SECURITY
CATALOGUE 2017

CAME

CAME

CONTENTS

WE SPEAK ABOUT QUALITY LIVING IN EVERY LANGUAGE

CAME has nourished people's needs for over 60 years by using technology as a key to a quality life. All our projects and ideas drive our innovation and focus to make people's lives as comfortable as possible. This mission is crystal clear, yet complex. And this is where our company's skills and experience come into play. We know how to blend functionality and design to keep our quality at state-of-the-art levels.

These are ambitious projects. They testify as to the importance of being forward-looking - within the realms of reality – to build works that make us proud of what we do. Technological works that we've partnered with the current movers and shakers, who are changing the way we approach the world.


CAME HEADQUARTER

CAME

CAME URBACO CAME PARKARE CAME GO CAME BPT

CAME
A BRAND NEW FUTURE.

From a multi-brand group to a global brand, CAME's new identity is all about ground-breaking innovation. We are headed towards new opportunities.

A step ahead in looking at the world of automation in fresh, new ways, through the **the four laws of Human Automation** that support a new quality of life, designed **around people, because it's made by people.**

Our Group is made up of key players, all driven by the same motivation: to provide technological solutions to ensure **comfort, safety and performance to all settings,** whether at home, at work or in town.

We share common goals which override each of our specific skills. The sheer diversity makes it a truly remarkable organization.
One, great global-company.

Be technology. Stay human.

When a Group made up of many branches decides to speak to the world with one voice, it must take great care over its tone, message and audience. Knowing that being united is greater than the sum of its parts, and that the future is stronger, when its built on solid values.

CAME

STATEMENT

Our multinational role is to supply integrated, technological solutions to automate single homes, public venues and city squares. All of this is to create intelligent environments to benefit people.

MISSION

We help people to automate residential, public and urban environments, and make the areas smarter **through integrated technological solutions that guarantee convenience, security and performance.**

VISION

The perfect connection between man and technology allows us to place **people and their well-being at the centre of everything.**

01

CARE

PEOPLE ARE THE MEASURE FOR DEFINING AUTOMATION.

Every technology must be designed for people. The will to better ourselves, to excel technically, will never reduce the central role that people play in everything we do.

Life inspires us.

In a world where technology rules, we're putting people back at the center of things. Those people that staff all our branches worldwide, our collaborators, our researchers and developers, our customers. It's by thinking about how they like to live, that we come up with the right technological solutions to improve the quality of their daily lives.

It's by re-engineering our habits, our places and venues that we can come up with such a ubiquitous, yet low-key technology. From this delicate balance, we create new standards for protecting and caring for our lives.

CAME

02

ACTION

EVERY AUTOMATION SOLUTION MUST ANTICIPATE PEOPLE.

Automation is never a passive or static echnology. We must succeed in meeting peoples' needs in advance by anticipating expectations and solutions.

That's everywhere, by all means.

Our drive, to find innovative solutions before the need arises, is a matter of sensitivity and focus. It's about forecasting a future that is now rushing to meet us. Technology must be always able to distinguish diversity in venues and uses. Whether it's in residential, public or city settings, it needs to make such a place pleasant and livable.

What ensues is, **CAME Connect,** the Cloud technology for remotely exploiting all the functions of your installed devices. This means great advantages for installers and users. Once again, CAME technology drives the quality of our lifestyles.

CAME

03

MULTICULTURAL

EVERY AUTOMATION MUST RESPECT OUR WORLD CULTURES.

Automation must integrate into every cultural context to dismantle any barriers of diversity. We must create solutions that enhance and respect people as unique and global human beings.

Worldwide, together.

CAME is deeply rooted in the Italian province of Treviso. Yet its 26 business units, its capillary distribution network, its six production plants in Italy, France, Spain and England, and its sales operations based in 118 countries give the organization a broad mental and cultural perspective, which permit the company to respond in timely and effective fashion to the challenges of global competition, by offering cutting-edge solutions, custom designed for the needs of each market.

CAME

04

EXPERIENCE

EVERY AUTOMATION MUST LET PEOPLE BE FREE TO BE THEMSELVES.

Technology should not be invasive, or limiting to people. We believe that our operators should blend with users' lifestyles and their thinking.

Freedom in not just a state of mind.

In our world, we don't: limit our thinking, separate places, or label our desires. Each bit of diversity is rich, in and of itself, and creates a unique urban setting, on in which people share different views, all of which are possible.

Technology is there to improve our lifestyles. It helps us to reach every accessible space in our homes, towns and venues. It helps us in newly defining security, and in the sharing of ideas that drive new achievements.

CAME

ICON KEY

CONTROL-UNIT ITEM NAME

PXC08

Indicates the peripherals of the PXC08 control unit. This control unit is not expandable and is used on small systems that need high performance levels at low costs.

PXC48

Indicates the peripherals of the PXC48 control unit. This control unit, with its 8 inputs that can be expanded to 24 wired and 24 radio inputs, is for small-to-medium systems that require radio-based peripherals.

PXC96

Indicates the peripherals of the PXC96 control unit. This control unit, with its 8 inputs that can be expanded to 48 wired and 48 radio inputs, is for medium-to-large systems that require either wired or radio-based expansions at any time.

PXC0200

Indicates the peripherals of the PXC200 control unit. This control unit, with 8 inputs which are expandable to 128 wired and 72 radio inputs, is an excellent solution for systems that need to be highly expandable with easily settable access logics for the system's various sectors.

PXC24W

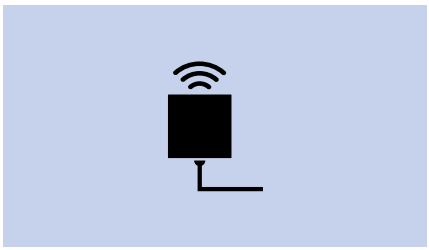
Indicates the peripherals of the PXC24W control unit. This control unit, with 24 radio inputs, is for small systems where no masonry work is needed.

PXC99W

Indicates the peripherals of the PXC99W control unit. This control unit, with 99 radio and 6 wired inputs, is for medium-to-large systems, where no masonry work is needed.

TECHNICAL FEATURES

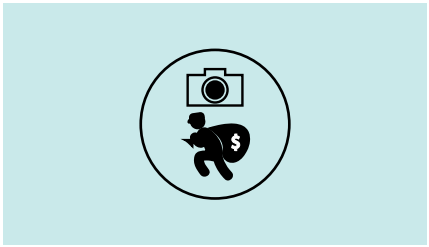
WIRELESS DEVICE
Indicates a device that communicates with other components of the system using radio frequency technology.



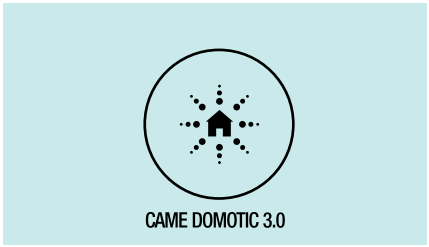
EXP
Indicates control units that feature wired and wireless expansion.

PXMANAGER
Indicates control units that can be programmed via a PC equipped with PXManager programming software.

COMPATIBILITY



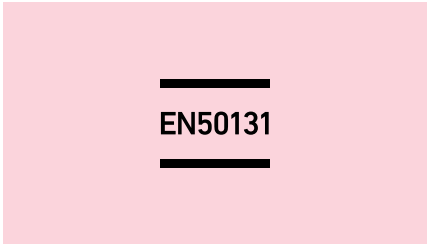
VIDEO VERIFICATION
Indicates devices that support the video verification function, i.e. the ability to record one or more images, or a video clip, following an alarm event.



HOME AUTOMATION
Indicates the control units that can talk with the home-automation system **CAME** Domotic 3.0.

CAME CLOUD
Indicates the control units that be connected to the CAME CLOUD.

REGULATIONS AND COMPLIANCE



EN 50131
Product complies with the EN 50131 series standards where applicable.

CODE and ID CODE

Each product is represented by a CODE and an ID.
When ordering you must provide the code and ID for each product.

SIX CONTROL UNITS

For all protection requirements

Boasting decades of experience, today CAME stands for the latest generation of burglar-poof products, all with innovative characteristics. The broad and exhaustive range of control units lets you control up to 200 inputs.

The basic, entry-level model is the PXC08 for small systems requiring high-performance levels: it features eight programmable inputs, on-board keypad and inserter for transponder keys. The container can also house PSTN and/or GSM telephone diallers.

The PXC48, PXC96, and PXC200 are the expandable models. These can be expanded in radio mode with the corresponding WiFi peripherals, and with expansion modules over the bus line.

The range is completed by the PXC24W and PXC99W radio control units with built-in display and keypad, that along with the characteristics of the whole range, include easy-installation wireless systems.

The control units can be connected via a special interface to a LAN, and thus be accessible by portable devices (PCs, smartphones, tablets) via a local connection or over the internet by connecting to the Came Cloud.

