	5 / 6
9740157	<b>VIS-234</b>	7 / 8
9740158	<b>VIS-235</b>	9 / 10
9740159	<b>VIS-236</b>	11 / 12
9740160	<b>VIS-237</b>	13 / 14
9740161	<b>VIS-238</b>	15 / 16
9740162	<b>VIS-239</b>	15 / 16 and double upper module

# Entrance panels

## Vandal-proof made to measure

CODE	MODEL	DESCRIPTION
9800133	PLE-003	With push-buttons

These entrance panels by ALCAD are adapted to the needs of the installation, with a customized configuration both in the location of the push-buttons and in the size of the complete entrance panel – recording the name of the building on the same entrance panel is also permitted. All of them made of stainless steel.

Check with your sales representative to get your quote.



# Electric locks



## / Flush electric locks

### WITH ADJUSTABLE LATCH

COMPACT SIZE		
CODE	MODEL	DESCRIPTION
9730087	ABR-021	Simple 12-18V AC/DC
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



New

# Power supply units, splitters and regenerators

## / Power supply units

### AND VOLTAGE REGENERATOR

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

## / Tap-offs

### 1 OR 4 OUTPUTS FOR INDOOR UNITS AND THROUGH

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

 New

## / Splitters

### BIDIRECTIONAL SPLITTERS. 2 OR 4 LINES

CODE	MODEL	DESCRIPTION
9730082	<b>DIV-152</b>	2 lines
9730071	<b>DIV-154</b>	4 lines

## / Regenerators

### SIGNAL AMPLIFIERS

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

## / Housing estate accessories

CODE	MODEL	DESCRIPTION
9650025	<b>GCO-001</b>	Control unit for building
9730084	<b>DIV-041</b>	Entrance panel tap-off

## / Cables

### RECOMMENDED (OPTIMIZED SCREENED SLEEVED CABLE)

CODE	MODEL	DESCRIPTION
9750009	<b>CAB-307</b>	2x1 mm <sup>2</sup> (by 100m coils)
9750010	<b>CAB-357</b>	2x1 mm <sup>2</sup> (500m coils)

### SMALL FACILITIES (SLEEVED CABLE)

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



9650004  
ALS-020



9730098  
DIV-261



9730102  
DIV-464



9650022  
REG-054



9730079  
DIV-061

9750009  
CAB-307



9750005  
CAB-007



# Standard quotes and diagrams iVANDAL

## STANDARD QUOTE. 1 ACCESS POINT

No OF HOMES	Model																				
	MVC-140	PTS-60203	PTD-60203	PTD-60204	PTD-60205	PTD-60206	PTD-60208	PTS-61204	PTS-61205	PTD-61204	PTD-61205	GRF-302	ALS-020	DIV-061	DIV-464	RVE-017	CEM-003	CMO-204	CMO-206	CMO-208	ABR-011
1x3	3	1									1	1	1	3		1	1	1			1
2x3	6	1									1	1	3		3		1	1			1
2x4	8		1								1	1	4		4		1	1			1
2x5	10			1							1	1	5		5			1	1		1
2x6*	12				1						1	1	6		6			1	1		1
3x4	12		1			1					1	1	4		4	1	2				1
3x5	15			1			1				1	1	5		5	1	2	1			1
3x6	18				1			1			1	1	6		6	1	2	1			1
4x4	16		1					1			1	1	4		4	1	2				1
4x5	20			1					1		1	1	5		5	1	2	1			1
4x12	48					1					2	1	12		12	2					3

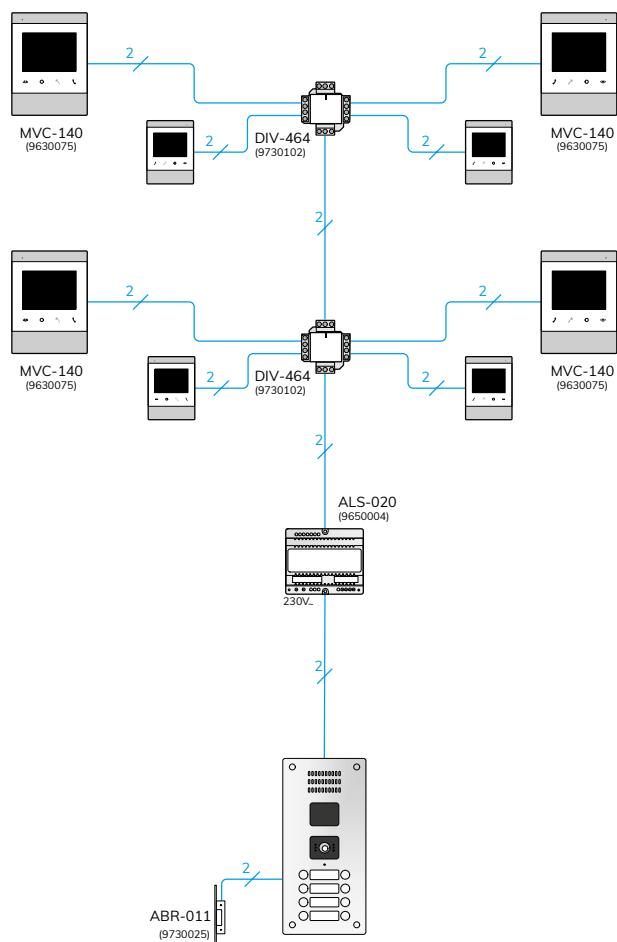
\* Installation for 2 homes per storey and 6 storeys.

## STANDARD QUOTE. 2 ACCESS POINTS

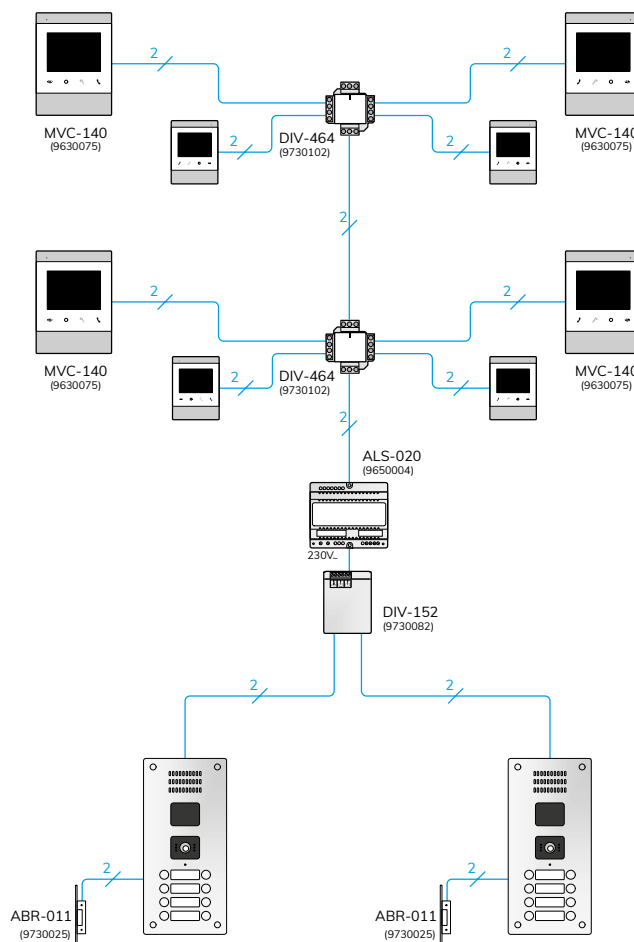
No OF HOMES	Model																				
	MVC-140	PTS-60203	PTD-60203	PTD-60204	PTD-60205	PTD-60206	PTD-60208	PTS-61204	PTS-61205	PTD-61204	PTD-61205	GRF-302	ALS-020	DIV-061	DIV-464	RVE-017	DIV-152	CEM-003	CMO-204	CMO-206	CMO-208
1x3	3	2										2	1	3		1	1	2			2
2x3	6	2										2	1	3		3	1	2			2
2x4	8		2									2	1	4		4	1	2			2
2x5	10			2								2	1	5		5	1	2			2
2x6*	12				2							2	1	6		6	1	2			2
3x4	12		2			2						2	1	4		4	1	2	4		2
3x5	15			2			2					2	1	5		5	1	2	4		2
3x6	18				2			2				2	1	6		6	1	2	4		2
4x4	16		2					2				2	1	4		4	1	2	4		2
4x5	20			2					2			2	1	5		5	1	2	4		2
4x12	48					2						4	2	1		12	1	4			6

\* Installation for 2 homes per storey and 6 storeys.

## DIAGRAM. 1 ACCESS POINT



## DIAGRAM. 2 ACCESS POINTS



# Standard quotes and diagrams iBLACK

## STANDARD QUOTE. 1 ACCESS POINT

No OF HOMES	Model																							
	MVC-140	MVN-508	MAN-500	PPS-52203	PPS-52104	PPS-52105	PPD-52104	PPD-52105	PPD-52106	PPD-52112	PPD-52203	PPD-52204	PPD-52205	PPD-52206	ALS-020	DIV-061	DIV-464	RVE-017	CEM-001	CMO-004	CMO-006	CMO-008	CMO-012	ABR-011
1x3	3	1	1	1											1	3	1			1				1
2x3	6	1	1								1				1	3				1				1
2x4	8	1	1								1				1	4				1				1
2x5	10	1	1									1			1	5								1
2x6*	12	1	1										1		1	6								1
3x4	12	1	1	1	1										1	4		1	2					1
3x5	15	1	1		1	1									1	5		1	2					1
3x6	18	1	1		1	1									1	6		1	2					1
4x4	16	1	1			2									1	4		1	2					1
4x5	20	1	1			2									1	5		1	2					1
4x12	48	1	1							2					1	12		1						2

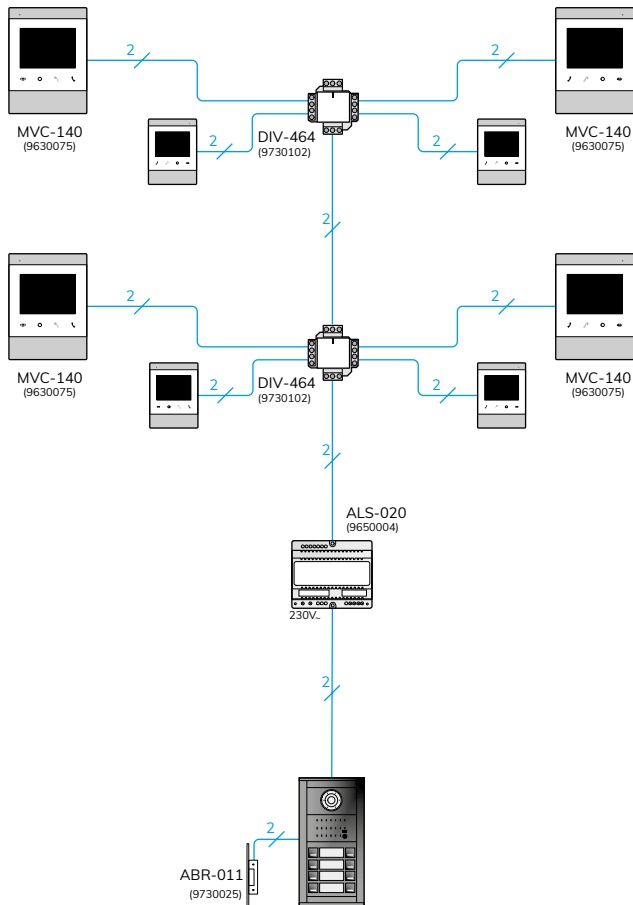
\* Installation for 2 homes per storey and 6 storeys.

## STANDARD QUOTE. 2 ACCESS POINTS

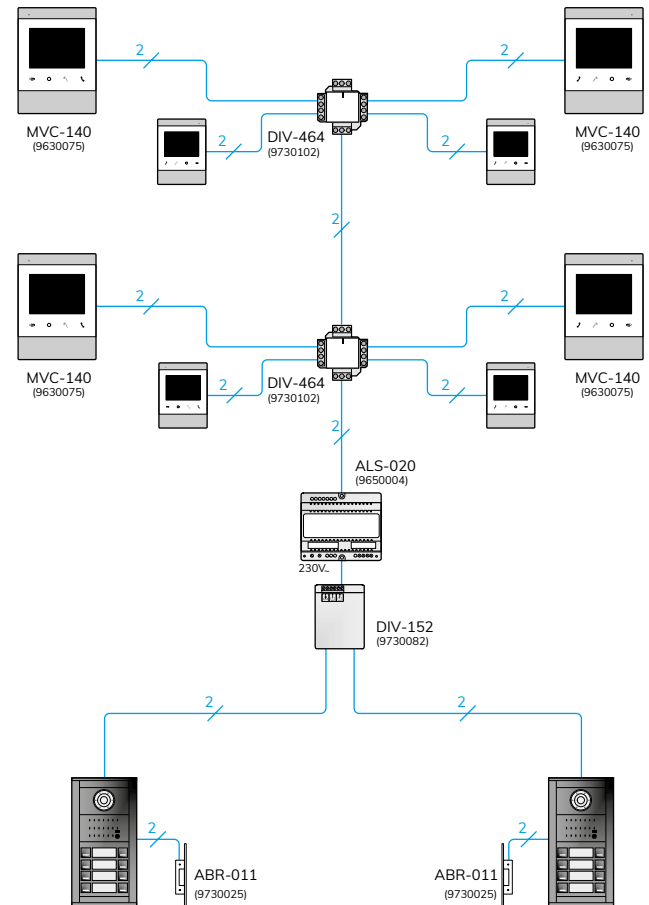
No OF HOMES	Model																								
	MVC-140	MVN-508	MAN-500	PPS-52203	PPS-52104	PPS-52105	PPD-52104	PPD-52105	PPD-52106	PPD-52112	PPD-52203	PPD-52204	PPD-52205	PPD-52206	ALS-020	DIV-061	DIV-464	RVE-017	DIV-152	CEM-001	CMO-004	CMO-006	CMO-008	CMO-012	ABR-011
1x3	3	2	2	2											1	3		1	1				2		2
2x3	6	2	2									2			1	3		1	1			2			2
2x4	8	2	2										2		1	4		1	1			2			2
2x5	10	2	2											2	1	5		1	1			2			2
2x6*	12	2	2												2	1	6		1			2			2
3x4	12	2	2	2	2		2								1	4		1	2	4					2
3x5	15	2	2		2	2		2							1	5		1	2	4					2
3x6	18	2	2		2	2		2							1	6		1	2	4					2
4x4	16	2	2			4									1	4		1	2	4					2
4x5	20	2	2			4		4							1	5		1	2	4					2
4x12	48	2	2							4					1	12		1	2						4

\* Installation for 2 homes per storey and 6 storeys.

