

# DOOR ENTRY SYSTEMS

Video and audio intercom | Access control  
Home automation

**ALCAD**  
home







## THE SIMPLEST 100% IP SYSTEM TO INSTALL ON THE MARKET

IPAL is ALCAD's **100% IP smart home management and intercommunication system**. Its factory custom preconfiguration makes it the simplest IP system to install on the market since it does not require additional onsite programming. It is ideal for large building complexes, and very interesting in large, small, individual or collective facilities, both for new buildings and refurbished buildings. For single-family homes and offices, the IPAL Kit includes everything you need to put a basic installation into operation.

**IPAL puts the intelligent home within everyone's reach**, with functions that combine the characteristics of a video intercom system with the enormous advantages that the smart home offers. And all controlled from the same monitor, which greatly facilitates home management: record unanswered calls, create personalized scenes for your everyday life... everything is possible with IPAL. Even when you are not at home: thanks to our exclusive APP, you can manage the entire system with a mobile phone. As easy as that!

IPAL: the **intelligent home and access control system that follows your rhythm**.



### Main features:



#### Plug & Play

Factory custom preconfigured at our headquarters in Irún (Spain).



#### All-in-one security solution

Video surveillance, alarm intrusion and fire and energy management.



#### Ideal for installations with long distances

No limits for all types of buildings, from single-family homes to large urbanizations and skyscrapers. (\*)

(\*) Requires previous project (not included).



#### Bidirectional intercommunication video

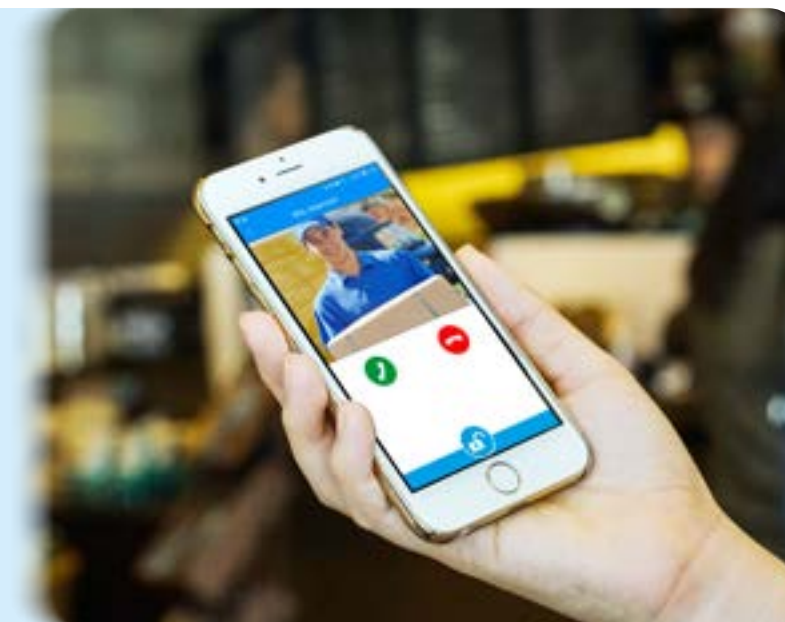
Advanced IP video intercom: unique intercom system between neighbours with two-way video.

### Manage all functions with a mobile phone

IPAL is the connected solution thanks to the free 'IPAL by ALCAD' APP for **Android** and **iOS**, which allows remote management of calls, door opening and all the home automation functions configured on the main monitor of the home or office: alarm system, energy management, video surveillance and access control.

Without the need for additional hardware, it allows the direct connection of the monitor to the Wi-Fi network that has contracted access to the internet.

Download it for:





## KABI: TAKE CONTROL OF THE WHOLE SYSTEM

Don't be fooled by the size of the 7 and 10-inch KABI monitors with capacitive touch screen. Our indoor units are the heart of the entire IPAL system and allow you to take advantage of all its possibilities: the same device is responsible for receiving and / or recording calls from the entrance panel, and at the same time it controls the integration of the home automation devices or the IP security cameras.

Their simple lines, alongside with their light tone, make it possible to install KABI monitors in any room. Their intuitive and simple menu greatly facilitates their use. And for those who spend many hours outdoors, their connection with tablets or smartphones via Wi-Fi allows the management of the entire system from anywhere in the world.

### Main features:

#### VIDEO INTERCOM FUNCTIONS

- Mobile phone functions for the reception of calls, door opening, monitoring...
- Photo and video recording.
- Call log.
- Video call intercom with concierge and / or neighbours.
- "Do not disturb" programmable function depending on the hour of the day.