The system also feature an alarm video verification function. Thanks to special detectors with cameras on board, it is possible to obtain a sequence of images or a video clip linked to an alarm event, making it possible to discriminate between any false alarms and the actual presence of intruders in the protected environment.

The latest generation CAME DOMOTIC APP, is simple and intuitive, and gives users complete control over their system.

They are expandable with specific wireless devices or expansion modules on bus.
Up to 200 inputs.

Can be integrated with the CAME Domotic 3.0. home-automation system.

CAME CLOUD

CAMECONNECT
CLOUD CONNECTED TECHNOLOGY

Connect to the CAME cloud via CAME Connect technology for complete remote control by users when managing their own systems and by the installer for telecommunications all on one line procedures.

CAME

Manage locally or remotely via graphic maps using the Came Domotic App.

Video-verification function. Frames and footage from the alarm events.

MEMBER KNX

Can be integrated with KNX systems through a special interface.

SELECTION GUIDE

CONTROL UNITS






	ID		PXC08	PXC48	PXC96	PXC200	PXC24W	PXC99W
	CODE		846AA-0010	846AA-0020	846AA-0030	846AA-0040	846AA-0100	846AA-0050
PICTURE	CODE/ID	DESCRIPTION						
	846NC-0010 PX8I	8-input control unit expansion module	-	1 PX8I module and 1 PX8IR module or 2 PX8IR modules	1 PX8I module and 4 PX8IR modules or 5 PX8IR modules	1 PX8I module and 14 PX8IR modules or 15 PX8IR modules	-	-
	846NC-0020 PX8IR	Expansion module - 8 inputs on bus	-				-	-
	846NC-0030 PX8OR	Expansion module - 8 outputs on bus	-	Up to 2	Up to 5	Up to 15	-	-
	846CA-0020 PXKIN 846CA-0030 PXKIB	LED keypad	Up to 4 wired keypad	Up to 4 keypads (1 wired LCD - 3 radio or wired)	Up to 8 keypads (1 wired LCD - 7 radio or wired)	Up to 16 keypads (1 wired LCD - 15 radio or wired)	-	Up to 7 radio or wired keypads
* 	846CA-0010 PXKD	LCD keypad	Up to 4 wired keypad	Up to 4 keypads (1 wired LCD - 3 radio or wired)	Up to 8 keypads (1 wired LCD - 7 radio or wired)	Up to 16 keypads (1 wired LCD - 15 radio or wired)	-	Up to 7 radio or wired keypads
* 	846CA-0050 PXKTN01 846CA-0040 PXKTB01	Capacitive LCD keypad	Up to 4 wired keypad	Up to 4 keypads (1 LCD wired - 3 wireless or wired)	Up to 8 keypads (1 wired LCD - 7 radio or wired)	Up to 16 keypads (1 wired LCD - 15 radio or wired)	-	Up to 7 radio or wired keypads
	846CA-0060 PXTS4.3B	Terminal touch screen	Up to 4	Up to 4	Up to 4	Up to 4	Up to 4	Up to 4
	846CC-0010 PXITU	Reader for transponder key	Up to 4	Up to 4	Up to 8	Up to 16	-	Up to 2
	846CC-0020 PXTAG01	Transponder key	Up to 16	Up to 20 (99 with PXV256 card)	Up to 50 (99 with PXV256 card)	Up to 50 (99 with PXV256 card)	-	Up to 20
	846NC-0050 PXTEL	PSTN module	Yes (optional)	Built-in	Built-in	Built-in	-	Built-in
	846NC-0060 PXGSM	GSM module	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)
	846NC-0090 PXGPRS	GPRS module	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)
	846NC-0070 PXV64	Voice card	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Built-in	Built-in
	846NC-0080 PXV256	Voice card	No	Yes (optional)	Yes (optional)	Yes (optional)	-	-
	846NC-0100 PXLAN 846NC-0110 PXWEB	LAN cards	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)

CONTROL UNITS

	ID		PXC08	PXC48	PXC96	PXC200	PXC24W	PXC99W
	CODE		846AA-0010	846AA-0020	846AA-0030	846AA-0040	846AA-0100	846AA-0050
PICTURE	CODE/ID	DESCRIPTION						
	846NC-0130 PXWRX	Wireless receiver	-	Up to 2	Up to 8	Up to 16	-	Up to 2
	846EA-0010 PXWIR01	IRP radio volumetric detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0040 PXWDT 846EA-0050 PXWDTPI	Double technology radio volumetric detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0020 PXWCOB01 846EA-0030 PXWCOM01	Wireless perimeter detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0080 PXWIRCB	Wireless curtain-effect PIR detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0090 PXWDTCB 846EA-0100 PXWDTCM	Wireless curtain-effect DT detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0110 PXWDTCL	Wireless curtain-effect DT detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0060 PXWIRFC01 846EA-0070 PXWIRWFC01	Wireless PIR detector with camera	-	Up to 6	Up to 6	Up to 6	Up to 6	Up to 6
	846EA-0120 PXWIRCE	Radio-based, curtain-effect IRP, outdoor detector	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846EA-0130 PXWDTVE	Wireless volumetric DT detector for outdoor use	-	24 inputs inputs	48 inputs inputs	72 inputs inputs	24 inputs inputs	99 wireless inputs
	846CA-0070 PXWRC01	4-channel remote control	-	Up to 8	Up to 32	Up to 32	Up to 32	Up to 32
 *	846CA-0080 PXWRC16	16-channel remote control	-	Up to 8	Up to 32	Up to 32	Up to 32	Up to 32
	846CA-0100 PXWKTN01 846CA-0090 PXWKTB01	Wireless capacitive LCD keypad	-	Up to 4 keypads (1 LCD wired - 3 wireless or wired)	Up to 8 keypads (1 wired LCD - 7 radio or wired)	Up to 16 keypads (1 LCD wired - 15 wireless or wired)	Up to 8 inputs	Up to 7 radio or wired keypads
	846LA-0010 PXWSE01	Wireless siren for outdoor use	-	Up to 2	Up to 4	Up to 8	Up to 2	Up to 4

* Except for systems made with the PXC08, PXC24W and PXC99W control units, each system must include at least one PXKD, PXKTN01, PXKTB01 hard-wired LCD keypad.

WIRED CONTROL UNITS

PXC08

The PXC08 is a programmable control unit with 8-inputs. It has a keypad and display which can be used to manage the system and program the functional parameters. It features a transponder key reader which, thanks to a special electronic key, allows the systems to be armed, disarmed and partialised. The inputs can be grouped into eight individually programmable areas.

There are four programmable outputs, which can be paired with control unit events or activated remotely.

An RS485 bus line can connect up to four keypads and four transponder readers.

The PSTN PXTEL module and the PXV64 voice card, that can be installed in the control unit, are for transmitting alarms by voice. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message.

The PXV64 card also features voice guidance for remote control which, by calling the control unit, makes it possible to perform a variety of control operations (activating and deactivating the control unit, querying the power and fuse status, querying the event log, querying and activating outputs) assisted by voice messages.

The PXC08 can be completed with the GPRS PXGPRS module for transmitting alarms even over the GSM network. This module can be used to transmit alarms in SMS format and perform remote control operations again described by SMS messages.
The PXGPRS also allows:

- Direct internet connection to the Cloud for remote control
- Managing the system via CAME Domotic App
- Connection to a LAN using the PXDGETH dongle
- Connecting to a WiFi network using the PXDGWF dongle