## DIAGRAM. 1 ACCESS POINT



## DIAGRAM. 2 ACCESS POINTS



# Standard quotes and diagrams L201

DIAGRAM. 1 ACCESS POINT

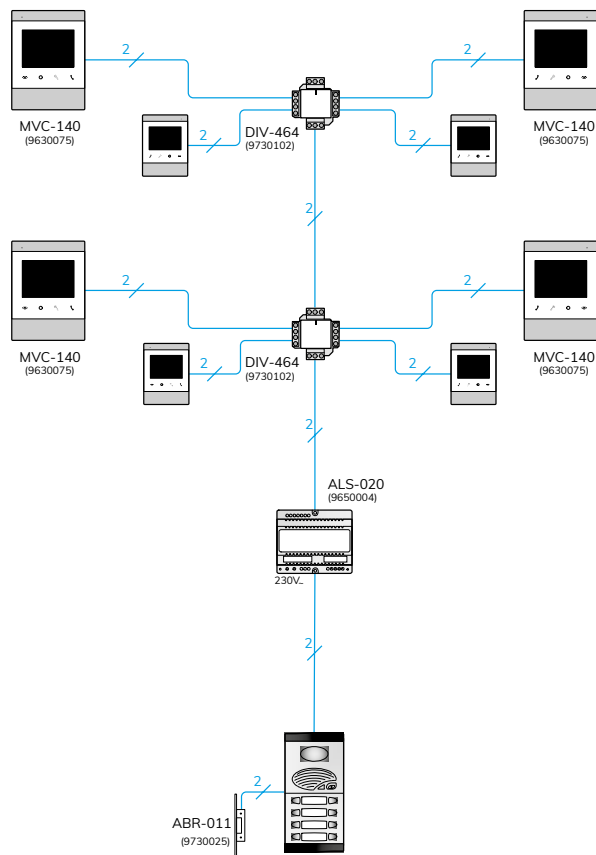
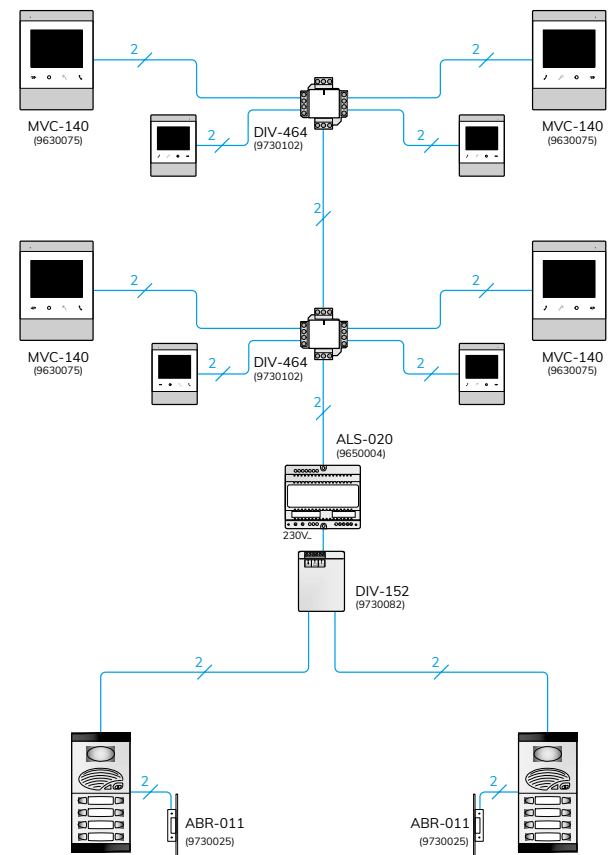


DIAGRAM. 2 ACCESS POINTS



STANDARD QUOTE. 1 ACCESS POINT

	Model																				
	MVC-140	MDN-420	MAN-420	MVN-408	MPS-103	MPS-105	MPS-106	MPD-104	MPD-105	MPD-106	MPD-112	ALS-020	DIV-061	DIV-464	RVE-017	CEM-001	CMO-004	CMO-006	CMO-008	CMO-012	ABR-011
1x3	3	1		1								1	3	1			1				1
2x3	6	1					1					1	3				1				1
2x4	8	1						1				1	4				1				1
2x5	10	1							1			1	5				1				1
2x6*	12	1								1		1	6				1				1
3x4	12	1	1	1				1				1	4		1	2					1
3x5	15	1	1		1			1				1	5		1	2					1
3x6	18	1	1			1		1				1	6		1	2					1
4x4	16	1	1						2			1	4		1	2					1
4x5	20	1	1							2		1	5		1	2					1
4x12	48	1	1								2	1	12		1						2

\* Installation for 2 homes per storey and 6 storeys.

STANDARD QUOTE. 2 ACCESS POINTS

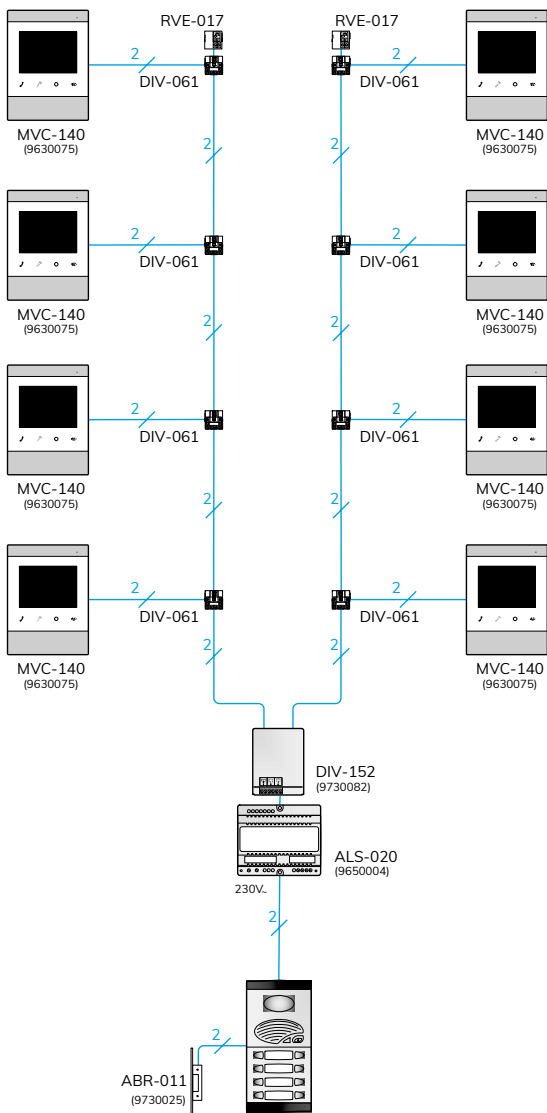
	Model																				
	MVC-140	MDN-420	MAN-420	MVN-408	MPS-103	MPS-105	MPS-106	MPD-104	MPD-105	MPD-106	MPD-112	ALS-020	DIV-061	DIV-464	RVE-017	CEM-001	CMO-004	CMO-006	CMO-008	CMO-012	ABR-011
1x3	3	2			2							1	3	1	1			2			2
2x3	6	2						2				1	3	1	1			2			2
2x4	8	2							2			1	4	1	1			2			2
2x5	10	2								2		1	5	1				2			2
2x6*	12	2										2	6	1				2			2
3x4	12	2	2	2	2			2				1	4	1	2	4					2
3x5	15	2	2		2			2				1	5	1	2	4					2
3x6	18	2	2			2		2				1	6	1	2	4					2
4x4	16	2	2						4			1	4	1	2	4					2
4x5	20	2	2							4		1	5	1	2	4					2
4x12	48	2	2								4	1	12	1	2						4

\* Installation for 2 homes per storey and 6 storeys.

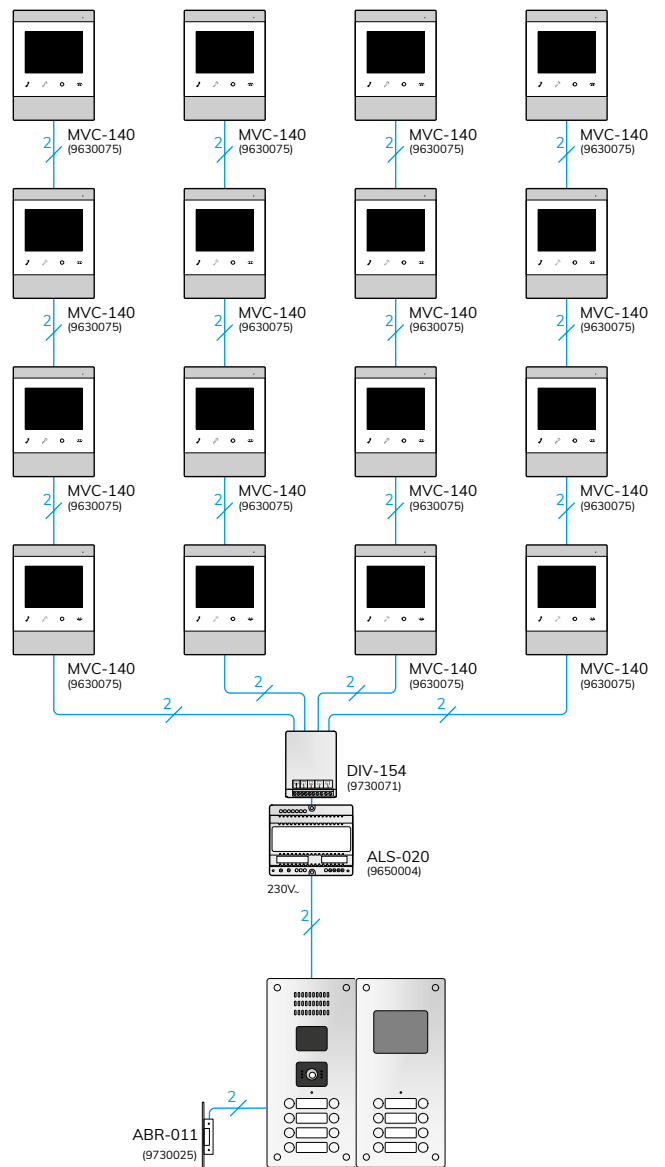
# Diagrams

## 2 Wires

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

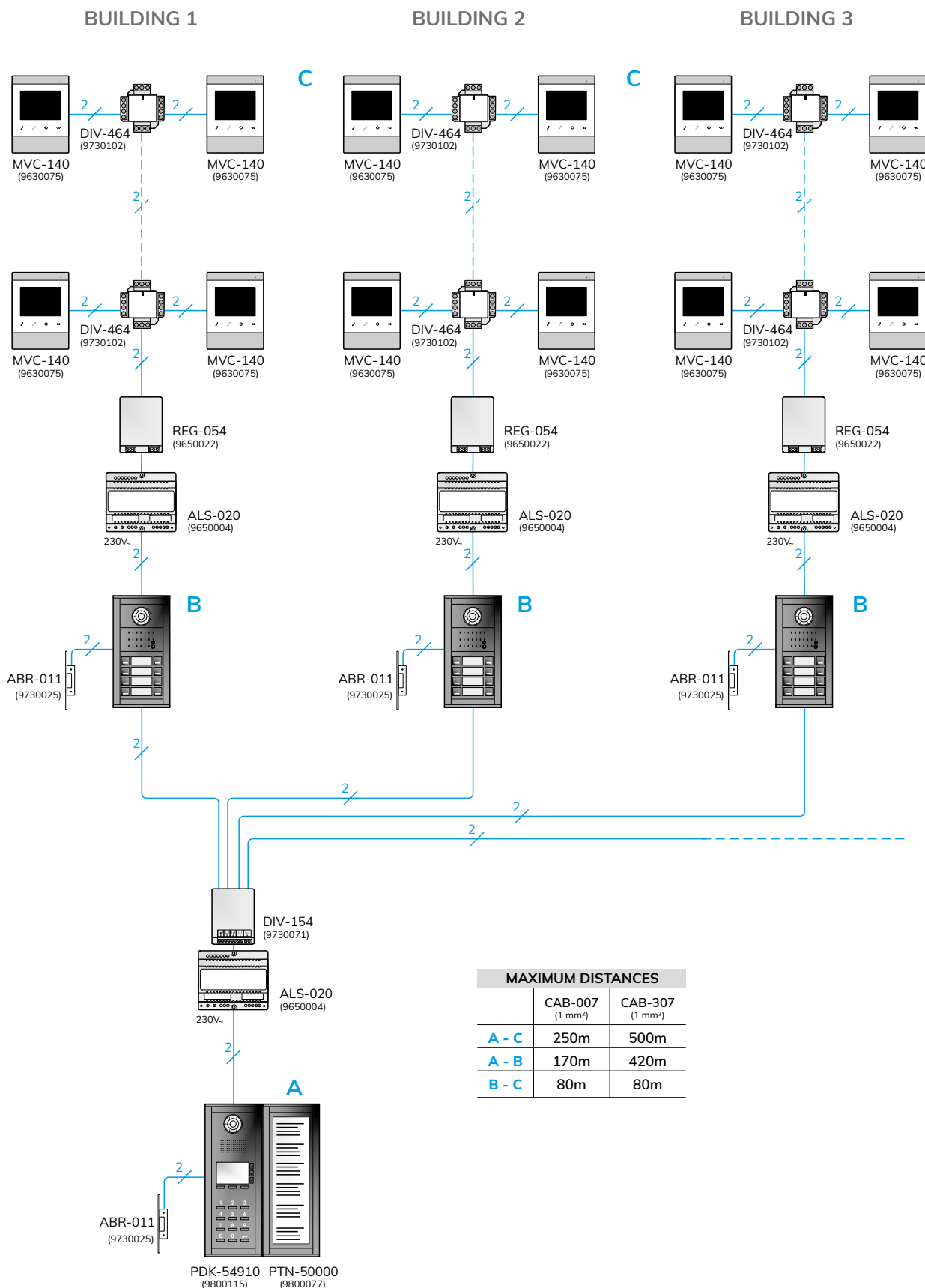


STANDARD DIAGRAM.  
BUILDING WITH 2 BACKBONES AND  
MONITORS IN CASCADE MODE  
CONFIGURATION





# STANDARD DIAGRAM. HOUSING ESTATE WITH EXTERNAL ACCESS



MAXIMUM DISTANCES		
	CAB-007 (1 mm <sup>2</sup> )	CAB-307 (1 mm <sup>2</sup> )
<b>A - C</b>	250m	500m
<b>A - B</b>	170m	420m
<b>B - C</b>	80m	80m