#### HOME AUTOMATION FUNCTIONS

- Mobile phone functions to receive alarms, control of devices, presence simulation.
- Wireless connectivity (RF 868MHz), WiFi and wired alarms.
- RF accessories for the control of lighting, blinds, curtains, intelligent plugs or heating.
- RF Security Accessories for flood, smoke, motion, door / window.
- Wired alarms with 4 independent NO or NC circuits (MCO-300 accessory not included).
- Customizable scenes, combining alarms and home automation devices ("watching TV", "leaving home", etc.).

### Customizable interface:



To offer an even more real experience, our monitors allow you to customize the control screens in rooms where home automation devices are connected.

Take a photo of the desired room, upload it to the monitor and assign the necessary icons. And that's it!

### KABI 7" WHITE WIFI IPAL MONITOR

Operating system	Android	Android
Screen	7" capacitive touch screen	10" capacitive touch screen
Camera	Integrated front camera for video calls	Integrated front camera for video calls
Network connection	RJ45	RJ45
Power supply	PoE (or a 12VDC power supply)	PoE (or a 12VDC power supply)
Consumption	3,5W (stand-by); 6,5W (working)	5W (stand-by); 6,5W (working)
Installation type	With flushed connectors box (CME-020 model not included)	With flushed connectors box (CME-020 model not included)
Dimensions	223 x 120 x 14mm	285 x 158 x 15mm

9630074 | MVC-230

9630078 | MVC-250



TECHNOLOGICALLY  
ADVANCED  
VIDEO INTERCOMS

Our **Miru** and **Eider** entrance panels summarize the qualities that define the IPAL technology: **robustness, versatility and elegance**. Its modern design adapts to any installation and its finish, made with high quality materials, offers maximum resistance to withstand wear and tear from intensive use and the most adverse weather conditions.

In addition, our video intercoms incorporate the **iACCESS access control system** using an electronic key for the automatic opening of doors and / or direct access code (it does not include iACCESS web site management and requires factory maintenance).

The **PoE power supply**, through the same UTP cable of the installation, eliminates the need for external power supplies. They are presented with the availability of a distributor with DIN rail mounting to transmit data and power to 4 IPAL monitors through the DIV-304 model.



**MIRU**  
It combines a glass-like finish with an 8mm aluminum chassis. Its capacitive keyboard reduces the possibility of mechanical breakdowns.

9800158 | PDK-20002

WHITE ENTRANCE PANEL WITH  
CAPACITIVE KEYPAD AND RFID READER

Operating system	Linux
Camera	CMOS sensor 1.3Mpx
Screen	TFT color 3.5" with electronic directory
RFID reader	Mifare Classic type A. Compatible with iACCESS system
Network connection	RJ45
Power supply	PoE (or a 12VDC power supply)
Consumption	7W
IP protection	IP55
Installation type	With flushed connectors box (CMO-702 model not included)
Temperature range	-25°C ... +70°C
Dimensions	136 x 357mm (width x height)

**EIDER**  
Anti-vandal entrance panel mounted on an 8mm aluminum chassis that combines a glass-like finish and aluminum.



9800171 | PDK-20003

ALUMINUM ENTRANCE PANEL WITH  
MECHANICAL BUTTONS AND RFID READER

Operating system	Linux
Camera	CMOS sensor 1.3Mpx
Screen	TFT color 3.5" with electronic directory
RFID reader	Mifare Classic type A. Compatible with iACCESS system
Network connection	RJ45
Power supply	PoE (or a 12VDC power supply)
Consumption	7W
IP protection	IP55
Installation type	With flushed connectors box (CMO-703 model not included)
Temperature range	-25°C ... +70°C
Dimensions	145 x 405mm (width x height)

INTELLIGENT AND SOPHISTICATED

Their great functionalities are not incompatible with their sophistication: the **range of home automation devices** compatible with the IPAL system makes it possible to convert, quickly and easily, any home into a **modern and elegant intelligent home**: lighting, curtains and blinds control mechanisms; smoke or motion sensors; and smart plugs that save energy. Their **white glass-like finish** underlines a discreet design that combines with any decoration. Moreover, the **capacitive buttons**, by reducing the possibility of mechanical breakdown, prolongs their useful life while facilitating their cleaning.



Download it for:

IPAL intelligent thermostat

The intelligent thermostat for boiler heating system control saves energy, personalizing the environment of a room according to the hours of the day. It is possible to vary the temperature at any time, even remotely through the free APP 'IPALTherm', available for Android and iOS.

It works independently.