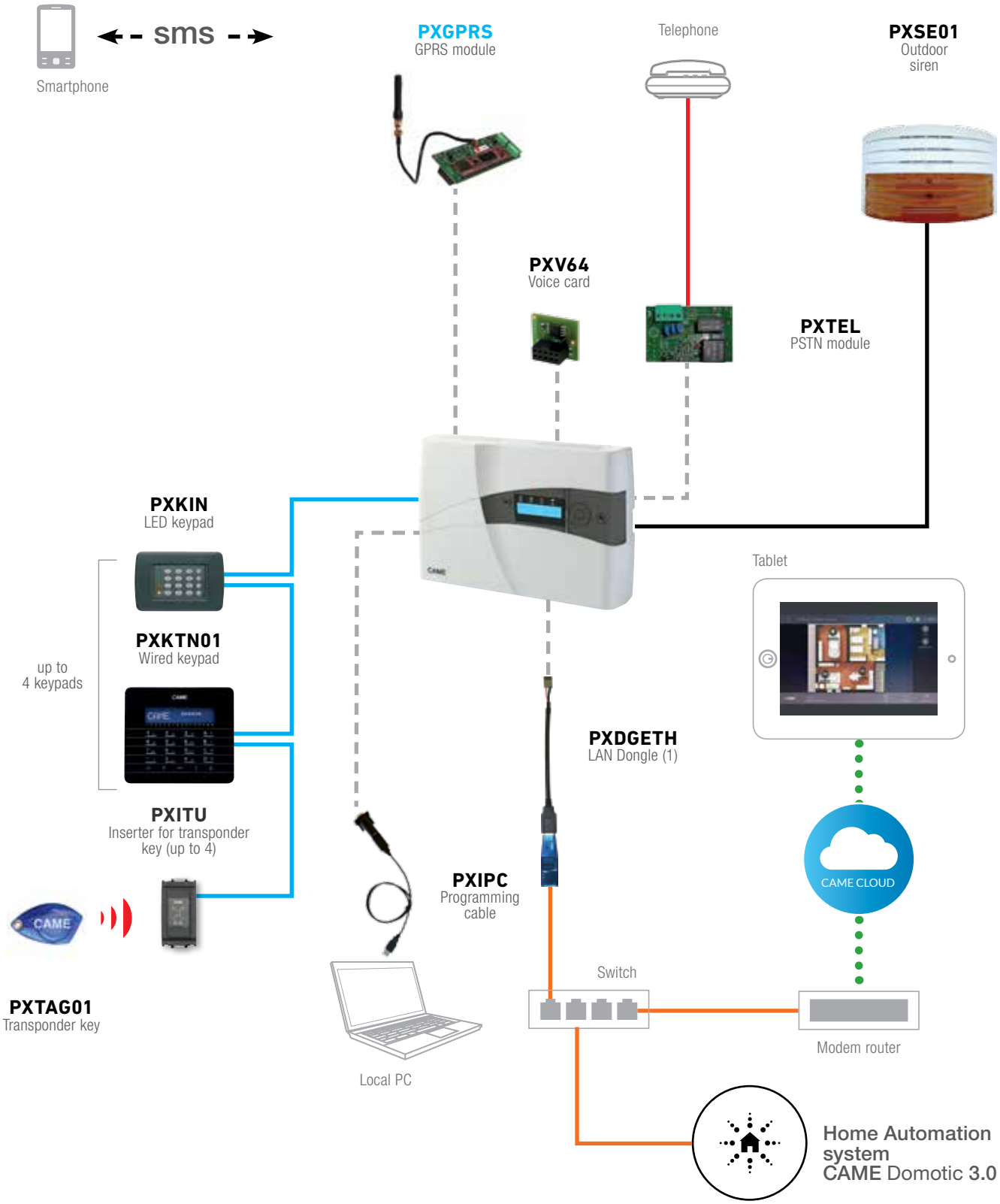
Via the LAN connection, it is then possible to connect the control unit to the CAME Domotic 3.0 home automation system in order to achieve centralised control and full integration between the two systems.

A daily scheduler is included for automatically managing the various functions of the control unit at preset times.

Programming operations can be carried out using the PX Manager Software by connecting your PC to the RS232 port provided on board or reaching the control unit via the LAN.

The PXC08 is an excellent solution for small systems that require low performance and cost.

Example installation of the PXC08 control unit



- LAN network
- INTERNET
- RS485 Bus
- PSTN Line
- Internal connection
- Standard connection
- Radio connection

(1) PXDGETH dongle to connect to the PXGPRS module.

The **PXC08** control unit

Burglar alarm system control unit with eight inputs and built-in keypad and display. Transponder key reader provided on board. Four programmable outputs. Four areas for system management. RS485 bus line for connection of keypads and remote transponder key readers. Internally installable PSTN and GSM modules. Can be connected to the LAN through a special interface. Programmable from keypad or PC. Supplied with one transponder key.

PXC08
846AA-0010

EN50131

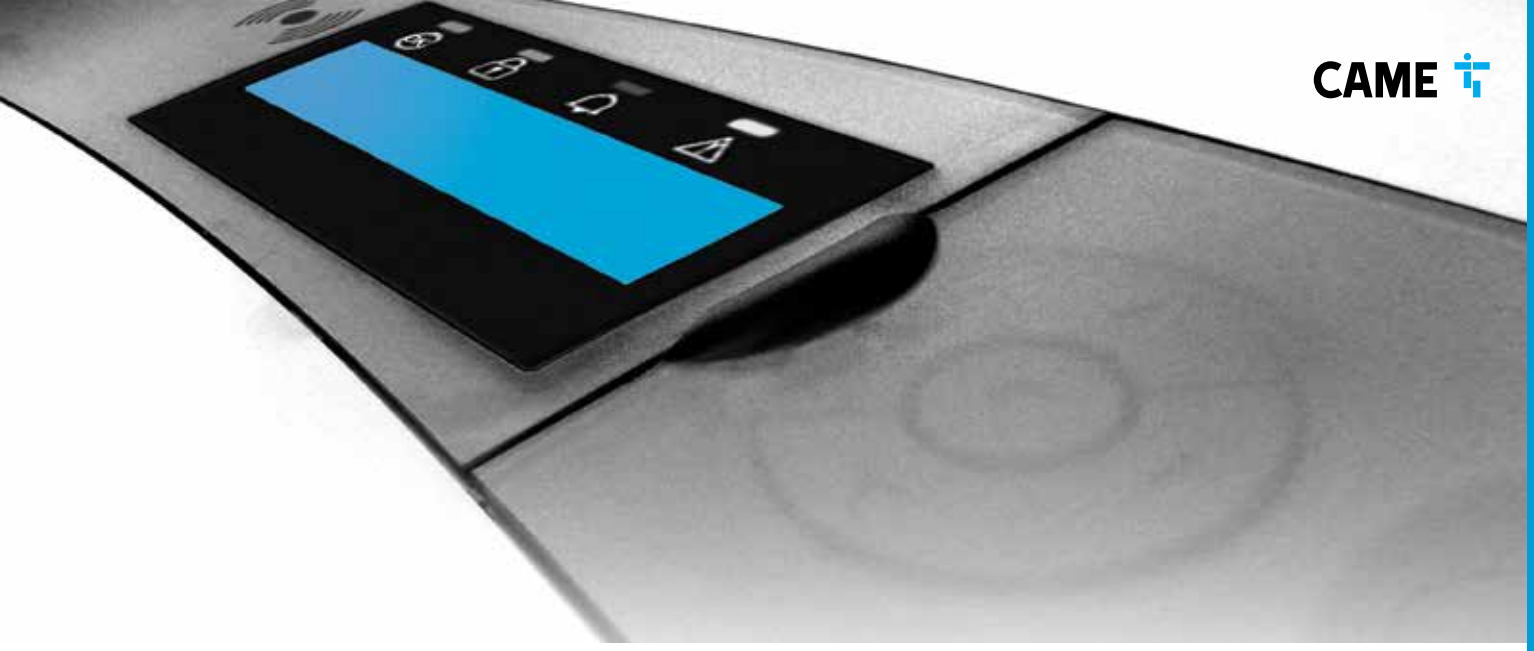
CAME CLOUD

CAME DOMOTIC 3.0

PX MANAGER

TECHNICAL FEATURES

Power supply	230 V AC –15% + 10% 50/60 Hz
Control board current draw (excluding battery charger and accessories boards)	70 mA
Current	1 A
Transformer	25 VA
Battery	7.2 Ah
Protection rating	IP30
Dimensions	350 x 230 x 85 mm
Weight (without battery)	1.7 kg
Container material	ABS
Operating temperature	From -10 ° to +40 °C
Storage temperature	From -10 ° to +50 °C
Relative humidity during operation	75% RH non-condensing
Relative humidity during storage	75% RH non-condensing
Regulatory compliance	EN 50131-6; EN 50131-3 Grade 2 Environmental Class II



FUNCTIONAL FEATURES

Basic control unit inputs	8
Control unit relay outputs	1
Programmable control-unit outputs	4
Built-in keypad	Yes
Built-in transponder reader	Yes
Bus	1 x RS485 line
Areas	4
Scenarios	6
Readers	4
Wired keypads	4
Keys	16
User codes	16
Programmable timer	Daily On/Off control unit and outputs
Events	250
PSTN module	PXTEL module
GSM or GPRS module	PXGSM or PXGPRS module
Control via SMS	With PXGSM or PXGPRS module
Remote control with voice guidance	With PXV64 voice card and PXTEL, PXGSM or PXGPRS modules
Communication port	RS232
LAN connection	With PXLAN or PXWEB card or with PXGPRS module and PXDGETH LAN dongle
Remote programming via internet	Yes
Connection to home automation system	Via LAN

PXC48

The PXC48 is a programmable control unit with eight inputs - expandable to 24 wired inputs and 24 radio inputs. To expand the eight standard inputs you can install the PX8I eight input module into the control unit, plus one PX8IR expansion module by connecting them to the system's RS485 bus line, or, alternatively, two PX8IR modules. Also, by connecting the PXWRX radio expansion module to the BUS line, you can add 24 radio inputs to the system and upgrade the total inputs, both wired and radio, to 48. The inputs can be grouped into four individually programmable areas - each area can be programmed to manage outputs, access codes, keypads inserters, and and any telephone numbers associated to it.

There are four programmable outputs on board which can be expanded to 20, using two PX8OR remote expansion modules with eight outputs connected on the bus. All the outputs are programmable, and can therefore be paired with control unit events or activated remotely.

It is also possible to connect up to four keypads and four PXIT transponder readers on the bus line.