# DIGITAL

## Indoor units



9600007  
TED-001



9600010  
TED-002

### / DIGITAL handsets

WITH ELECTRONIC CALL AND PRIVACY OF COMMUNICATION

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



9630008  
MVC-002



9630004  
SCM-030

### / DIGITAL monitor

WITH COLOUR SCREEN, ELECTRONIC CALL AND PRIVACY OF COMMUNICATION

CODE	MODEL	DESCRIPTION
9630008	MVC-002	4 push-buttons
9630004	SCM-030	Desktop support

## / 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



9730049  
SSM-001



9730019  
AAL-200



9730060  
APX-001

## / Electronics 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
9730060	APX-001	Kit which lets you add two extra push-buttons to the handset
9730061	AAL-130	Accessory for receiving calls from the landing on the handset

# Guard unit



## / Guard unit terminals

CODE	MODEL	DESCRIPTION
9800012	<b>PAK-03020</b>	Guard unit panel with digital audio unit, numeric display and numeric keypad
9680008	<b>TCD-001</b>	Handset for DIGITAL guard unit system with electronic call and privacy of conversation
9680015	<b>MCC-002</b>	Indoor unit for guard unit system, colour
9680016	<b>SCC-030</b>	Indoor unit connection bracket for digital guard unit system with connections for coaxial cable



## / Supports for guard units

CODE	MODEL	DESCRIPTION
9730054	<b>SSC-001</b>	Desktop support for guard unit with handset
9730056	<b>SSC-002</b>	Desktop support for guard unit with indoor unit
9740008	<b>CMO-008</b>	Flush-mounted box
9740103	<b>CSU-214</b>	Surface box

## / Selector switch accessories

### FOR PUSH-BUTTONS OF THE GUARD UNIT HANDSET / MONITOR

CODE	MODEL	DESCRIPTION
9730021	<b>ASC-050</b>	Relay 1 circuit
9730023	<b>ASC-001</b>	Relay 2 circuits

# Entrance panels 201 Line



9800033  
PAK-41000



9800036  
PDK-41500



9800002  
PTN-00000



9670144  
MAN-470



9670153  
MDN-472



9670154  
MDT-472



9660001  
MPS-004



9660050  
MPD-003



9660054  
MPD-007



9660062  
MPD-015

## / 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
9800041	PDK-42500	Audio and video, for building
9800042	PDK-44500	Audio and video, 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
9800036	PDK-41500	Audio and video
9800002	PTN-00000	With directory

## / Entrances panels with push-buttons

### UPPER MODULES WITH AUDIO UNIT, CAMERA, CARDHOLDER OR iACCESS

#### SINGLE MODULE

CODE	MODEL	DESCRIPTION
9670144	MAN-470	Audio unit
9670045	MVN-302	Camera
9690034	LPR-200	iACCESS cardholder
9670018	MTN-000	Cardholder
9670021	MLN-000	Blank

#### DOUBLE MODULE

CODE	MODEL	DESCRIPTION
9670153	MDN-472	Audio unit and camera
9670146	MCN-470	Audio unit and blank
9670145	MMN-470	Audio unit and cardholder
9670086	MLT-000	Cardholder and blank

#### TRIPLE MODULE


CODE	MODEL	DESCRIPTION
9670154	MDT-472	Audio unit, camera and cardholder

#### ELECTRONIC MODULES

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

## / iACCESS RFID READER

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

 **New** For further information regarding the iACCESS system, see pages 64-67.

## / Compact entrance panels

### WITH CAMERA OR KEYPAD FOR ACCESS CONTROL

CODE	MODEL	DESCRIPTION
9670107	MVN-905	Camera
9800006	PNK-00000	Keypad for access control

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

#### 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 70.  
\*\* For order examples, see page 72.

## / Flux-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)

NOTE: surface boxes, rain-shields, frames and trims, see section 'Entrance panels-201 Line' on pages 41 and 42.



9740006  
CMO-004



9730103  
PPA-002



9740010  
CMO-012



9730030  
COL-000

## / Electronic accessories

CODE	MODEL	DESCRIPTION
9730006	APC-001	Common door: activates the same door opener from several entrance panels
9730021	ASC-050	Relay for maneuvers with special openers and other functions
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

New

# Entrance panels

## Vandal-proof made to measure

CODE	MODEL	DESCRIPTION
9800132	PLE-002	With push-buttons

These entrance panels by ALCAD are adapted to the needs of the installation, with a customized configuration both in the location of the push-buttons and in the size of the complete entrance panel – recording the name of the building on the same entrance panel is also permitted. All of them made of stainless steel.

Check with your sales representative to get your quote.



# Electric locks

## / Flush electric locks

WITH ADJUSTABLE LATCH

COMPACT SIZE		
CODE	MODEL	DESCRIPTION
9730087	<b>ABR-021</b>	Simple 12-18V AC/DC
9730025	<b>ABR-011</b>	Simple 15V DC
9730007	<b>ABR-013</b>	Automatic 15V DC
9730008	<b>ABR-014</b>	Automatic and manual release 15V DC
9730085	<b>ABR-019</b>	Fail safe 15V DC

STANDARD SIZE		
CODE	MODEL	DESCRIPTION
9730062	<b>ABR-015</b>	Simple 15V DC
9730064	<b>ABR-017</b>	Automatic 15V DC
9730065	<b>ABR-018</b>	Automatic and manual release 15V DC

## / Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

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

## / Accessories

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

 New

# Power supply units and splitters

## / Power supply units

TAP-OFFS AND SPLITTERS

CODE	MODEL	DESCRIPTION
9620014	<b>ALC-070</b>	15VDC 3A power supply
9620011	<b>ALM-040</b>	25 VA, 12VAC & 15VDC power supply
9620001	<b>ALA-040</b>	25 VA, 12VAC power supply
9730055	<b>AIB-001</b>	Accessory for installations with keypad in buildings with more than 150 houses
9650001	<b>GCI-001</b>	Control unit for <b>AIB-001</b> in video intercom installations or with guard unit
9730031	<b>DIV-024</b>	Amplified video tap-off for coaxial cable with screw terminal. 4 outputs
9730032	<b>DIV-124</b>	Amplified video splitter for coaxial cable with screw terminal. 4 outputs

## / Cables

RECOMMENDED CABLE (SLEEVED)

CODE	MODEL	DESCRIPTION
9750005	<b>CAB-007</b>	2x1 mm <sup>2</sup> (by 100m coils)
9100021	<b>CE-753</b>	7 mm coaxial, 17dB/100m 800 MHz (by 100m coils)



9620011  
ALM-040



9730055  
AIB-001

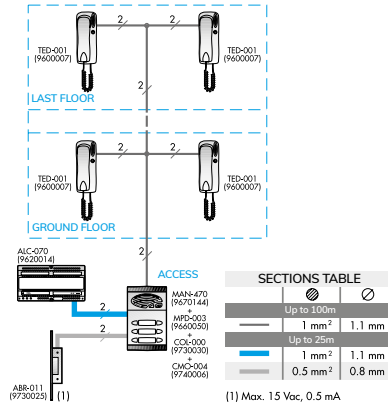
# Standard quotes and diagrams

## STANDARD QUOTE. 1 ACCESS POINT

No OF HOMES	Model																
	TED-001	MAN-470	MLN-000	MPS-003	MPS-004	MPS-005	MPS-006	MPD-003	MPD-004	MPD-005	MPD-006	ALC-070	COL-000	CEM-001	CMO-004	CMO-006	ABR-011
1x3	3	1		1								1	1		1	1	
2x3	6	1					1					1	1		1	1	
2x4	8	1						1				1	1		1	1	
2x5	10	1							1			1	1		1	1	
2x6*	12	1								1		1	1		1	1	
3x4	12	1	1					1				1	1	1	2	1	
3x5	15	1	1	1					1			1	1	1	2	2	1
3x6	18	1	1	1	1					1		1	2	1	2	2	1
4x4	16	1	1			1	2					1	1	1	1	1	
4x5	20	1	1					2				1	2	1	2	2	1
4x6	24	1	1						2			1	2	1	2	2	1
6x5	30	1	2							3		1	2	2	3	3	1
6x6	36	1	2								3	1	3	2	3	3	1

\* Installation for 2 homes per storey and 6 storeys.

## STANDARD DIAGRAM AND SECTIONS

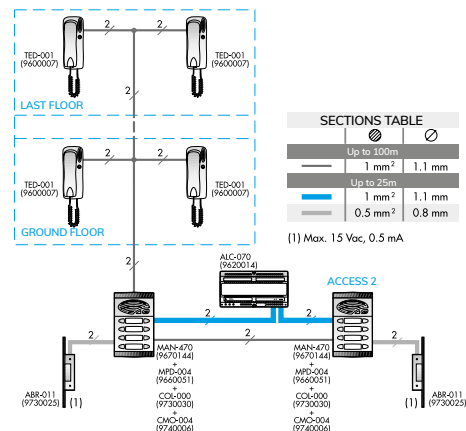


## STANDARD QUOTE. 2 ACCESS POINTS

No OF HOMES	Model																
	TED-001	MAN-470	MLN-000	MPS-003	MPS-004	MPS-005	MPS-006	MPD-003	MPD-004	MPD-005	MPD-006	ALC-070	COL-000	CEM-001	CMO-004	CMO-006	ABR-001
1x3	3	2		2								1	2		2	2	
2x3	6	2					2					1	2		2	2	
2x4	8	2						2				1	2		2	2	
2x5	10	2							2			1	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			1	2	1	4	2	
3x6	18	2	2	2	2					2		1	4	1	4	2	
4x4	16	2	2			2	2					1	2	1	4	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 homes per storey and 6 storeys.