- **Front panel:** PC+ABS
- **Display:** backlit LCD
- **Communication:** WiFi 2,4 MHz
- **Power supply:** 95-240VAC 50/60Hz
- **Consumption:** <1,5 W
- **Dry contact maximum current:** 3 Amp
- **Setting temperature range:** 5-35 °C
- **Installation type:** flush mounted in a standard mechanism box
- **Temperature range:** 0°C ..., +55°C
- **Dimensions:** 86 x 86mm (width x height)

WIRELESS BOILER THERMOSTAT

9790006   MEC-000	<b>SCENE CONTROL TOUCH BUTTONS</b>	9790000   MEC-100	<b>DIMMING LIGHT REGULATOR TOUCH BUTTONS</b>	9790001   MEC-101	9790002   MEC-102
	<b>Function (number of buttons)</b>		Scene control (4-capacitive technology)		
	<b>Materials (colour)</b>		White tempered glass front panel		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		110-240VAC, 50-60Hz		
9790003   MEC-103	<b>No. of circuits - Type of circuits</b>		-		
	<b>Power per circuit</b>		-		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
	<b>Dimensions</b>		86 x 86mm (width x height)		
9790005   MEC-200	<b>TRIPLE SWITCH TOUCH BUTTONS</b>		<b>DIMMING LIGHT REGULATOR TOUCH BUTTONS</b>	9790004   MEC-300	9790003   HAA-001
	<b>Function (number of buttons)</b>		Regulation of dimming light (3-capacitive tech.)		
	<b>Materials (colour)</b>		White tempered glass front panel		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		110-220VAC 50Hz		
9790006   MEC-100	<b>No. of circuits - Type of circuits</b>		1 - Adjustable (Dimmer)		
	<b>Power per circuit</b>		400W@220V   200W@110V		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
	<b>Dimensions</b>		86 x 86mm (width x height)		
9790007   MEC-100	<b>BLIND/CURTAIN MOTOR CONTROL TOUCH BUTTONS</b>		<b>SWITCH TOUCH BUTTONS</b>	9790005   MEC-101	9790006   MEC-102
	<b>Function (number of buttons)</b>		Light control (1-capacitive technology)		
	<b>Materials (colour)</b>		White tempered glass front panel		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		110-240VAC 50Hz		
9790008   MEC-100	<b>No. of circuits - Type of circuits</b>		1 - ON-OFF		
	<b>Power per circuit</b>		450W@220V   225W@110V		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
	<b>Dimensions</b>		86 x 86mm (width x height)		
9790009   MEC-100	<b>TYPE F SMART PLUG</b>		<b>DOUBLE SWITCH TOUCH BUTTONS</b>	9790010   MEC-101	9790011   MEC-102
	<b>Function (number of buttons)</b>		Light control (2-capacitive technology)		
	<b>Materials (colour)</b>		White tempered glass front panel		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		110-240VAC 50Hz		
9790012   MEC-100	<b>No. of circuits - Type of circuits</b>		2 - ON-OFF		
	<b>Power per circuit</b>		450W@220V   225W@110V		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
	<b>Dimensions</b>		86 x 86mm (width x height)		
9790013   MEC-100	<b>RF REPEATER FOR HOME AUTOMATION</b>		<b>TRIPLE SWITCH TOUCH BUTTONS</b>	9790014   MEC-300	9790015   HAA-001
	<b>Function (number of buttons)</b>		Light control (3-capacitive technology)		
	<b>Materials (colour)</b>		White tempered glass front panel		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		110-240VAC 50Hz		
9790016   MEC-100	<b>No. of circuits - Type of circuits</b>		3 - ON-OFF		
	<b>Power per circuit</b>		450W@220V   225W@110V		
	<b>Max. operation time:</b>		-		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
9790017   MEC-100	<b>Dimensions</b>		86 x 86mm (width x height)		
	<b>Function (number of buttons)</b>		Blind/curtain motor control (3-capacitive tech.)	9790018   MEC-300	9790019   HAA-001
	<b>Materials (colour)</b>		White tempered glass front panel		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		110-240VAC 50Hz		
9790020   MEC-100	<b>No. of circuits - Type of circuits</b>		2 - ON-OFF		
	<b>Power per circuit</b>		400W@220V   200W@110V		
	<b>Max. operation time:</b>		5 minutes		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
9790021   MEC-100	<b>Dimensions</b>		86 x 86mm (width x height)		
	<b>Function (number of buttons)</b>		Plug (1)	9790022   MEC-300	9790023   HAA-001
	<b>Materials (colour)</b>		ABS (white)		
	<b>Communication</b>		RF band 868MHz		
	<b>Power supply</b>		220VAC 50Hz		
9790024   MEC-100	<b>No. of circuits - Type of circuits</b>		1 - ON-OFF		
	<b>Power per circuit</b>		3000W		
	<b>Max. operation time:</b>		-		
	<b>Installation type</b>		Flush mounted in standard mechanism box		
	<b>Temperature range</b>		0°C ..., +55°C		
9790025   MEC-100	<b>Dimensions</b>		86 x 86mm (width x height)		
	<b>Function (number of buttons)</b>		RF repeater	9790026   MEC-300	9790027   HAA-001
	<b>Materials (colour)</b>		ABS (black/white)		
	<b>Communication</b>		RF band 868MHz - Ethernet		
	<b>Power supply</b>		5-13V dc		
9790028   MEC-100	<b>No. of circuits - Type of circuits</b>		-		
	<b>Power per circuit</b>		-		
	<b>Max. operation time:</b>		-		
	<b>Installation type</b>		Surface mounted		
	<b>Temperature range</b>		5°C ..., +55°C		
9790029   MEC-100	<b>Dimensions</b>		170 x 115 x 29 mm		