The on-board PSTN module is for transmitting alarms signals in digital form to security operators and can be coupled by a PXV64 or a PXV256 voice card for transmitting voice alarms. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message.

The PXV64 (or PXV256) card also features voice guidance for remote control which, by calling the control unit, makes it possible to perform a variety of control operations (activating and deactivating the control unit, querying the power and fuse status, querying the event log, querying and activating outputs) assisted by voice messages.

The PXC48 can be completed with the PXGPRS module for transmitting alarms even over the GSM network. This module can be used to transmit alarms in SMS format and perform remote control operations again described by SMS messages. PXGPRS also allows:

- Direct internet connection to the Cloud for remote control
- Managing the system via the CAME Domotic App
- Support for video verification function
- Connection to a LAN using the PXDGETH dongle
- Connecting to a WiFi network using the PXDGWF dongle

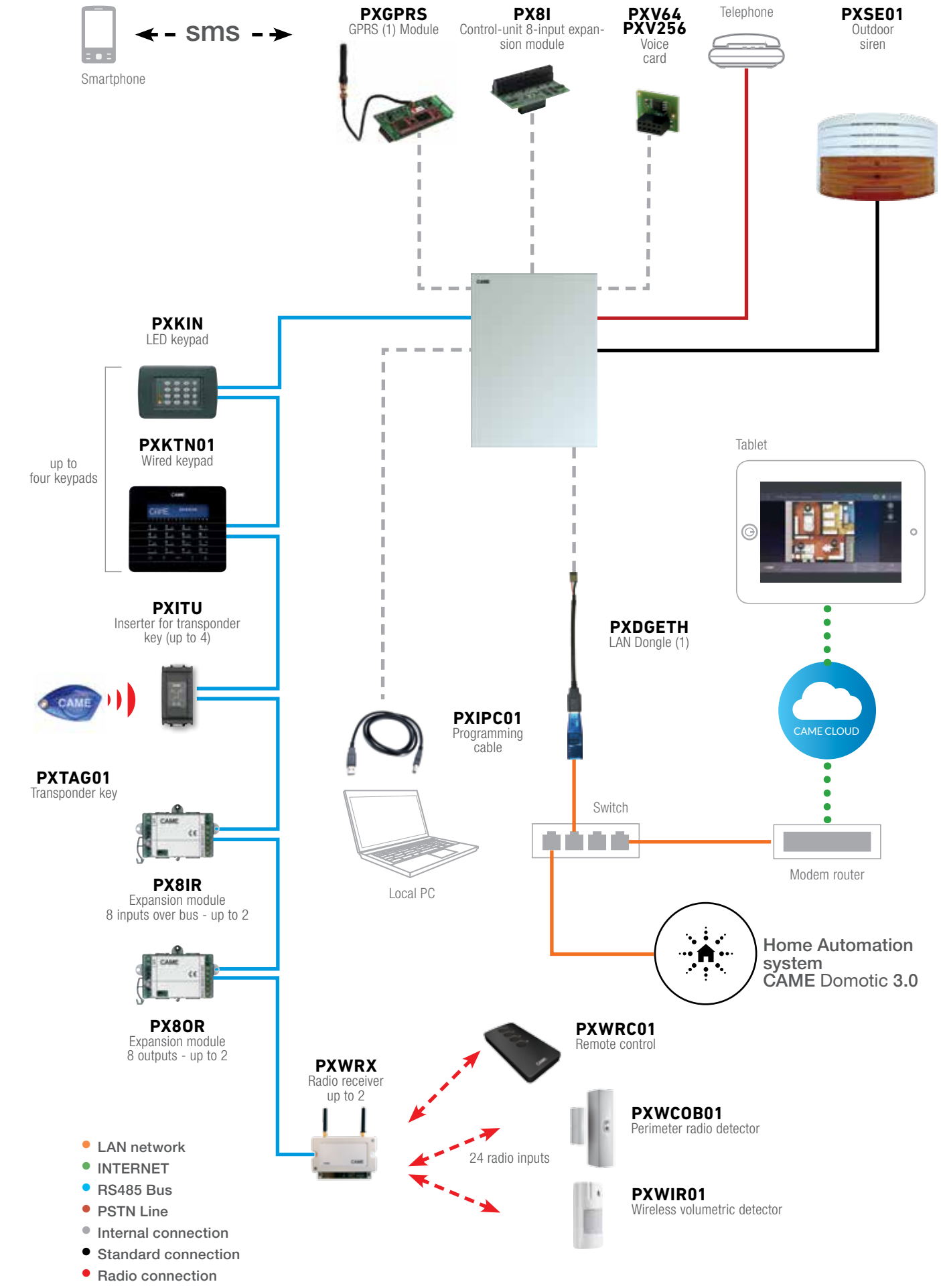
Via the LAN connection, it is then possible to connect the control unit to the CAME Domotic 3.0 home automation system in order to achieve centralised control and full integration between the two systems.

There is a weekly scheduler for automatically managing the various control unit functions at preset times.

Programming may be done using the PX Manager software by connecting up a PC to the on-board USB port or over the LAN and from the control unit.

The PXC48 is an excellent solution for small-to-medium systems if radio peripherals are required.

Example installation of the PXC48 control unit



(1) PXDGETH dongle to connect to the PXGPRS module.

The **PXC48** control unit

Burglar alarm with eight wired inputs, expandable to 24 wired and 24 radio inputs. Four outputs expandable to 20; Four areas for system management. RS485 bus line for connecting to keypad expansion modules and transponder key readers. Built-in PSTN module. Can be connected to the LAN through a special interface.

PXC48
846AA-0020

EN50131

CAME CLOUD

CAME DOMOTIC 3.0

PX MANAGER

TECHNICAL FEATURES

Power supply	230 V AC –15% + 10% 50/60 Hz
Control current draw (excluding battery charger and accessories boards)	70 mA
Current	1 A
Transformer	20 VA
Battery	7.2 Ah
Protection rating	IP30
Dimensions	305 x 215 x 70 mm
Weight (without battery)	2.7 kg
Container material	Metal
Operating temperature	From -10 ° to +40 °C
Storage temperature	From -10 ° to +50 °C
Relative humidity during operation	75% RH non-condensing
Relative humidity during storage	75% RH non-condensing
Regulatory compliance	EN 50131-6; EN 50131-3 Grade 2 Environmental Class II

FUNCTIONAL FEATURES

Basic control unit inputs	8
Control-unit inputs expansion Bus-line inputs expansion	16 The control unit manages 1 expansion module 8 PX8I control unit inputs and 1 PX8IR bus expansion module, or two PX8IR modules
Radio inputs	24 (with PXWRX module)
Total inputs	24 wired+ 24 radio
Control unit relay outputs	1
Programmable control-unit outputs	4
Bus programmable outputs	16 (with 2 PX8OR modules)
Total programmable outputs.	20
Built-in keypad	No
Bus	1 x RS485 line
Areas	4
Scenarios	32
Readers	4
*Keypads (wireless or wired)	4 (1 LCD wired -3 wireless or wired)
Keys	20 (99 with PXV256 card)
Transmitters	8
Radio sirens	2
User codes	20 (99 with PXV256 card)
Programmable timer	Weekly for complete system management
Events	250 (999 with PXV256 card)
PSTN module	Built-in
GSM or GPRS module	PXGSM or PXGPRS module
Control via SMS	With PXGSM or PXGPRS module
Remote control with voice guidance	With PXV64 or PXV256 voice card
Communication port	USB
LAN connection	With PXLAN or PXWEB card or with PXGPRS module and PXDGETH LAN dongle
Remote programming via internet	Yes
Connection to home automation system	Via LAN

*** At least one PXKD - PXKTN01 - PXKTB01 hard-wired LCD keypad must be added.**

PXC96

The PXC96 is a programmable control unit with eight inputs - expandable to 48 wired and 49 radio inputs. To expand the eight basic inputs you can use a PX8I eight input module inside the control unit itself and four PX8IR expansion modules to connect up to the RS485 bus line, which the system already has, or, five PX8IR modules. Also, by connecting the PXWRX radio-expansion module to the bus-line you can add 48 radio inputs to the system to upgrade the total number of inputs, i.e. wired and radio, to 96. The inputs can be grouped into eight individually programmable areas - an area can be programmed to manage outputs, access codes, keypads and any associated telephone numbers.

There are four on-board programmable outputs - expandable to 44, by using 5 PX8OR eight output remote expansion modules to connect up to the bus. All the outputs are programmable, and can therefore be paired with control unit events or activated remotely.

It is also possible to connect up to eight keypads and eight PXIT transponder readers on the bus line.

The on-board PSTN module is for transmitting alarms signals in digital form to security operators and can be coupled by a PXV64 or a PXV256 voice card for transmitting voice alarms. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message.

The PXV64 (or PXV256) card also features voice guidance for remote control which, by calling the control unit, makes it possible to perform a variety of control operations (activating and deactivating the control unit, querying the power and fuse status, querying the event log, querying and activating outputs) assisted by voice messages.