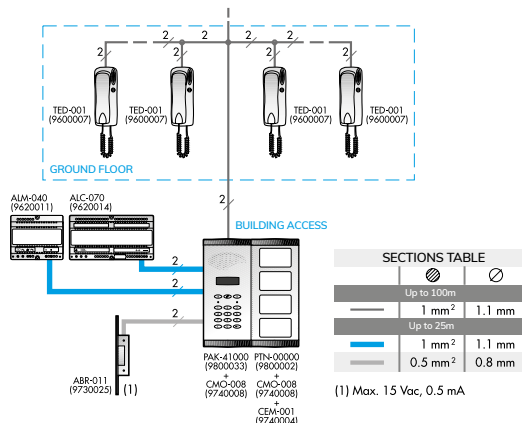
## STANDARD DIAGRAM AND SECTIONS



## STANDARD QUOTE. 1 ACCESS POINT WITH KEYPAD

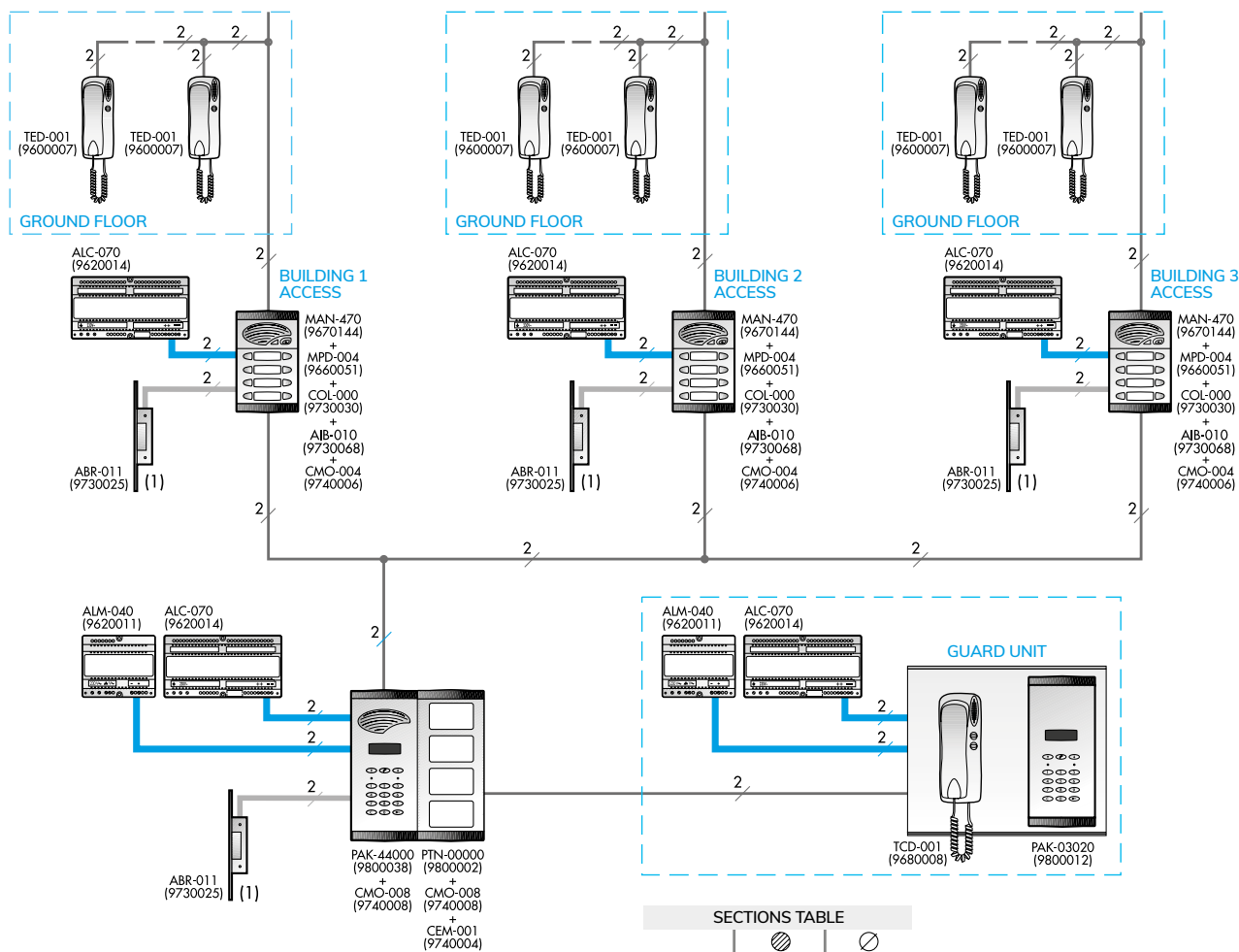
No OF HOMES	Model							
	TED-001	PAK-41000	FTN-00000	ALM-040	ALC-070	CEM-001	CMO-008	ABR-011
4x10	40	1	1	1	1	1	2	1
6x10	60	1	1	1	1	1	2	1
6x15	90	1	1	1	1	1	2	1
8x15	120	1	2	1	1	1	3	1
10x15	150	1	2	1	1	1	3	1

## STANDARD DIAGRAM AND SECTIONS





# Diagram Housing estate with guard unit



# 4+N

## Indoor units



### / Handsets

WITH ELECTRONIC CALL

CODE	MODEL	DESCRIPTION
9600001	TEL-001	1 push-button
9600009	TEL-002	2 push-buttons
9600039	TEL-004	4 push-buttons
9600018	TEL-101	1 push-button (personalized)
9600003	TES-001	1 push-button (communication secret)

### / Universal handsets

WITH ELECTRONIC CALL AND BUZZER

CODE	MODEL	DESCRIPTION
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)

### / Intercommunication

WITH ELECTRONIC CALL

CODE	MODEL	DESCRIPTION
9600014	TIN-001	Handset with dial pad
9650001	GCI-001	Control unit

### / Decorative frames

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
9730029	SST-001	For handset

### / Electronics 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
9730060	APX-001	Kit which lets you add two extra push-buttons to the handset
9730061	AAL-130	Accessory for receiving calls from the landing on the handset

# Entrance panels 201 Line



9670115  
MAN-410



9670018  
MTN-000



9670021  
MLN-000



9690034  
LPR-200



9690038  
CCA-004



9670126  
MMN-410

## / 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

## / 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 64-67.

New

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

### 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 70.  
\*\* For order examples, see page 72.

## / Compact entrance panel WITH KEYPAD FOR ACCESS CONTROL

### SINGLE MODULE

CODE	MODEL	DESCRIPTION
9800006	PNK-00000	Keypad for access control

## / Flux-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)

NOTE: surface boxes, rain-shields, frames and trims, see section 'Entrance panels-201 Line' on pages 41 and 42.



## / 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

New

# Entrance panels

## Vandal-proof made to measure

CODE	MODEL	DESCRIPTION
9800131	PLE-001	With push-buttons

These entrance panels by ALCAD are adapted to the needs of the installation, with a customized configuration both in the location of the push-buttons and in the size of the complete entrance panel – recording the name of the building on the same entrance panel is also permitted. All of them made of stainless steel.

Check with your sales representative to get your quote.



# Electric locks

/ Flush electric locks

WITH ADJUSTABLE LATCH

## UNIVERSAL - COMPACT SIZE 12-18V AC/DC

CODE	MODEL	DESCRIPTION
9730087	<b>ABR-021</b>	Simple

## STANDARD SIZE 12V AC

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

/ Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

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

/ Accessories

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

 New

# Power supply units

/ Power supply units

CODE	MODEL	DESCRIPTION
9620001	<b>ALA-040</b>	25 VA power supply unit, electronic door entry system
9620002	<b>ALA-020</b>	16 VA power supply unit, electronic door entry system
9620011	<b>ALM-040</b>	25 VA power supply unit, video door entry system
9650001	<b>GCI-001</b>	Control unit for <b>AIB-001</b> in video intercom installations or with guard unit



# Standard quotes and diagrams

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

No. OF HOMES	Model													
	TEL-001 (9600001)	MAN-410	MLN-000	MPS-003	MPS-004	MPS-005	MPD-003	MPD-004	MPD-005	MPD-006	ALA-040	CEM-001	CMO-004	CMO-006
1x3	3	1		1							1	1	1	1
2x3	6	1					1			1	1	1	1	1
2x4	8	1						1		1	1	1	1	1
2x5	10	1							1	1	1	1	1	1
2x6*	12	1								1	1		1	1
3x4	12	1	1	1			1			1	1	2	1	1
3x5	15	1	1		1			1		1	1	2	1	1
3x6	18	1	1			1				1	1	2	1	1
4x4	16	1	1				2			1	1	2	1	1
4x5	20	1	1					2		1	1	2	1	1
4x6	24	1	1						2	1	1	2	1	1
6x5	30	1	2					3		1	2	3	1	1
6x6	36	1	2						3	1	2	3	1	1

\* Installation for 2 homes per storey and 6 storeys.

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

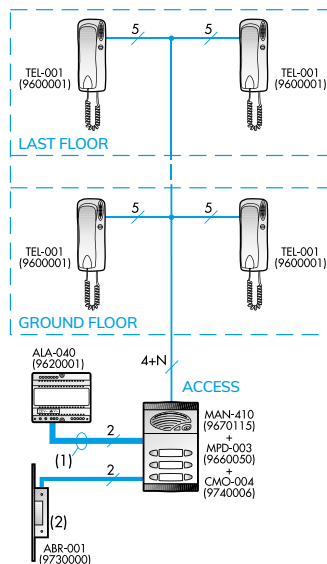
No. OF HOMES	Model													
	TEL-001 (9600001)	MAN-410	MLN-000	MPS-003	MPS-004	MPS-005	MPD-003	MPD-004	MPD-005	MPD-006	ALA-040	CEM-001	CMO-004	CMO-006
1x3	3	2	2							2	1	1	2	2
2x3	6	2	2				2			2	1	1	2	2
2x4	8	2	2					2		2	1	1	2	2
2x5	10	2	2						2	2	2	2	2	2
2x6*	12	2	2							2	2	2	2	2
3x4	12	2	2	2			2			2	2	4	2	2
3x5	15	2	2	2	2			2		2	2	4	2	2
3x6	18	2	2	2		2			2	2	2	4	2	2
4x4	16	2	2	2			4			2	2	4	2	2
4x5	20	2	2	2				4		2	2	4	2	2
4x6	24	2	2	2					4	2	2	4	2	2
6x5	30	2	4					6		2	4	6	2	2
6x6	36	2	4						6	2	4	6	2	2

\* Installation for 2 homes per storey and 6 storeys.

## STANDARD QUOTE. INTERCOMUNICATION

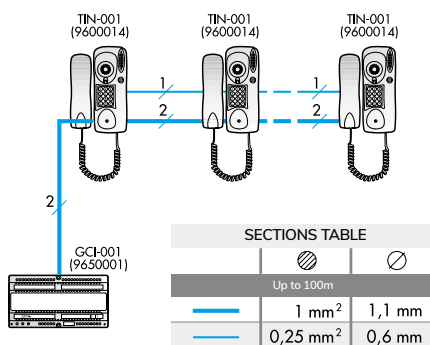
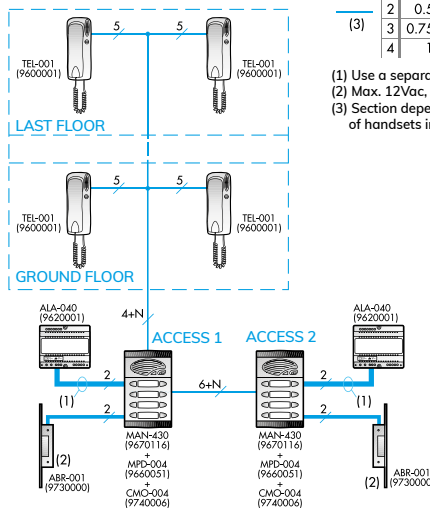
No. OF HOMES	Model	
	TIN-001 (9600014)	GCI-001
2	2	1
5	5	1
10	10	1
16	16	1

## STANDARD DIAGRAMS AND SECTIONS



SECTIONS TABLE		
	⊗	⊙
Up to 50m	1 mm <sup>2</sup>	1.1 mm
Up to 25m	0.5 mm <sup>2</sup>	0.8 mm
Up to 100m	0.25 mm <sup>2</sup>	0.6 mm
	0.5 mm <sup>2</sup>	0.8 mm
(3)	0.75 mm <sup>2</sup>	1.0 mm
	1 mm <sup>2</sup>	1.1 mm

- (1) Use a separate cable hose
- (2) Max. 12Vac, 800 mA
- (3) Section dependent on the number of handsets in the housing



SECTIONS TABLE		
	⊗	⊙
Up to 100m	1 mm <sup>2</sup>	1,1 mm
	0,25 mm <sup>2</sup>	0,6 mm

# 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 [www.alcad.net/iaccess](http://www.alcad.net/iaccess)

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.).







9690035  
LPR-010



9690033  
LPR-900



9690038  
CCA-004



9690039  
KPR-001



9800006  
PNK-00000

## / RFID readers

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

## / 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

## / Keypads for access control

CODE	MODEL	DESCRIPTION
9690039	KPR-001	RFID keypad and reader. IP66
9800006	PNK-00000	201 Line keypad

New



9690022  
CCA-200



9690023  
TLM-002

## / Garage remote controls

RF A 868.35 MHZ

CODE	MODEL	DESCRIPTION
9690022	CCA-200	Central unit
9690023	TLM-002	2 push-buttons remote control
9690026	TLM-004	4 push-buttons remote control

## / 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



9690001  
LAC-000



9690016  
LAC-010



9730087  
ABR-021



9730004  
CNP-001



9730076  
VEN-003



9690010  
PLO-000



9620016  
ALC-030

## / Flush electric locks

WITH ADJUSTABLE LATCH

### COMPACT SIZE

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

## / Power supply units and accessories

CODE	MODEL	DESCRIPTION
9690010	PLO-000	USB programmer for proximity keys
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	Pulsador temporizado para apertura de puerta



New

## / Magnetic electric locks

OVERLAPPING ELECTROMAGNETIC DOOR LOCK

### COMPACT SIZE

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



9730033  
ESC-010



9620001  
ALA-040



9730103  
PPA-002



9620011  
ALM-040



9730021  
ASC-050

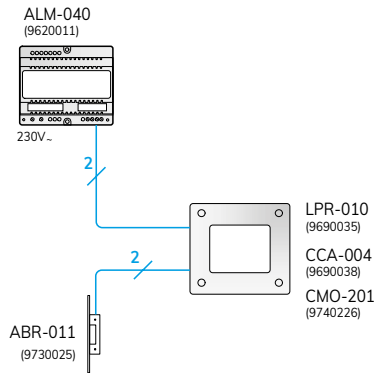
# Standard quotes and diagrams

## STANDARD QUOTE. iVANDAL

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

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

## STANDARD DIAGRAM. iVANDAL iACCESS for access control

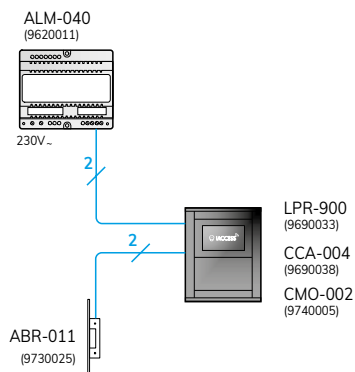


## STANDARD QUOTE. iBLACK

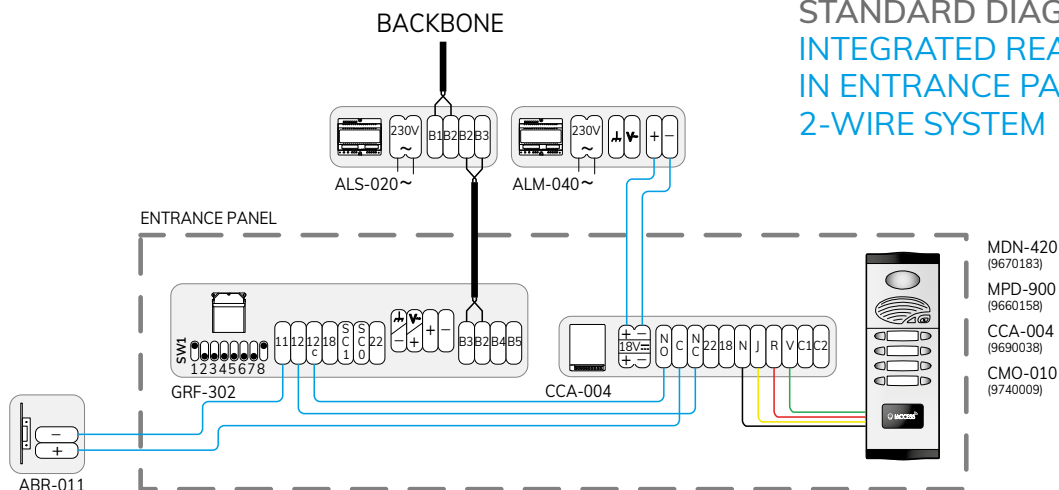
5 keys per housing. Does not include the PLO-000 programmer, necessary to program the keys.