9790007 | HAA-000

## WIRELESS SENSOR CONVERTER

Function (number of buttons)	Wireless sensor connection interface
Materials	ABS (white)
Communication	RF conversor from 433MHz to 868MHz
Alarm	-
Detection area	-
Sound power	-
Fault indicator	-
Power supply	110-220VAC 50/60Hz
Installation type	Flush mounted in standard mechanism box
Temperature range	-10°C ... +55°C
Dimensions	86 x 86 mm

9790011 | WSN-200

## WIRELESS FLOOD SENSOR

Flood sensor
ABS (white)
RF band 433MHz
Via RF, red led and buzzer
-
85 dB/3m
Yellow Led
3Vdc (2 AA batteries, 1,5V)
Surface mounted
0°C ... +60°C
89 x 89 x 28 mm

9790012 | WSN-300

## WIRELESS SMOKE SENSOR

Smoke sensor / 1 (test)
ABS (white)
RF band 433MHz
Via RF, red led and buzzer
60 m <sup>2</sup>
85 dB/3m
-
6F22 battery, 9Vdc
Surface mounted
-10°C ... +50°C
Ø128 x 38 mm

9790013 | WSN-400

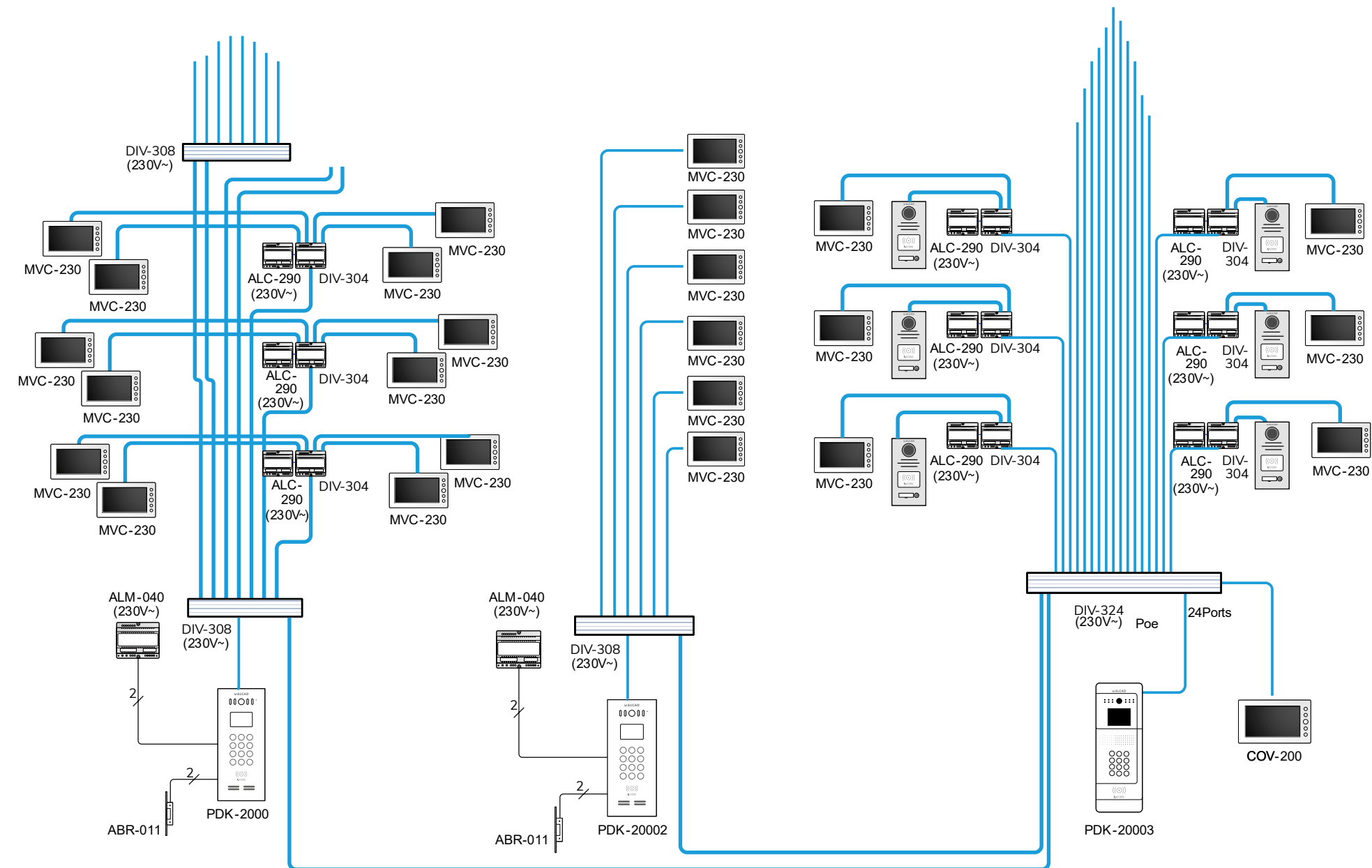
## PIR WIRELESS MOTION SENSOR

<b>Function (number of buttons)</b>	PIR motion sensor / 1 (test)
<b>Materials (colour)</b>	ABS (white)
<b>Communication</b>	RF band 433MHz
<b>Alarm</b>	Via RF
<b>Distance / angle of detection</b>	9-12 m / 110°
<b>Power supply</b>	6F22 battery, 9Vdc
<b>Installation type</b>	Surface mounted, adjustable
<b>Temperature range</b>	-10°C ... +50°C
<b>Dimensions</b>	106 x 62 x 46 mm

9790010 | WSN-500

## DOOR/WINDOW WIRELESS SENSOR

Door-window sensor / 1 (test)
ABS (white)
RF band 433MHz
Via RF and red led
-
AA battery, 1,5Vdc
Surface mounted
-10°C ... +50°C
30 x 95 x 20 mm