The PXC96 can be complemented with the PXGPRS for transmitting alarms even over the GSM network. This module can be used to transmit alarms in SMS format and perform remote control operations again described by SMS messages. PXGPRS also allows:

- Direct internet connection to the Cloud for remote control
- Managing the system via the CAME Domotic App
- Support for video verification function
- Connection to a LAN using the PXDGETH dongle
- Connecting to a WiFi network using the PXDGWF dongle

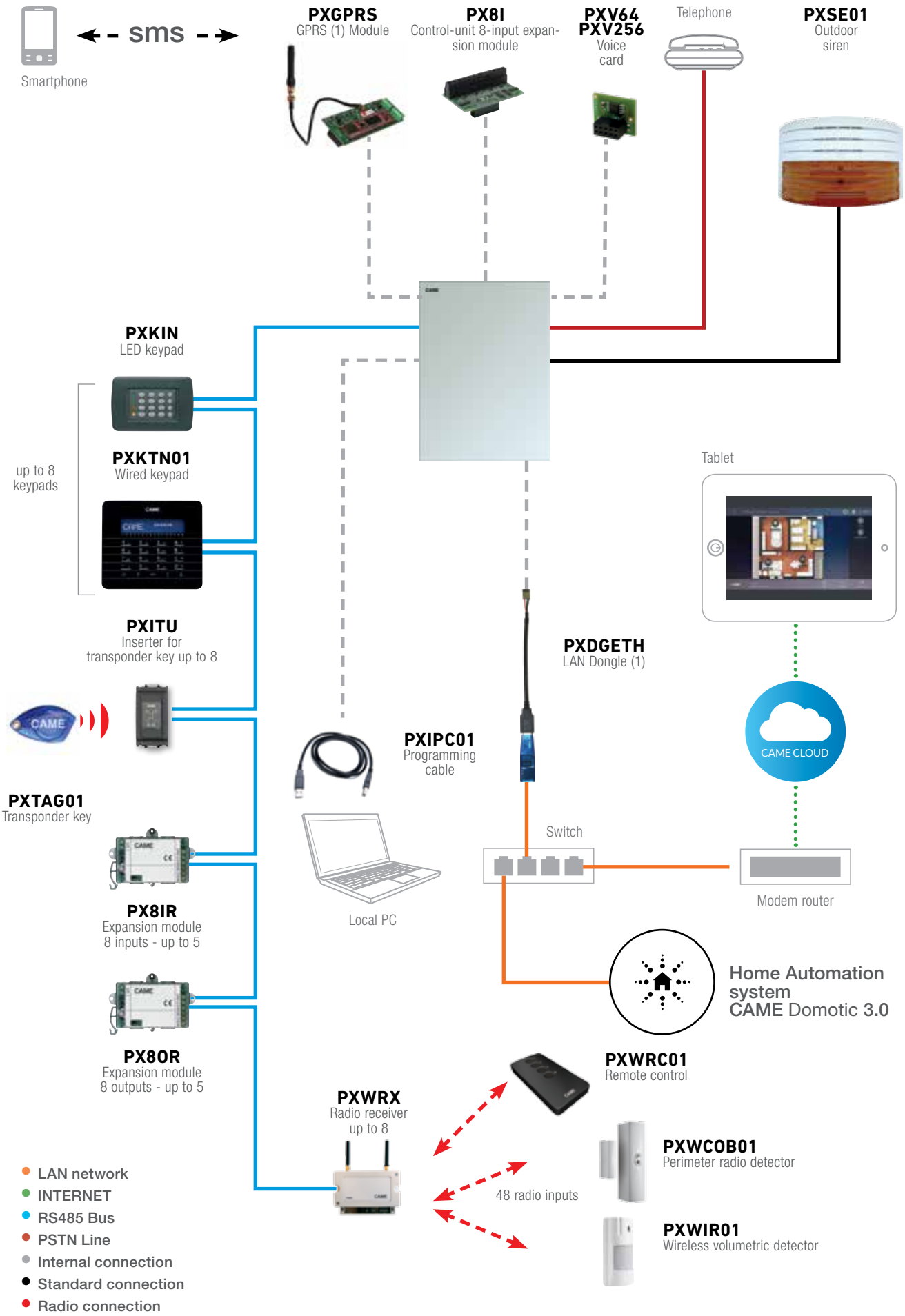
Via the LAN connection, it is possible to connect the control unit to the CAME Domotic 3.0 home automation system in order to achieve centralised control and full integration between the two systems.

There is a weekly scheduler for automatically managing the various control unit functions at preset times.

Programming may be done using the PX Manager software by connecting up a PC to the on-board USB port or over the LAN and from the control unit.

The PXC96 is the ideal solution for medium-size systems, that may require wired or radio expansions at any time.

Example installation of the PXC96 control unit



(1) PXDGETH dongle to connect to the PXGPRS module.

The **PXC96** control unit

Burglar alarm control unit with eight wired inputs, expandable to 48 wired and 48 radio inputs. Four outputs expandable to 44; eight areas for managing the system. RS485 bus line for connecting keypad expansion and transponder key reader expansion modules. Built-in PSTN module. Can be connected to the LAN through a special interface.

PXC96
846AA-0030

EN50131

CAME CLOUD

CAME DOMOTIC 3.0

PX MANAGER

TECHNICAL FEATURES

Power supply	230 V AC –15% + 10% 50/60 Hz
Control current draw (excluding battery charger and accessories boards)	70 mA
Current	1.5 A
Transformer	38 VA
Battery	7.2/17 Ah
Protection rating	IP30
Dimensions	405 x 295 x 90 mm
Weight (without battery)	4.5 kg
Container material	Metal
Operating temperature	From -10 ° to +40 °C
Storage temperature	From -10 ° to +50 °C
Relative humidity during operation	75% RH non-condensing
Relative humidity during storage	75% RH non-condensing
Regulatory compliance	EN 50131-6; EN 50131-3 Grade 2 Environmental Class II

FUNCTIONAL FEATURES

Basic control unit inputs	8
Control-unit inputs expansion Bus-line inputs expansion	40 The control unit manages 1 expansion module of 8 inputs in the PX8I control unit and 4 expansion modules on the PX8IR bus line, or 5 PX8IR modules
Radio inputs	48 (with the PXWRX module)
Total inputs	48 Wired + 48 Radio
Control unit relay outputs	1
Programmable control-unit outputs	4
Bus programmable outputs	40 (with 5 PX8OR modules)
Total programmable outputs.	44
Built-in keypad	No
Bus	1 x RS485 line
Areas	8
Scenarios	32
Readers	8
*Keypads (wireless or wired)	8 (1 LCD wired -7 wireless or wired)
Keys	50 (999 with PXV256 card)
Transmitters	32
Radio sirens	4
User codes	50 (999 with PXV256 card)
Programmable timer	Weekly for complete system management
Events	999 (9999 with PXV256 card)
PSTN module	Built-in
GSM or GPRS module	PXGSM or PXGPRS module
Control via SMS	With PXGSM or PXGPRS module
Remote control with voice guidance	With PXV64 or PXV256 voice card
Communication port	USB
LAN connection	With PXLAN or PXWEB card or with PXGPRS module and PXDGETH LAN dongle
Remote programming via internet	Yes
Connection to home automation system	Via LAN

*** At least one PXKD - PXKTN01 - PXKTB01 hard-wired LCD keypad must be added.**

PXC200

The PXC200 is an 8-input programmable control unit (expandable to 128 wired and 72 radio inputs). To expand the eight standard inputs you can install the PX8I 8-input module into the control unit plus the 14 PX8IR expansion modules by connecting them to the system's RS485 bus line, or, alternatively, the 15 PX8IR modules. Also, by connecting the PXWRX radio expansion module to the BUS line, you can add 72 radio inputs to the system and upgrade the total inputs, both wired and radio, to 200. The inputs can be grouped into 16 individually programmable areas - each area can be programmed to manage outputs, access codes, keypads and inserters and and any telephone numbers associated to it.

There are eight programmable outputs on board which can be expanded to 128, using 15 PX8OR remote expansion modules with eight outputs to be connected on the bus. All the outputs are programmable, and can therefore be paired with control unit events or activated remotely.

It is also possible to connect up to 16 keypads and 16 PXIT transponder readers on the bus line.

The on-board PSTN module is for transmitting alarms signals in digital form to security operators and can be coupled by a PXV64 or a PXV256 voice card for transmitting voice alarms. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message.

The PXV64 (or PXV256) card also features voice guidance for remote control which, by calling the control unit, makes it possible to perform a variety of control operations (activating and deactivating the control unit, querying the power and fuse status, querying the event log, querying and activating outputs) assisted by voice messages.