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

## STANDARD DIAGRAM. iBLACK iACCESS for access control



## STANDARD DIAGRAM. INTEGRATED READER IN ENTRANCE PANEL 2-WIRE SYSTEM



# APPENDIX

## WE SUPPORT YOU. FROM BEGINNING TO END

We present all the measures, examples, etc. you may need to start up your installation. And the most complete list of our 2020 product catalogue. We are here to help you with everything you need to achieve your goals, so do not hesitate to contact us should you have any questions or problems.



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<b>201 Line entrance panels</b> MKD-900 .....	<b>72</b>
<b>201 Line + iBLACK frames</b> MAR-900 / MAR-901 / MAR-902 ...	<b>73</b>
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General terms of trade .....	<b>96</b>
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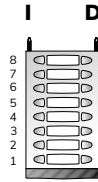
# EXAMPLES OF SPECIAL PRODUCT ORDERS

## Entrance panels 201 Line

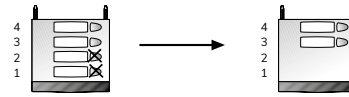
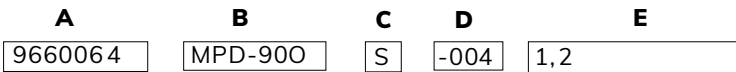
### MPD-900 / MPD-901

#### MPD-900 ENTRANCE PANELS (from 3 to 8 heights in single and double entrance panels)

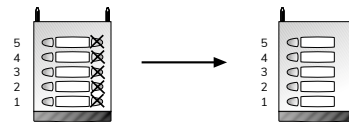
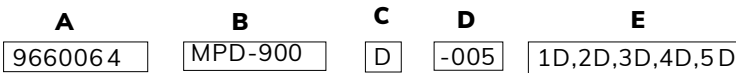
- A:** code (9660064)
- B:** model (MPD-900)
- C:** S-single push-buttons D-double push-buttons
- D:** entrance panel height (from 003 to 008)
- E:** push-buttons to remove (1,2,3I,4D...)



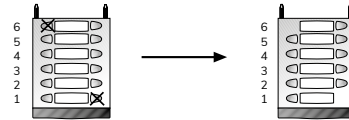
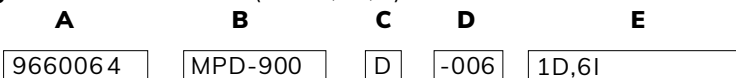
**e.g.1:** 9660064 MPD-900(S-004,1,2)



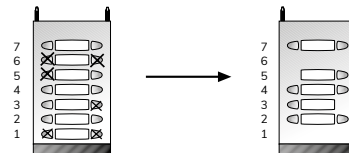
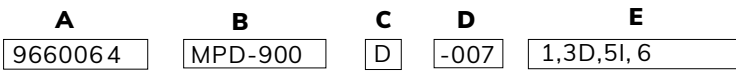
**e.g.2:** 9660064 MPD-900(D-005,1D,2D,3D,4D,5D)



**e.g.3:** 9660064 MPD-900(D-006,1D,6I)

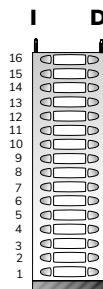


**e.g.4:** 9660064 MPD-900(D-007,1,3D,5I,6)

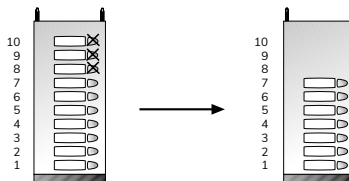
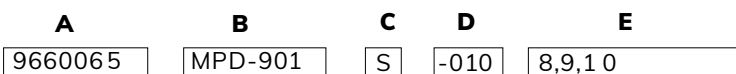


#### MPD-901 ENTRANCE PANELS (from 9 to 16 heights in single and double entrance panels)

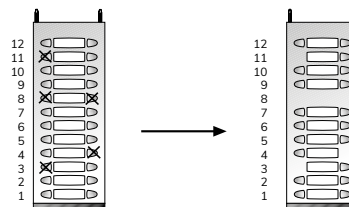
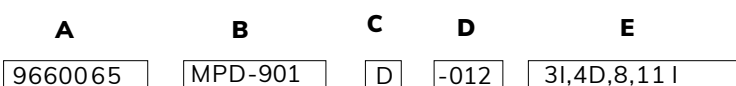
- A:** code (9660065)
- B:** model (MPD-901)
- C:** S-single push-buttons D-double push-buttons
- D:** entrance panel height (from 009 to 016)
- E:** push-buttons to remove (1,2,3I,4D...)



**e.g.1:** 9660065 MPD-901(S-010,8,9,10)



**e.g.2:** 9660065 MPD-901(D-012,3I,4D,8,11I)



# Entrance panels 201 Line

## MPD-902 / MPD-903

### MPD-902 ENTRANCE PANELS (from 1 to 8 floors in single and double entrance panels)

- A:** code (9660158)  
**B:** model (MPD-902)  
**C:** S -single push-buttons D-double push-buttons  
**D:** entrance panel height from 001 to 008  
**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 want without iACCESS reader

e.g. 1: 9660158 MPD-902(S-004,1,2, NO)

A	B	C	D	E	F
9660158	MPD-902	S	-004	1,2	NO

e.g. 2: 9660158 MPD-902(D-004,1D,2D,3D,4D,YES)

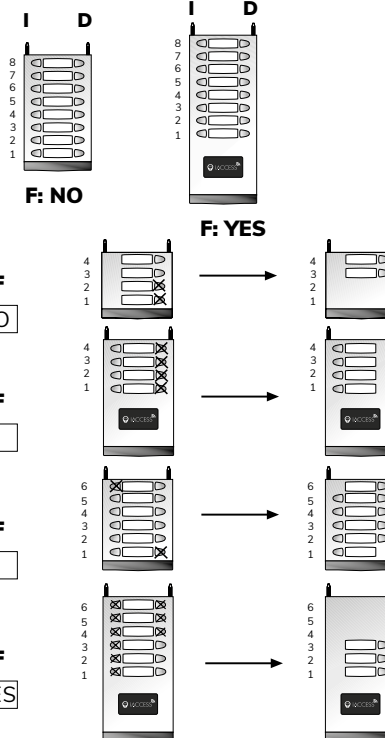
A	B	C	D	E	F
9660158	MPD-902	D	-004	1D,2D,3D,4D	SI

e.g. 3: 9660158 MPD-902(D-006,1D,6i)

A	B	C	D	E	F
9660158	MPD-902	D	-006	1D,6i	

e.g. 4: 9660158 MPD-902(D-006,1i,2i,3i,4,5,6,YES)

A	B	C	D	E	F
9660158	MPD-902	D	-006	1i,2i,3i,4,5,6	YES



### MPD-903 ENTRANCE PANELS (from 9 to 16 heights in single and double entrance panels)

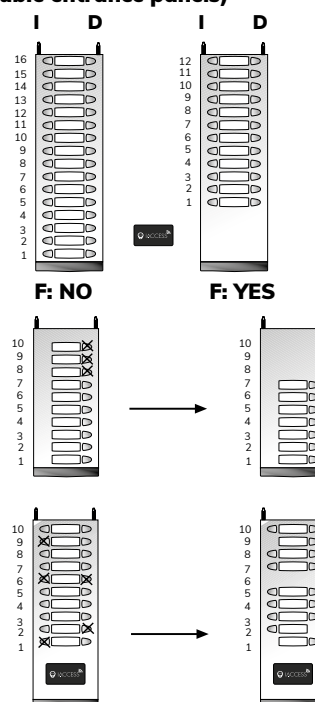
- A:** code (9660159)  
**B:** model (MPD-903)  
**C:** S -single push-buttons D-double push-buttons  
**D:** entrance panel height from 009 to 016 (from 009 to 012 if F=YES)  
**E:** push-buttons to remove (1,2,3i,4D...)  
**F:** YES-with iACCESS reader; NO-without iACCESS reader  
**Note:** If F is not indicated, it is understood that you want without iACCESS reader

e.g. 1: 9660159 MPD-903(S-010,8,9,10)

A	B	C	D	E	F
9660159	MPD-903	S	-010	8,9,10	

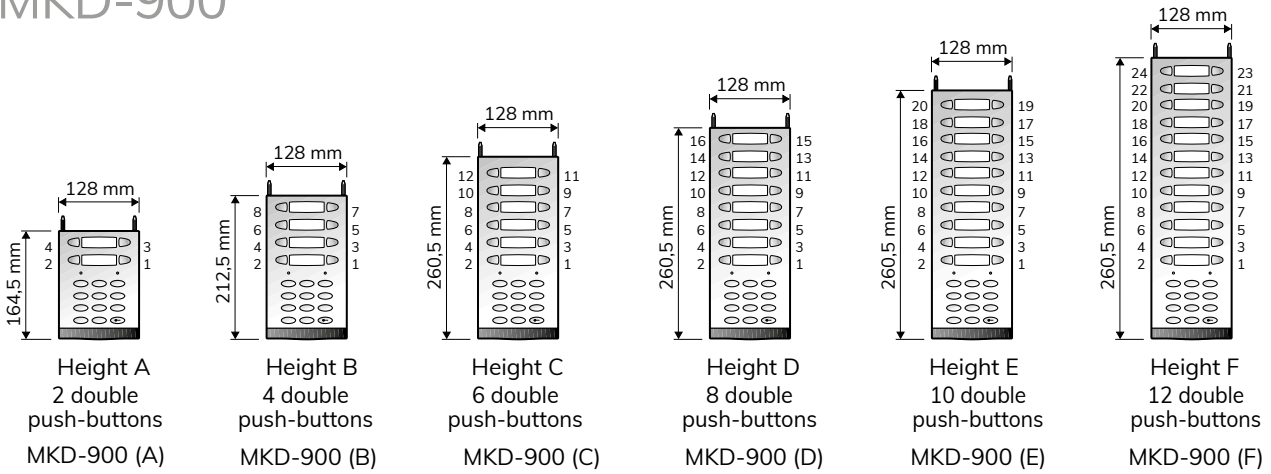
e.g. 2: 9660159 MPD-903(D-010,1i,2D,6,9i,YES)

A	B	C	D	E	F
9660159	MPD-903	D	-010	1i,2D,6,9i	YES



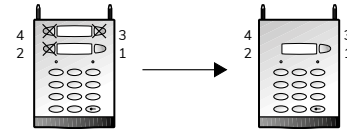
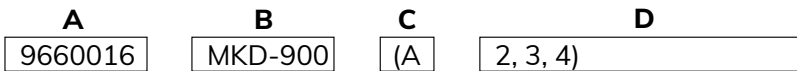
# Entrance panels 201 Line

## MKD-900

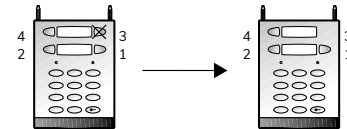
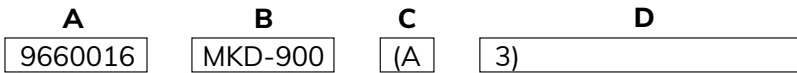


### EXAMPLES OF ORDERS

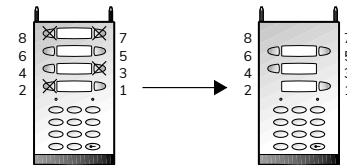
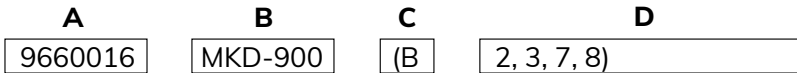
**e.g.1:** 9660016 MKD-900 (A, 2, 3, 4)



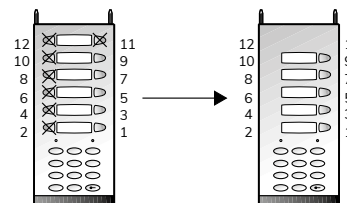
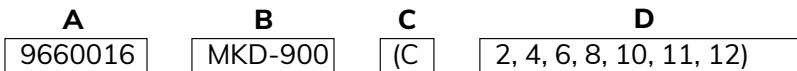
**e.g.2:** 9660016 MKD-900 (A, 3)



**e.g.3:** 9660016 MKD-900 (B, 2, 3, 7, 8)



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



### Key

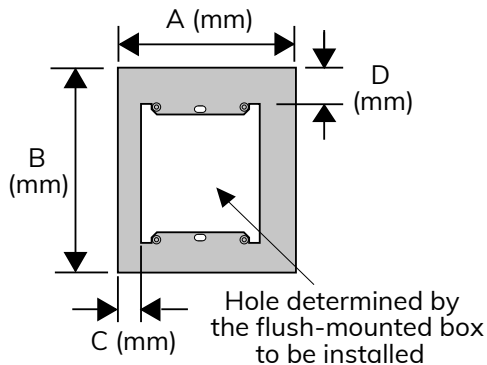
- A:** code (9660016)
- B:** model (MKD-900)
- C:** height of the entrance panel (A, B, C, D, E or F)
- D:** push-buttons to remove (1, 3...)