## IPAL KIT



## MAXIMUM PERFORMANCE IN SMALL INSTALLATIONS

The version for single-family homes by IPAL **includes everything you need for your start-up**: KABI7 7" monitor with advanced Wi-Fi functions typical of the IP system and anti-vandal recessed entrance panel with a push button and integrated RFID access control.

The possibility of adding all the devices and sensors from the IPAL catalogue makes the kit an ideal option if you want to transform a small installation into a powerful intelligent home.

9720163 | KIP-00300



### The KIT includes:

#### **9800160 PDP-20011**

1 push-button entrance panel  
(with flush-mounted box)

#### **9630074 MVC-230**

IPAL KABI7" Wi-Fi white indoor unit

#### **9740227 CME-020**

IPAL 86x86 standard flush box

#### **9730100 DIV-304**

Tap-off switch (4 outputs)

#### **9620023 ALC-290**

48V DC 65,3 VA 100-240 VAC power supply

#### **9690018 LAC-020**

Set of 5 proximity keys for residents

**ALCAD**  
#signal\_hunters

Tel. (+34) 943 639 660  
info@alcad.net  
Polígono Arreche-Ugalde, N°1  
Apdo. 455  
20305 IRÚN - Spain

**FRANCE:**  
B.P.60284 - F-64701 HENDAYE  
Tel. +34 943.63.96.60  
Fax +34 943.63.92.66

**UNITED ARAB EMIRATES:**  
Middle East FZE - P.O. Box 54830  
W5A DAFZA DUBAI  
Tel. +971 4.214.6140  
Fax +971 4.214.6147

**CZECH REPUBLIC:**  
nám. V. Mrštíka, 40  
664 81 OSTROVAČICE  
Tel. +420 546.427.059  
Fax +420 546.427.212

**TURKEY:**  
İzpark Plaza, Vezirköprü Cd. Ordu  
Sk. N:23A D:29 - 34880 KARTAL/  
ISTANBUL Tel. +90 216.380.93.17  
Fax +90 216.380.93.63