The PXC200 can be completed with the PXGPRS module for transmitting alarms even over the GSM network. This module can be used to transmit alarms in SMS format and perform remote control operations again described by SMS messages. PXGPRS also allows:

- Direct internet connection to the Cloud for remote control
- Managing the system via the CAME Domotic App
- Support for video verification function
- Connection to a LAN using the PXDGETH dongle
- Connecting to a WiFi network using the PXDGWF dongle

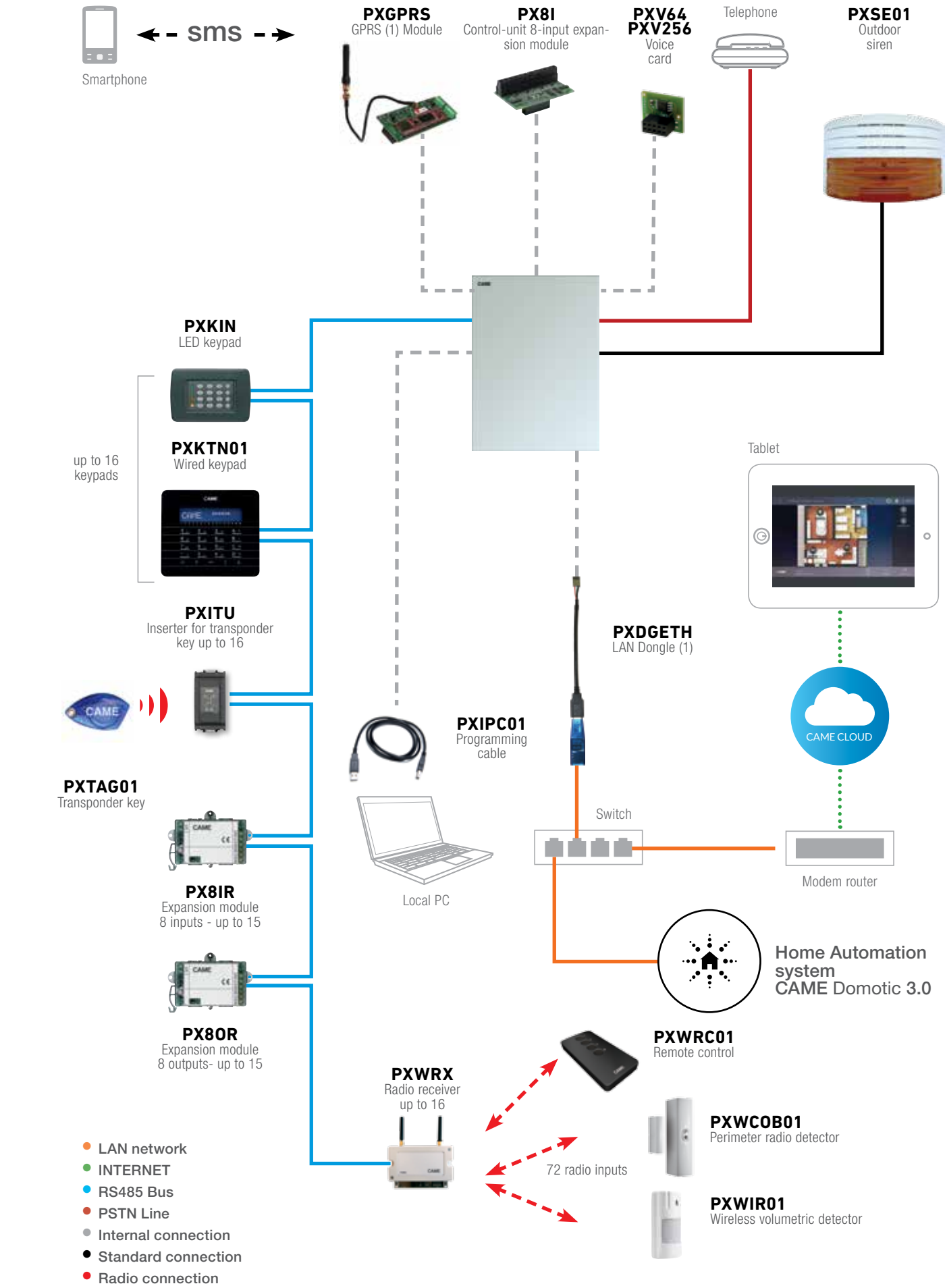
Via the LAN connection, it is then possible to connect the control unit to the CAME Domotic 3.0 home automation system in order to achieve centralised control and full integration between the two systems.

There is a weekly scheduler for automatically managing the various control unit functions at preset times.

Programming may be done using the PX Manager software by connecting up a PC to the on-board USB port or over the LAN and from the control unit.

The PXC200 is an excellent solution for systems that need to be highly expandable with easily settable access logics for the system's various sectors.

Example installation of the PXC200 control unit.



(1) PXDGETH dongle to connect to the PXGPRS module.

The **PXC200** control unit

Burglar alarm with eight wired inputs, expandable to 128 wired and 72 radio inputs. Eight outputs expandable to 128; 16 areas for managing the system. RS485 bus line for connecting keypad expansion and transponder key reader expansion modules. Built-in PSTN module. Can be connected to the LAN through a special interface.

PXC200
846AA-0040

EN50131

CAME CLOUD

CAME DOMOTIC 3.0

PX MANAGER

TECHNICAL FEATURES

Power supply	230 V AC –15% + 10% 50/60 Hz
Current draw by card (excluding battery charger and accessories cards)	71 mA
Current	2.5 A
Transformer	52 VA
Battery	17 Ah
Protection rating	IP30
Dimensions	490 x 360 x 90 mm
Weight (without battery)	5.9 Kg
Container material	Metal
Operating temperature	From -10 ° to +40 °C
Storage temperature	From -10 ° to +50 °C
Relative humidity during operation	75% RH non-condensing
Relative humidity during storage	75% RH non-condensing
Regulatory compliance	EN 50131-6; EN 50131-3 Grade 2 Environmental Class II

FUNCTIONAL FEATURES

Basic control unit inputs	8
Control-unit inputs expansion Bus-line inputs expansion	120 The control unit manages 1 expansion module of 8 inputs in the PX8I control unit and 14 expansion modules on the PX8IR bus line, or 15 PX8IR modules
Radio inputs	72 (with PXWRX module)
Total inputs	128 Wired + 72 Radio
Control unit relay outputs	3
Programmable control-unit outputs	8
Bus programmable outputs	120 (with 15 PX8OR modules)
Total programmable outputs.	128
Built-in keypad	No
Bus	2 x RS485 lines
Areas	16
Scenarios	32
Readers	16
*Keypads (radio or wired)	16 (1 LCD wired -15 wireless or wired)
Keys	50 (999 with PXV256 card)
Transmitters	32
Radio sirens	8
User codes	50 (999 with PXV256 card)
Programmable timer	Weekly for complete system management
Events	999 (9999 with PXV256 card)
PSTN module	Built-in
GSM or GPRS module	PXGSM or PXGPRS module
Control via SMS	With PXGSM or PXGPRS module
Remote control with voice guidance	With PXV64 or PXV256 voice card
Communication port	USB
LAN connection	With PXLAN or PXWEB card or with PXGPRS module and PXDGETH LAN dongle
Remote programming via internet	Yes
Connection to home automation system	Via LAN

*** At least one PXKD - PXKTN01 - PXKTB01 hard-wired LCD keypad must be added.**

WIRELESS CONTROL UNITS

PXC24W

The PXC24W is a programmable control unit with 24 radio-inputs. It has a keypad and display which can be used to manage the system and program the functional parameters. It converses in Dual Band two-way mode with all of the wireless range devices (described in the relevant section of the catalogue). The inputs can be grouped into four individually programmable areas.

The on-board PSTN module is for transmitting voice and digital format alarms to the security and emergency services. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message, or they can be recorded using the special built-in microphone.

It comes with a voice guide for remote control. By calling the control unit users can run various control procedures such as: arming and disarming the control unit, query the state of power-supply and fuses, request a memory log, query and activate outputs - all assisted by voice messages.