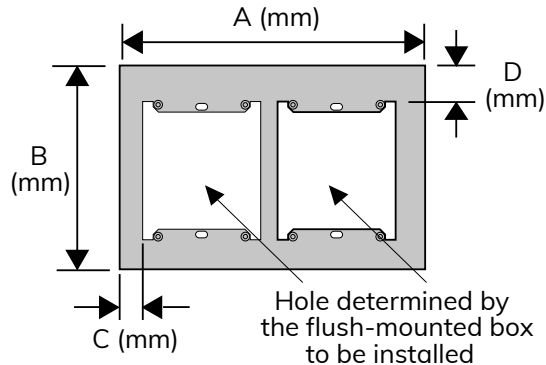
# Frames 201 Line + iBLACK

MAR-900 / MAR-901 / MAR-902

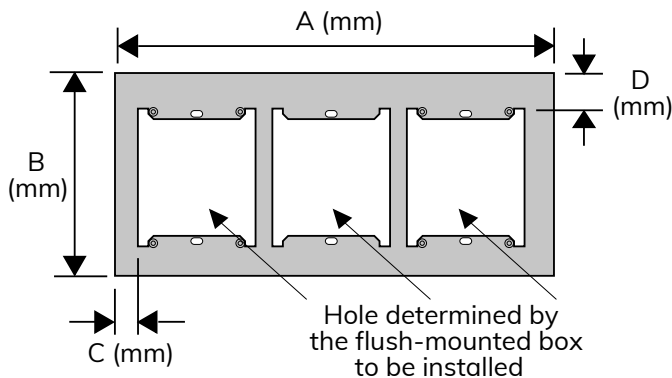
• 9740047- MAR-900 (CMO/A/B/C/D/E)



• 9740016- MAR-901 (CMO/A/B/C/D/E)

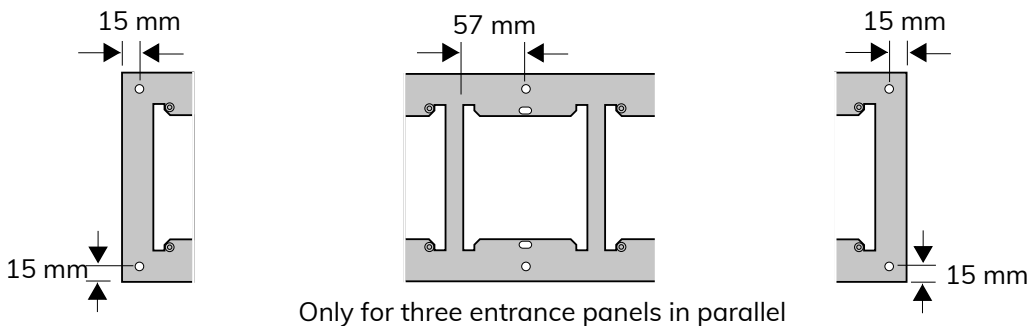


• 9740017- MAR-902 (CMO/A/B/C/D/E)



**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-010, then the parameter is 010.
- The C and D parameters indicate the degree to which the hole in the frame is decentred. If these are not indicated, it is understood that the hole must be in the centre of the frame.
- The E parameter indicates whether a frame is required with or without perforated holes for wall mounting. Put an S if you require the frame with perforated holes and an N if you require it without perforated holes. If you choose neither option, it will be assumed that you require the frame without perforated holes.  
 The position of the holes is fixed and is shown below:



# Entrance panels iBLACK

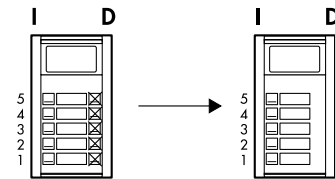
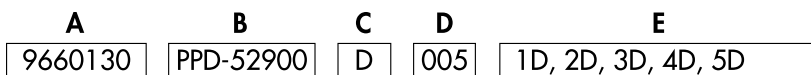
PPD-52900 / PPD-52901 / PPD-52902  
PPD-52903 / PPD-52904 / PPD-52905

## KEY

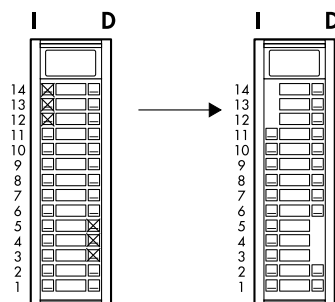
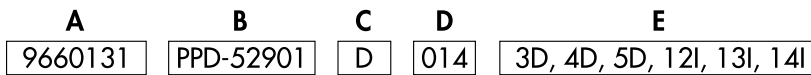
- A:** Code
- B:** Model
- C:** S-Single push-buttons. D-double push-buttons
- D:** Height of the entrance panel
- E:** Push-buttons to remove

A:	9660130	9660131	9660132	9660133	9660134	9660135
B:	PPD-52900	PPD-52901	PPD-52902	PPD-52903	PPD-52904	PPD-52905
C:	S - D	S - D	S - D	S - D	S - D	S - D
D:	001 ~ 008	009 ~ 016	001 ~ 008	009 ~ 016	003 ~ 010	009 ~ 018
E:	1, 2, 3I, 4D...	1, 3I, 4D, 12...	1, 2, 3I, 4D...	1, 3I, 4D, 12...	1, 3I, 4D, 10D...	1, 3I, 4D, 12...

**e.g. 1** 9660130 PPD-52900 (D-005, 1D, 2D, 3D, 4D, 5D)

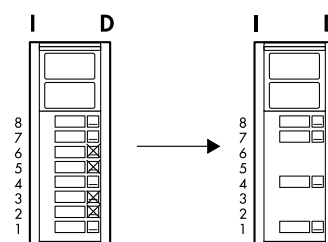


**e.g. 2** 9660131 PPD-52901 (D-014, 3D, 4D, 5D, 12I, 13I, 14I)



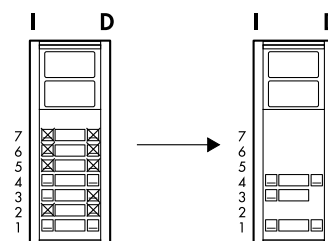
**e.g. 3** 9660132 PPD-52902 (S-008, 2, 3, 5, 6)

A	B	C	D	E
9660132	PPD-52902	S	008	2, 3, 5, 6



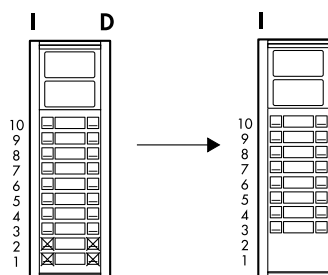
**e.g. 4** 9660132 PPD-52902 (D-007, 2, 3D, 5, 6, 7)

A	B	C	D	E
9660132	PPD-52902	D	007	2, 3D, 5, 6, 7



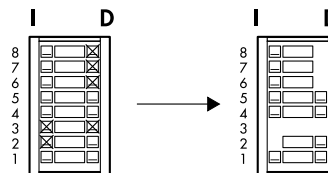
**e.g. 5** 9660133 PPD-52903 (D-10,1,2)

A	B	C	D	E
9660133	PPD-52903	D	010	1,2



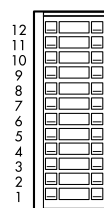
**e.g. 6** 9660134 PPD-52904 (D-008, 2I, 3, 6D, 7D, 8D)

A	B	C	D	E
9660134	PPD-52904	D	008	2I, 3, 6D, 7D, 8D



**e.g. 7** 9660135 PPD-52905 (D-012)

A	B	C	D	E
9660135	PPD-52905	D	012	





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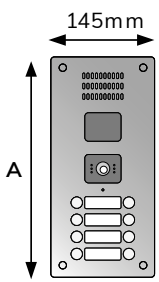
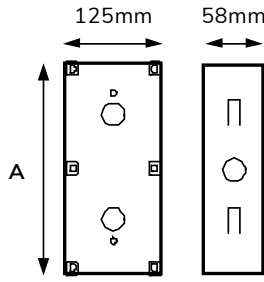


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 **ALCAD**

# DIMENSIONS AND ACCESSORIES


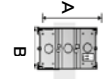
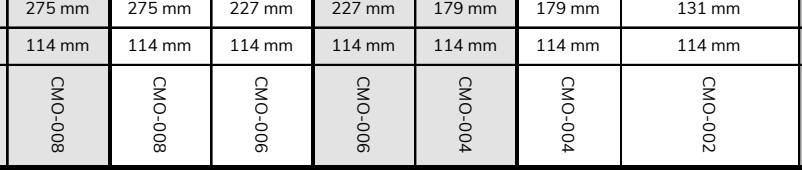
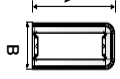
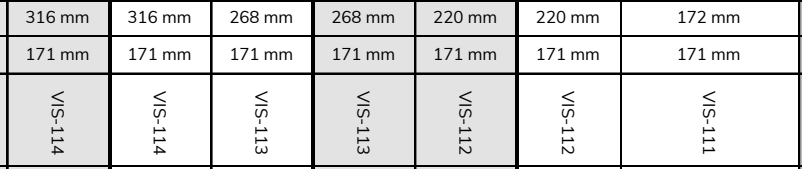
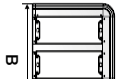

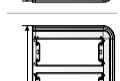


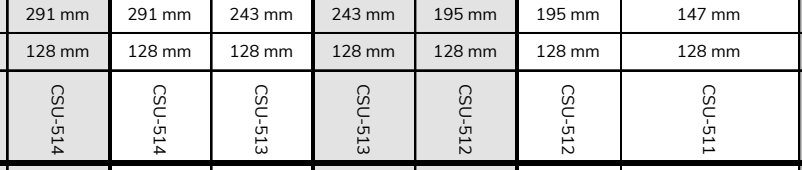


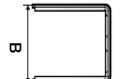

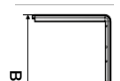

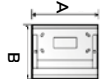
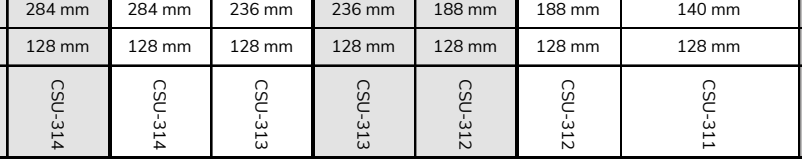
## Entrance panels iVANDAL

		ENTRANCE PANELS		FLUSH-MOUNTED BOXES	
					
		A	MODELS	A	MODELS
<b>MODULES</b>	142 mm		9690035 LPR-010      9800159 PNB-600	125 mm	9740226 CMO-201
<b>1 / 2 STOREYS</b>	260 mm		9800161 PTS-60201      9800173 PTS-61201 9800141 PTS-60202      9800174 PTS-61202 9800166 PTD-60201      9800183 PTD-61201 9800146 PTD-60202      9800184 PTD-61202	243 mm	9740219 CMO-202
<b>3 / 4 STOREYS</b>	308 mm		9800162 PTS-60203      9800175 PTS-61203 9800142 PTS-60204      9800176 PTS-61204 9800167 PTD-60203      9800185 PTD-61203 9800147 PTD-60204      9800186 PTD-61204	291 mm	9740220 CMO-204
<b>5 / 6 STOREYS</b>	356 mm		9800163 PTS-60205      9800177 PTS-61205 9800143 PTS-60206      9800178 PTS-61206 9800168 PTD-60205      9800187 PTD-61205 9800148 PTD-60206      9800188 PTD-61206	339 mm	9740221 CMO-206
<b>7 / 8 STOREYS</b>	404 mm		9800164 PTS-60207      9800179 PTS-61207 9800144 PTS-60208      9800180 PTS-61208 9800169 PTD-60207      9800189 PTD-61207 9800149 PTD-60208      9800190 PTD-61208	387 mm	9740222 CMO-208
<b>9 / 10 STOREYS</b>	452 mm		9800165 PTS-60209      9800181 PTS-61209 9800145 PTS-60210      9800182 PTS-61210 9800170 PTD-60209      9800191 PTD-61209 9800150 PTD-60210      9800192 PTD-61210	435 mm	9740223 CMO-210


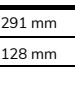
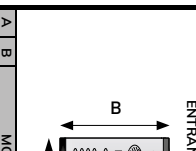
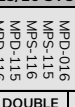
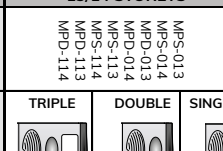
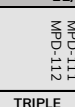
# Entrance panels iBLACK









ENTRANCE PANELS		FLUSH-MOUNTED BOXES		RAIN-SHIELDS FOR FLUSH-MOUNTED BOXES			SURFACE BOX		RAIN-SHIELDS FOR SURFACE BOXES			ANGULAR SURFACE BOX			
A	B	A	B	MODEL	MODEL	MODEL	A	B	MODEL	MODEL	MODEL	A	B	MODEL	
339 mm	128 mm	323 mm	114 mm	PDK-54810 PDK-54910 PDK-51810 PDK-51910 PAK-54010 PAK-51010 PTN-50000	CMO-010	SINGLE VIS-115	364 mm	171 mm	CSU-515	VIS-215	352 mm	156 mm	332 mm	128 mm	
						DOUBLE VIS-125	364 mm	299 mm							
						TRIPLE VIS-135	364 mm	427 mm							
							339 mm	128 mm							
							128 mm								
							352 mm	156 mm							
							156 mm								
							352 mm	284 mm							
							284 mm								
							352 mm	412 mm							
							412 mm								
							332 mm	128 mm							
							128 mm								
							CSU-315								