The control unit can be completed by the PXGPRS module for transmitting alarms even over the GSM network. This module can be used to transmit alarms in SMS format and perform remote control operations again described by SMS messages. PXGPRS also allows:

- Direct internet connection to the Cloud for remote control
- Managing the system via the CAME Domotic App
- Support for video verification function
- Connection to a LAN using the PXDGETH dongle
- Connecting to a WiFi network using the PXDGWF dongle

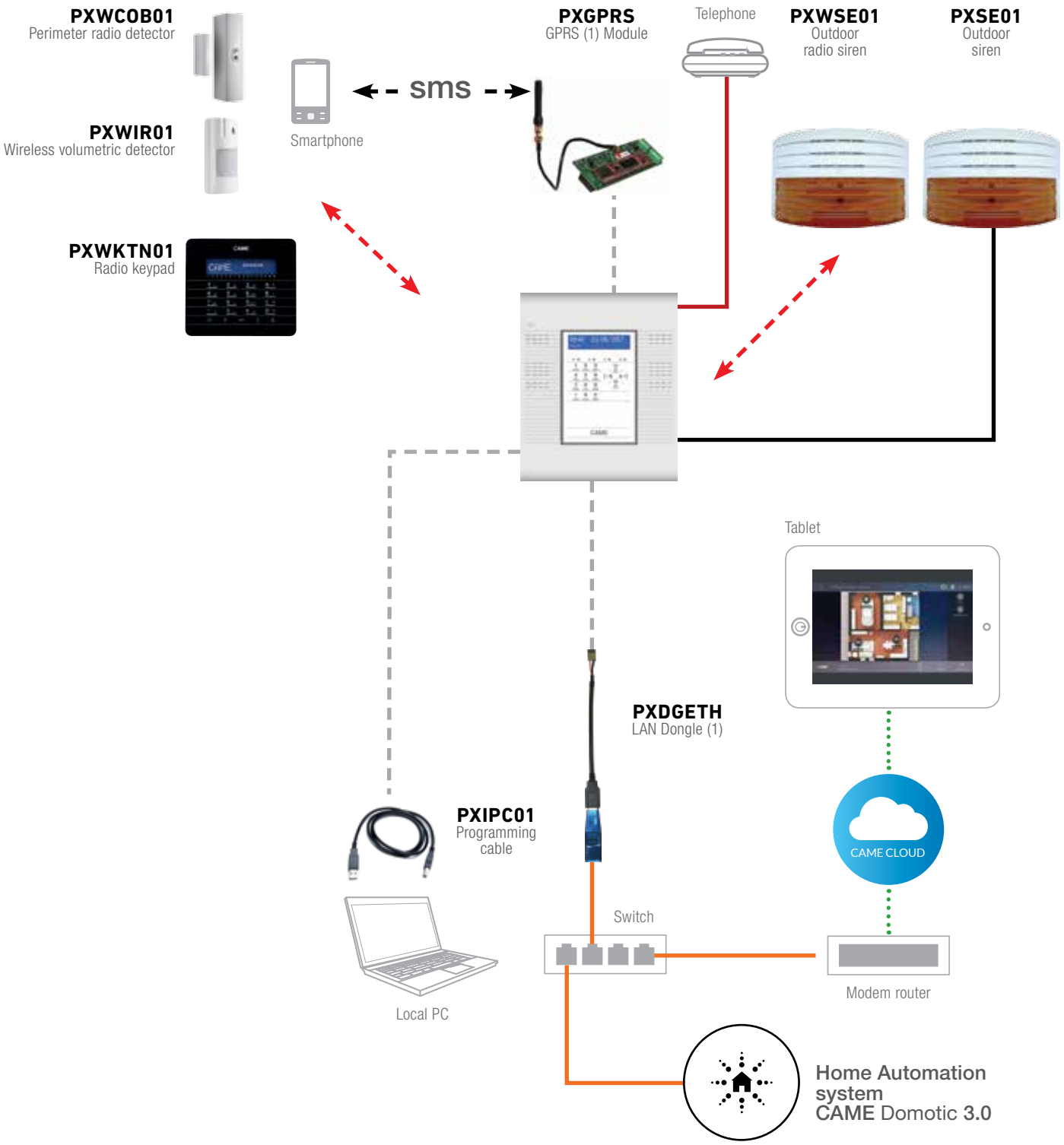
Via the LAN connection, it is also possible to connect the control unit to the CAME Domotic 3.0 home automation system in order to achieve centralised control and full integration between the two systems.

A daily scheduler is included for automatically managing the various functions of the control unit at preset times.

Programming may be done using the PX Manager software by connecting up a PC to the on-board USB port or over the LAN and from the control unit.

The PXC24W provides the usual simple installation of radio systems along with all the functions of the basic range. It is an excellent solution for small systems that require no masonry work.

Example installation of the PXC24W



- LAN network
- INTERNET
- PSTN Line
- Internal connection
- Standard connection
- Radio connection

(1) PXDGETH dongle to connect to the PXGPRS module.

The **PXC24W** control unit

Control unit with 24 radio inputs with on-board display and keypad. Four areas for system management. Built-in PSTN module. Voice synthesis for remotely managing the system. Can be connected to the LAN through a special interface. Programmable from keypad or PC.

PXC24W
846AA-0100

EN50131

CAME DOMOTIC 3.0

846AA-0100 **PXC24W** Italian voice card.
846AA-0120 **PXC24WEN** English voice card.
846AA-0110 **PXC24WFR** French voice card.

TECHNICAL FEATURES

Power supply	230 V AC –15% + 10% 50/60 Hz
Control board current draw (excluding battery charger and accessories boards)	70 mA
Current	0.4 A
Transformer	17 VA
Battery	2.2 Ah
Protection rating	IP30
Dimensions	300 x 250 x 65 mm
Weight (without battery)	1.5 kg
Container material	ABS
Operating temperature	From -10 ° to +40 °C
Storage temperature	From -10 ° to +50 °C
Relative humidity during operation	75% RH non-condensing
Relative humidity during storage	75% RH non-condensing
Regulatory compliance	EN 50131-6; EN 50131-3 Grade 2 Environmental Class II

FUNCTIONAL FEATURES

Radio inputs	24
Control-unit relay outputs	1
Built-in keypad	Yes
Built-in transponder reader	No
Siren for indoor use	Optional
Transmission	Dual Band 868.65 MHz and 433.92 MHz Two-Way
Modulation type	GFSK
Areas	4
Scenarios	16
User codes	20
Transmitters	32
Wireless keypads	8
Radio sirens	2
Programmable timer	Control-unit daily ON/OFF
Events	999
PSTN module	Built-in
GSM or GPRS module	PXGSM or PXGPRS module
Control via SMS	With PXGSM or PXGPRS module
Remote control with voice guidance	Yes
Communication port	USB
LAN connection	With PXLAN or PXWEB card or with PXGPRS module and PXDGETH LAN dongle
Remote programming via internet	Yes
Connection to home automation system	Via LAN

PXC99W

The PXC99W is a programmable control unit with 99 radio and 6 wired inputs. It has a keypad and display which can be used to manage the system and program the functional parameters. It features a siren for indoor use and a transponder key reader which, thanks to a special electronic key, allows the systems to be armed, disarmed and partialised. It converses in Dual Band two-way mode with all of the wireless range devices (described in the relevant section of the catalogue). The inputs can be grouped into eight individually programmable areas.

There are four programmable outputs, which can be paired with control unit events or activated remotely.

An RS485 BUS line lets you connect up to 7 (PXKTN01 - PXKTB01 - PXKD - PXKIN - PXKIB) wired keypads, alternatively to the radio keypads, 2 PXITU inserters for transponder keys and 2 additional PXWRX radio receivers for improving the system's range.

The on-board PSTN module is for transmitting voice and digital format alarms to the security and emergency services. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message, or they can be recorded using the special built-in microphone.

It comes with voice guidance, which, thanks to a series of voice messages related to various system statuses and events, guides the user in using the system. The voice guidance also enables remote control which, by calling the control unit, makes it possible to perform a variety of control operations (activating and deactivating the control unit, querying the power and fuse status, querying the event log, querying and activating outputs) assisted by voice messages.

The control unit can be completed by the PXGPRS module for transmitting alarms even over the GSM network. This module can be used to transmit alarms in SMS format and perform remote control operations again described by SMS messages. PXGPRS also allows:

- Direct internet connection to the Cloud for remote control
- Managing the system via the CAME Domotic App
- Support for video verification function
- Connection to a LAN using the PXDGETH dongle
- Connecting to a WiFi network using the PXDGWF dongle

Via the LAN connection, it is possible to connect the control unit to the CAME Domotic 3.0 home automation system in order to achieve centralised control and full integration between the two systems.