15/16 STOREYS		13/14 STOREYS		11/12 STOREYS		9/10 STOREYS	
531 mm	483 mm	483 mm	435 mm	435 mm	387 mm	387 mm	339 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm
PPS-52109 PPS-52110 PPD-52109 PPD-52110	PPS-52115 PPS-52116 PPD-52115 PPD-52116	PPS-52113 PPS-52114 PPD-52113 PPD-52114	PPS-52213 PPS-52214 PPD-52213 PPD-52214	PPS-52113 PPS-52114 PPD-52113 PPD-52114	PPS-52211 PPS-52212 PPD-52211 PPD-52212	PPS-52111 PPS-52112 PPD-52111 PPD-52210	PPS-52209 PPS-52210 PPD-52209 PPD-52210
515 mm	467 mm	467 mm	419 mm	419 mm	371 mm	371 mm	323 mm
114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm
CMO-018	CMO-016	CMO-016	CMO-014	CMO-014	CMO-012	CMO-012	CMO-010
556 mm	508 mm	508 mm	460 mm	460 mm	412 mm	412 mm	364 mm
171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm
VIS-119	VIS-118	VIS-118	VIS-117	VIS-117	VIS-116	VIS-116	VIS-115
556 mm	508 mm	508 mm	460 mm	460 mm	412 mm	412 mm	364 mm
299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm
VIS-129	VIS-128	VIS-128	VIS-127	VIS-127	VIS-126	VIS-126	VIS-125
556 mm	508 mm	508 mm	460 mm	460 mm	412 mm	412 mm	364 mm
427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm
VIS-139	VIS-138	VIS-138	VIS-137	VIS-137	VIS-136	VIS-136	VIS-135
531 mm	483 mm	483 mm	435 mm	435 mm	387 mm	387 mm	339 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm
CSU-519	CSU-518	CSU-518	CSU-517	CSU-517	CSU-516	CSU-516	CSU-515
544 mm	496 mm	496 mm	448 mm	448 mm	400 mm	400 mm	352 mm
156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm
VIS-219	VIS-218	VIS-218	VIS-217	VIS-217	VIS-216	VIS-216	VIS-215
544 mm	496 mm	496 mm	448 mm	448 mm	400 mm	400 mm	352 mm
284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm
VIS-229	VIS-228	VIS-228	VIS-227	VIS-227	VIS-226	VIS-226	VIS-225
544 mm	496 mm	496 mm	448 mm	448 mm	400 mm	400 mm	352 mm
412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm
VIS-239	VIS-238	VIS-238	VIS-237	VIS-237	VIS-236	VIS-236	VIS-235
527 mm	476 mm	476 mm	428 mm	428 mm	380 mm	380 mm	332 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm
CSU-319	CSU-318	CSU-318	CSU-317	CSU-317	CSU-316	CSU-316	CSU-315

7/8 STOREYS		5/6 STOREYS		3/4 STOREYS		1/2 STOREYS		A	B	MODELS	ENTRANCE PANELS
339 mm	291 mm	291 mm	243 mm	243 mm	195 mm	195 mm	147 mm				
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm				
323 mm	275 mm	275 mm	227 mm	227 mm	179 mm	179 mm	131 mm				
114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm				
364 mm	316 mm	316 mm	268 mm	268 mm	220 mm	220 mm	172 mm				
171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm				
364 mm	316 mm	316 mm	268 mm	268 mm	220 mm	220 mm	172 mm				
299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm				
364 mm	316 mm	316 mm	268 mm	268 mm	220 mm	220 mm	172 mm				
427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm				
339 mm	291 mm	291 mm	243 mm	243 mm	195 mm	195 mm	147 mm				
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm				
352 mm	304 mm	304 mm	256 mm	256 mm	208 mm	208 mm	160 mm				
156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm				
352 mm	304 mm	304 mm	256 mm	256 mm	208 mm	208 mm	160 mm				
284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm				
352 mm	304 mm	304 mm	256 mm	256 mm	208 mm	208 mm	160 mm				
412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm				
332 mm	284 mm	284 mm	236 mm	236 mm	188 mm	188 mm	140 mm				
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm				

# Entrance panels 201 Line

ENTRANCE PANEL		FLUSH-MOUNTED BOX		RAIN-SHIELDS FOR FLUSH-MOUNTED BOXES			SURFACE BOX		RAIN-SHIELDS FOR SURFACE BOXES			ANGULAR SURFACE BOX		
A	B	A	B	A	B	A	B	A	B	A	B	A	B	
147 mm	128 mm	291 mm	128 mm	275 mm	114 mm	316 mm	171 mm	316 mm	299 mm	316 mm	427 mm	291 mm	128 mm	
														
MAN-905 PNK-00000		PAK-41000 PAK-42000 PAK-44000 PAK-03020 PDK-41500 PDK-42500 PDK-44500 PTN-00000		CMO-008			VIS-114 VIS-124 VIS-134			CSU-214		VIS-214 VIS-224 VIS-234 CSU-314		

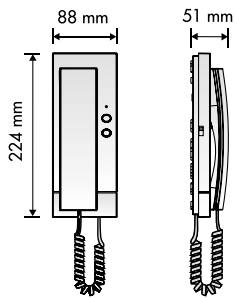
15/16 STOREYS		13/14 STOREYS			11/12 STOREYS		
DOUBLE	SINGLE	TRIPLE	DOUBLE	SINGLE	TRIPLE	DOUBLE	SINGLE
							
531 mm	483 mm	531 mm	483 mm	435 mm	483 mm	435 mm	387 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm
515 mm	467 mm	515 mm	467 mm	419 mm	467 mm	419 mm	371 mm
114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm	114 mm
CMO-018	CMO-016	CMO-018	CMO-016	CMO-014	CMO-016	CMO-014	CMO-012
556 mm	508 mm	556 mm	508 mm	460 mm	508 mm	460 mm	412 mm
171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm
VIS-119	VIS-118	VIS-119	VIS-118	VIS-117	VIS-118	VIS-117	VIS-116
556 mm	508 mm	556 mm	508 mm	460 mm	508 mm	460 mm	412 mm
299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm
VIS-129	VIS-128	VIS-129	VIS-128	VIS-127	VIS-128	VIS-127	VIS-126
556 mm	508 mm	556 mm	508 mm	460 mm	508 mm	460 mm	412 mm
427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm
VIS-139	VIS-138	VIS-139	VIS-138	VIS-137	VIS-138	VIS-137	VIS-136
531 mm	483 mm	531 mm	483 mm	435 mm	483 mm	435 mm	387 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm
CSU-219	CSU-218	CSU-219	CSU-218	CSU-217	CSU-218	CSU-217	CSU-216
544 mm	496 mm	544 mm	496 mm	448 mm	496 mm	448 mm	400 mm
156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm	156 mm
VIS-219	VIS-218	VIS-219	VIS-218	VIS-217	VIS-218	VIS-217	VIS-216
544 mm	496 mm	544 mm	496 mm	448 mm	496 mm	448 mm	400 mm
284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm
VIS-229	VIS-228	VIS-229	VIS-228	VIS-227	VIS-228	VIS-227	VIS-226
544 mm	496 mm	544 mm	496 mm	448 mm	496 mm	448 mm	400 mm
412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm	412 mm
VIS-239	VIS-238	VIS-239	VIS-238	VIS-237	VIS-238	VIS-237	VIS-236
527 mm	476 mm	524 mm	476 mm	428 mm	476 mm	428 mm	380 mm
128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm	128 mm
CSU-319	CSU-318	CSU-319	CSU-318	CSU-317	CSU-318	CSU-317	CSU-316



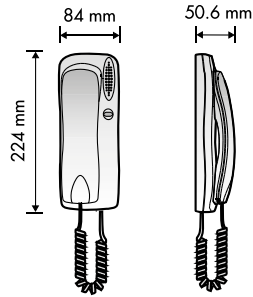
9/10 STOREYS	7/8 STOREYS			5/6 STOREYS			3/4 STOREYS			1/2 STOREYS			LOWER MODULE	UPPER MODULE	ENTRANCE PANEL	DIMENSIONS	FLUSH-MOUNTED BOXES	RAIN-SHIELDS FOR FLUSH-MOUNTED BOXES	SURFACE BOX	RAIN-SHIELDS FOR SURFACE BOXES	ANGULAR SURFACE BOX																				
	TRIPLE	DOUBLE	SINGLE	TRIPLE	DOUBLE	SINGLE	TRIPLE	DOUBLE	SINGLE	TRIPLE	DOUBLE	SINGLE										TRIPLE	DOUBLE	SINGLE	A	B	MODEL	A	B	MODEL	A	B	MODEL	A	B	MODEL	A	B	MODEL		
MPS-009 MPS-010 MPS-009 MPS-010 MPS-109 MPS-110 MPS-109 MPS-110				MPS-007 MPS-008 MPS-007 MPS-008 MPS-107 MPS-108 MPS-107 MPS-108				MPS-005 MPS-006 MPS-005 MPS-006 MPS-105 MPS-106 MPS-105 MPS-106				MPS-003 MPS-004 MPS-003 MPS-004 MPS-103 MPS-104 MPS-103 MPS-104				MPS-001 MPS-002 MPS-001 MPS-002 MPS-101 MPS-102 MPS-101 MPS-102																									
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	147 mm	A	B																									
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	128 mm	A	B																									
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	131 mm	A	B																									
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	A	B																									
CMO-014	CMO-012	CMO-010	CMO-012	CMO-010	CMO-008	CMO-010	CMO-008	CMO-006	CMO-008	CMO-006	CMO-004	CMO-006	CMO-004	CMO-002	MODEL																										
460 mm	412 mm	364 mm	412 mm	364 mm	316 mm	364 mm	316 mm	268 mm	316 mm	268 mm	220 mm	268 mm	220 mm	172 mm	A	B																									
171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	171 mm	A	B																									
460 mm	412 mm	364 mm	412 mm	364 mm	316 mm	364 mm	316 mm	268 mm	316 mm	268 mm	220 mm	268 mm	220 mm	172 mm	A	B																									
299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	299 mm	A	B																									
460 mm	412 mm	364 mm	412 mm	364 mm	316 mm	364 mm	316 mm	268 mm	316 mm	268 mm	220 mm	268 mm	220 mm	172 mm	A	B																									
427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	427 mm	A	B																									
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	147 mm	A	B																									
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	128 mm	A	B																									
CSU-217	CSU-216	CSU-215	CSU-216	CSU-215	CSU-214	CSU-215	CSU-214	CSU-213	CSU-214	CSU-213	CSU-212	CSU-213	CSU-212	CSU-211	MODEL																										
448 mm	400 mm	352 mm	400 mm	352 mm	304 mm	352 mm	304 mm	256 mm	307 mm	256 mm	208 mm	256 mm	208 mm	160 mm	A	B																									
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	156 mm	A	B																									
448 mm	400 mm	352 mm	400 mm	352 mm	304 mm	352 mm	304 mm	256 mm	307 mm	256 mm	208 mm	256 mm	208 mm	160 mm	A	B																									
284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	284 mm	A	B																									
448 mm	400 mm	352 mm	400 mm	352 mm	304 mm	352 mm	304 mm	256 mm	307 mm	256 mm	208 mm	256 mm	208 mm	160 mm	A	B																									
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	412 mm	A	B																									
428 mm	380 mm	332 mm	380 mm	332 mm	284 mm	332 mm	284 mm	236 mm	284 mm	236 mm	188 mm	236 mm	188 mm	140 mm	A	B																									
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	128 mm	A	B																									
CSU-317	CSU-316	CSU-315	CSU-316	CSU-315	CSU-314	CSU-315	CSU-314	CSU-313	CSU-314	CSU-313	CSU-312	CSU-313	CSU-312	CSU-311	MODEL																										

# Handsets, monitors and accessories

## HANDSETS

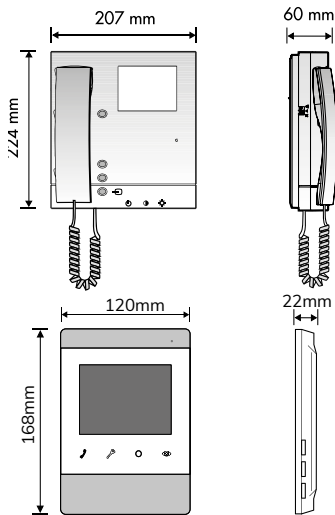


9600034  
9600036



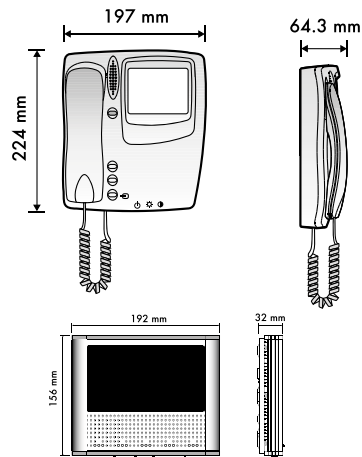
9600001 9600012  
9600002 9600013  
9600003 9600014  
9600007 9600018  
9600018 9600039  
9600010  
9600011

## INDOOR UNITS



9630042  
9630049

9630075

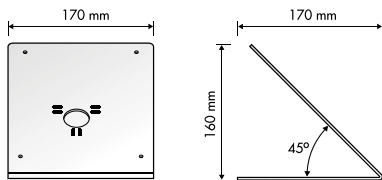


9630001  
9680015  
9630008  
9630043  
9630033  
9630050  
9630051

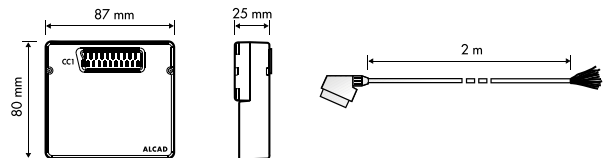
9630045  
9630041  
9630044

## ACCESSORIES FOR INDOOR UNITS

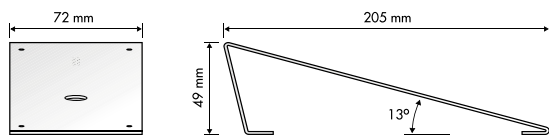
### Desktop supports



9730049

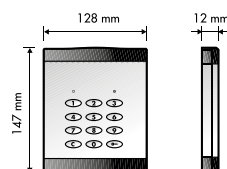


## ACCESSORIES FOR HANDSETS



9730029

## ACCESS CONTROL SYSTEM

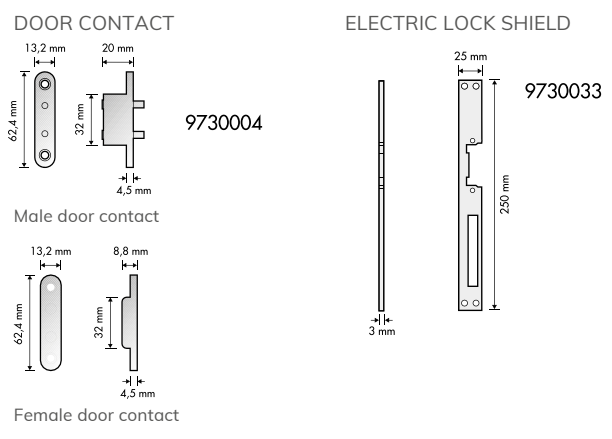
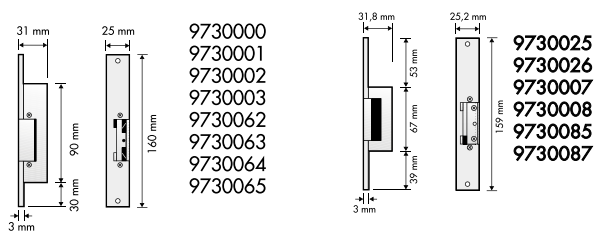


9800006

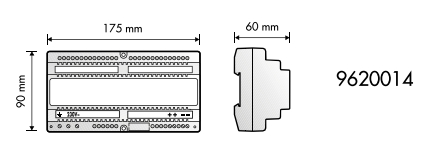
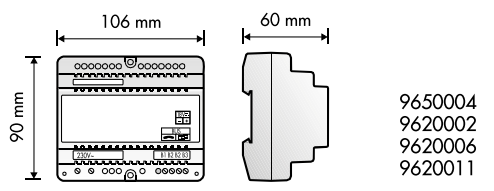


9800114

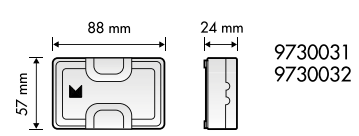
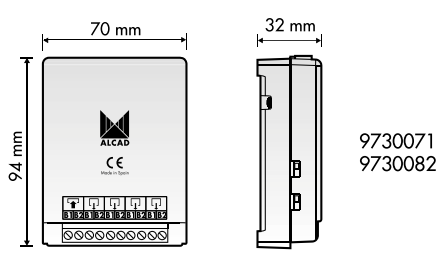
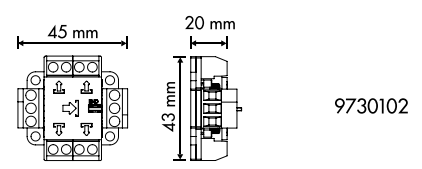
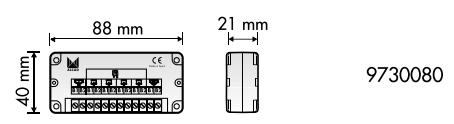
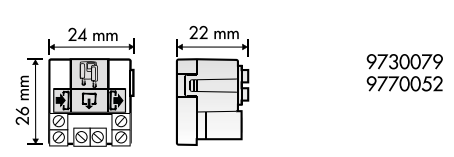
## ELECTRIC LOCK



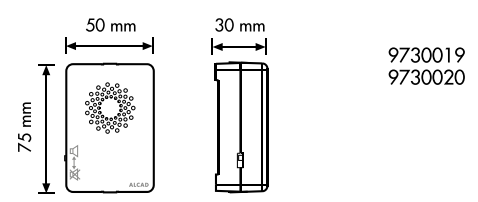
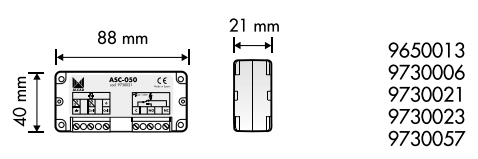
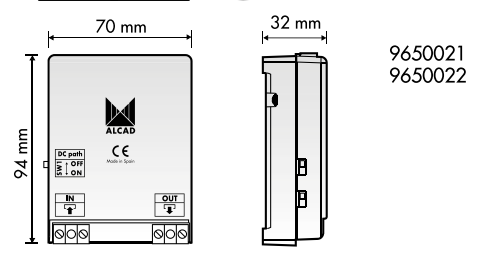
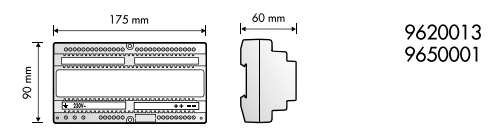
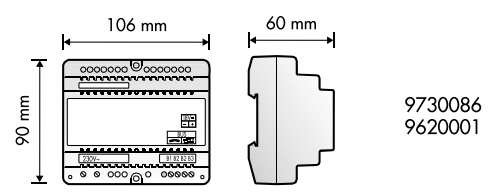
## POWER SUPPLY UNITS



## SPLITTERS / TAP-OFFS



## ELECTRONIC ACCESSORIES



# LISTS OF PRODUCTS

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	9600002	TUN-001	20	58
	9600003	TES-001	20	58
	9600007	TED-001	20	19, 50
	9600009	TEL-002	20	58
	9600010	TED-002	20	15, 50
	9600011	TUN-002	20	58
	9600013	TUN-101	20	58
	9600014	TIN-001	20	58
	9600018	TEL-101	20	58
	9600034	TET-002	20	32
	9600036	TET-004	20	32
	9600039	TEL-004	20	58
	9600040	TUN-201	20	58
	9600042	TET-302	20	32
	961	9610044	GRF-302	7
9610048		GRF-304	7	35
962	9620001	ALA-040	18	13, 15, 19, 43, 55, 62, 66
	9620002	ALA-020	18	62
	9620011	ALM-040	18	43, 55, 62, 66
	9620014	ALC-070	9	55
	9620016	ALC-030	20	66
963	9630004	SCM-030	11	15, 50
	9630005	SCM-040	11	15
	9630008	MVC-002	12	15, 50
	9630031	SCM-051	11	32
	9630042	MVC-007	12	32
	9630043	MVC-008	12	32
	9630045	MVC-130	10	32
	9630047	KMC-12500	10	13
	9630049	MVC-009	12	32
	9630051	MVC-011	12	32
	9630052	SCM-052	11	32
	9630074	MVC-230	-	28
	9630075	MVC-140	16	32
	9630076	SCM-151	11	32
	9630077	MVC-133	1	9

	CODE	MODEL	PACK	PAGES
	9630078	MVC-250	-	28
	9630080	MCO-300	40	28
965	9650001	GCI-001	9	55, 58, 62
	9650004	ALS-020	18	44
	9650013	REG-050	17	44
	9650021	REG-053	12	44
	9650022	REG-054	12	44
	9650025	GCO-001	7	44
966	9660000	MPS-003	9	53, 60
	9660001	MPS-004	9	53, 60
	9660002	MPS-005	9	53, 60
	9660003	MPS-006	9	53, 60
	9660004	MPS-007	9	53, 60
	9660005	MPS-008	9	53, 60
	9660006	MPS-009	9	53, 60
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	9660008	MPS-011	7	53, 60
	9660009	MPS-012	7	53, 60
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9660055	MPD-008	9	53, 60	
9660056	MPD-009	9	53, 60	
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9660058	MPD-011	7	53, 60	
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9660061	MPD-014	7	53, 60	

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9660064	MPD-900	9	53, 60
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9660067	PPS-52102	12	36
9660068	PPS-52103	12	36
9660069	PPS-52104	12	36
9660070	PPS-52105	15	36
9660071	PPS-52106	15	36
9660072	PPS-52107	15	36
9660073	PPS-52108	15	36
9660074	PPS-52109	15	36
9660075	PPS-52110	15	36
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9660102	PPD-52105	15	36
9660103	PPD-52106	15	36
9660104	PPD-52107	15	36
9660105	PPD-52108	15	36
9660106	PPD-52109	15	36
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9660129	PPD-52216	32	36
9660130	PPD-52900	15	37
9660131	PPD-52901	32	37
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9660133	PPD-52903	32	37
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9660147	MPS-102	11	40
9660148	MPS-104	9	40
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9660161	MPS-105	9	40
9660162	MPS-107	9	40
9660163	MPS-109	9	40
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	9660173	MPD-109	9	40
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	9700043	KAD-41004	2	20
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	CMO-702	9740228	-	28
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	CSU-311	9740163	6	41
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	CSU-313	9740165	9	41
	CSU-314	9740166	9	41
	CSU-315	9740167	6	41
	CSU-316	9740168	6	41
	CSU-317	9740169	6	41
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	KAD-41002	9700041	6	20
	KAD-41003	9700042	4	21
	KAD-41004	9700043	2	20
	KAD-41005	9700044	2	21
	KAD-41006	9700045	2	21
	KAD-41021	9700047	6	21
	KAD-47001	9700107	6	18
	KAD-67001	9700119	6	18
	KAS-41001	9700037	10	20
	KAS-41003	9700038	6	21
	KAS-41004	9700135	4	21
	KAS-41005	9700039	4	21
	KAS-41021	9700046	14	20
	KAS-47001	9700106	10	18
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	KAS-67001	9700118	6	18
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	KVS-30721	9720150	6	12
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	KVS-47201	9720047	6	14
	KVS-47501	9720108	6	14
	KVS-50601	9720149	6	11
	KVS-50821	9720151	6	10
	KVS-50921	9720164	6	10
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	LAC-004	9690005	40	65
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	LAC-006	9690012	40	65
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	MAN-470	9670144	11	53
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# LEGAL

## General terms of trade

The acceptance of orders by ALCAD Electronics S.L. implies the acceptance of the following general terms of trade. These terms take priority over the conditions of purchase that may figure on client order forms or other documents.

### 1. PRICES

Our unit prices are Ex Works Irún. The price that will be applied is the current price in the country of sale at the date of receipt of order. Orders accepted by our agents are only formalised following our confirmation.

### 2. TRANSPORT

Transportation costs will be paid for by the client. The risks of transport and problems that could occur during transportation will be at the expense of the client, even when the goods are shipped free delivered. The client will adopt the necessary measures with the transport company the moment the goods are received and will have to confirm by registered letter the event of any loss or damage caused to the goods, and send a copy of the same letter to the shipping agent.

### 3. DELIVERY TIMES, DELIVERIES, RETURNS AND COMPLAINTS

ALCAD Electronics, S.L. will only accept orders that are confirmed in writing. Delivery times are only indicative and the delays that may occur cannot be held as a reason to refuse the acceptance of the material or as a cause for compensation.

ALCAD Electronics, S.L. reserves the right to organise the delivery of the goods in one or several shipments, and to invoice the goods in accordance with the agreed terms. No return of material will be allowed without the express prior authorisation of ALCAD Electronics, S.L. In the event that the return of the material is accepted, the goods must be in perfect working condition and in their original packing and sent to us carriage-paid with a photocopy of the authorisation of the return and the initial invoice.

Any complaint regarding the delivered material must be made within the 8 days that follow the reception of the goods.

### 4. GUARANTEE

The material is guaranteed for two years following the date of the invoice for the ALCAD Electronics, S.L. products to the end client and will be validated by the presentation of the purchase document of the product in question.

The guarantee is strictly limited to the replacement of the materials supplied by ALCAD Electronics, S.L., and does not

cover any damage or breakdowns due to misuse, incorrect installation, or prohibited manipulation or handling of the materials, carried out by the client before returning the goods to ALCAD Electronics, S.L.

This guarantee does not imply any liability on part of ALCAD Electronics, S.L. for compensation or damages whatsoever.

### 5. TERMS AND CONDITIONS OF PAYMENT

Each of the agreed terms and conditions of payment will be negotiated with the client and confirmed in writing. Any delay in the agreed date of payment could be cause for an additional invoice to cover the costs of delay and damages.

### 6. RESERVE OF OWNERSHIP CLAUSE

ALCAD Electronics, S.L. reserves the rights to full ownership of the goods until the purchaser has totally satisfied the full payment of the agreed price. The purchaser is obliged to make every effort to preserve and maintain the goods in perfect order and to cover the goods with a fully comprehensive insurance policy. Should the purchaser fail to satisfy any of their obligations, ALCAD Electronics, S.L. may exercise its rights of ownership and withdraw the goods or demand the fulfilment of the obligation of payment.

### 7. COMPETENT JURISDICTION

For any question relating to the fulfilment or interpretation of the contract or its incidence, the parties, with the express renunciation of any other body or authority that may correspond to them, agree to submit any dispute to the competence of the courts and tribunals in the jurisdiction of our registered head office.

### 8. CONCERNING THIS DOCUMENT

The revisions of the designs and the manufacturing processes may obligate Alcad Electronics S.L. to modify some values and specifications of the products. Due to this fact, the technical data included in this Short Form Catalogue are indicative values, as well as the pictures and any drawing or scheme included.

Alcad Electronics S.L. reserves the right to introduce in their products without any previous notice the modifications considered necessary, this not being prejudicial to their main features. Any data or value considered transcendental when placing an order will have to be previously verified by the purchaser, contacting ALCAD Electronics S.L.

The item codes are subject to changes without previous notice.

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