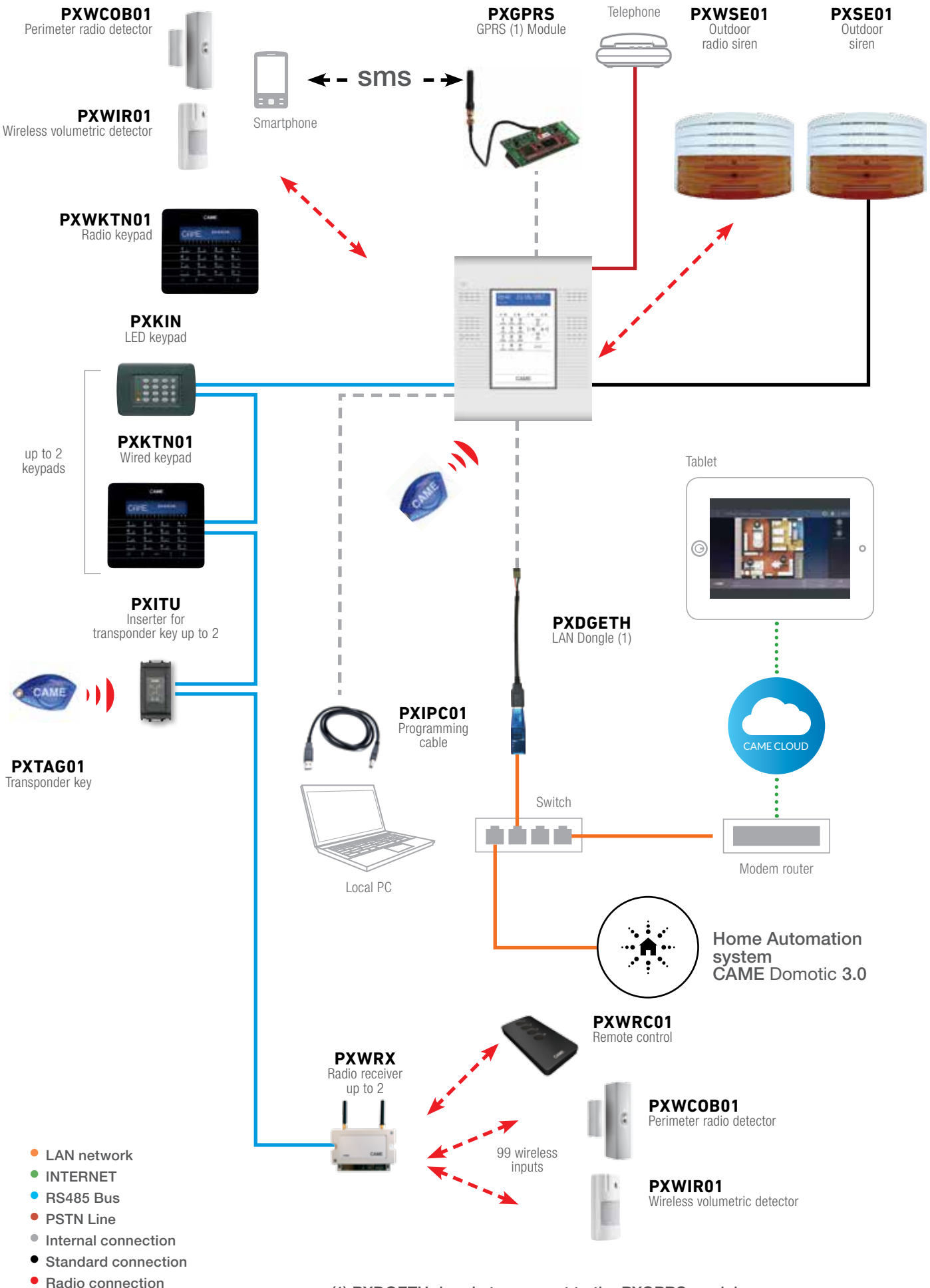
A daily scheduler is included for automatically managing the various functions of the control unit at preset times.

For simple installations, users can use the self-learning device function that allows users to program the control unit without a PC, in an easy, immediate way, with dedicated voice guidance.

For a complete programming you can use the Software PX Manager by connecting the PC to the on-board USB port or by reaching the control unit via the LAN.

The PXC99W is an excellent solution for medium-to-large systems where no masonry work is required.

Example installation of the PXC99W control unit



(1) PXDGETH dongle to connect to the PXGPRS module.

The **PXC99W** control unit

Burglar alarm system control unit with 99 wireless inputs and six wired inputs with built-in keypad, display, transponder key reader and siren for indoor use. Four programmable outputs; eight areas for managing the system. Built-in PSTN module. Built-in speech synthesis for local and remote system management. Can be connected to the LAN through a special interface. Programmable from keypad or PC.

PXC99W
846AA-0050

EN50131

CAME CLOUD

CAME DOMOTIC 3.0

PX MANAGER

846AA-0050 **PXC99W** Italian voice card.
846AA-0070 **PXC99WEN** English voice card.
846AA-0060 **PXC99WFR** French voice card.

TECHNICAL FEATURES

Power supply	230 V AC –15% + 10% 50/60 Hz
Control board current draw (excluding battery charger and accessories boards)	70 mA
Current	0.8 A
Transformer	25 VA
Battery	2.2 Ah
Protection rating	IP30
Dimensions	300 x 250 x 65 mm
Weight (without battery)	1.5 kg
Container material	ABS
Operating temperature	From -10 ° to +40 °C
Storage temperature	From -10 ° to +50 °C
Relative humidity during operation	75% RH non-condensing
Relative humidity during storage	75% RH non-condensing
Regulatory compliance	EN 50131-6; EN 50131-3 Grade 2 Environmental Class II

FUNCTIONAL FEATURES

Radio inputs	99
Wired inputs	6
Control-unit relay outputs	1
Programmable control-unit outputs	4
Built-in keypad	Yes
Built-in transponder reader	Yes
Siren for indoor use	Built-in (100 dB at 1 m)
Transmission	Dual Band 868.65 MHz and 433.92 MHz Two-Way
Modulation type	GFSK
Bus	1 x RS485 line
Areas	8
Scenarios	16
Readers	2
Keypads (radio or wired)	8 (1 on board, 7 outdoor radio or wired)
Additional wireless receivers can be connected on the bus	2
Keys	20
User codes	20
Transmitters	32
Radio sirens	4
Programmable timer	Daily ON/OFF control unit and outputs
Events	999
PSTN module	Built-in
GSM or GPRS module	PXGSM or PXGPRS module
Control via SMS	With PXGSM or PXGPRS module
Remote control with voice guidance	Yes
Communication port	USB
LAN connection	With PXLAN or PXWEB card or with PXGPRS module and PXDGETH LAN dongle
Remote programming via internet	Yes
Connection to home automation system	Via LAN

EXPANSION MODULES

EXPANSION MODULES

	CODE	ID	DESCRIPTION
	846NC-0010	PX8I	8-input control unit expansion module. For expanding the number of hard-wired inputs of the PXC48, PXC96 and PXC200 control units. It fits directly into the control unit's control board. Current draw 20 mA. Dimensions 37 x 63 x 23 mm. Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.
	846NC-0020	PX8IR	Expansion module - 8 inputs on bus. For expanding the number of hard-wired inputs of the PXC48, PXC96 and PXC200 control units. It can be connected to the control unit via the RS485 bus line. Current draw 40 mA. Dimensions 85.5 x 60 x 21 mm. Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II. Supplied complete with plastic container.
	846NC-0030	PX8OR	Expansion module with 8 inputs (4 are relays, 4 are O.C.) over bus line. It is for expanding the number of outputs of the PXC48, PXC96 and PXC200 control units. It can be connected to the control unit via the RS485 bus line. Current draw 40 mA. Dimensions 85.5 x 60 x 21 mm. Compliance with EN 50131-3 Grade 2 Environmental Class II. Supplied complete with plastic container.
	846XC-0010	EBTAM	Opening-and-tear-resistant cover for PX8IR and PX8OR.

EN50131 PXC48 PXC96 PXC200

CONTROL DEVICES

KEYPADS

	CODE	ID	DESCRIPTION
	846CA-0010	PXKD	Keypad with rubber keys. It is for programming all the parameters of the control unit and provides total control of the system via 16 different scenario launches, which are, programmed partitions, like NIGHT scenario, arming the perimeter area, outdoor area, day area, that are setin the control unit. Can be installed directly on the wall. Current draw 60 mA. Dimensions 105 x 140 x 28 mm. Regulatory compliance EN 50131-3 GRADE 2 environmental class II.
	846CA-0030	PXKIN	LED keypad. It is for launching 3 scenarios (programmed partitions e.g. “NIGHT” scenario, arming of perimeter area, outdoor area, day area) set on the control unit. Equipped with reinforcements suitable for installation with plates used in the main wiring systems on a type 503 box. Current draw 50 mA. Dimensions 66 x 45 x 50 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II. Black.
	846CA-0020	PXKIB	LED keypad. White. (Characteristics just like the PXKIN).
	846CA-0050	PXKTN01	LCD capacitative keypad with tough keys and graphic display. It is for programming all the parameters of the control unit and provides total control of the system via 16 different scenario launches, which are, programmed partitions, like NIGHT scenario, arming the perimeter area, outdoor area, day area, that are set in the control unit. It features an on-board inserter for transponder keys - to be used with the PXTAG key - plus two terminals that are freely programmable as inputs or outputs of the control unit to which it is connected (while respecting the maximum number of wired inputs and outputs for each control unit that doesn't vary when adding keypads. To cut down on consumption, the keypads are activated and illuminated via a sensor only when an operator is attending and is actually using them They can be wall-mounted or recess-mounted with the corresponding OPALESI box item (see example installation). Current draw 140 mA. Dimensions 158 x 138 x 31 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II. Black.
	846CA-0040	PXKTB01	Capacitative LCD keypad with touch keypads. White. (Characteristics just like the PXKTN01).

EN50131 PXC08 PXC48 PXC96 PXC200 PXC99W

INSERTERS

	CODE	ID	DESCRIPTION
	846CC-0010	PXITU	Reader for transponder key. When matched to the PXTAG01 transponder key it lets launch three scenarios, i.e., programmed transmissions, e.g.: NIGHT scenario launch perimeter are, outer area, daytime area) that are set up from the control unit. It shows the system status signals. It can be installed on a hole cover in a recessed wiring system (see example of installation). Current draw 100 mA. Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.
	846CC-0020	PXTAG01	Transponder key to match to the PXITU transponder inserter or other inserters that are featured on the keypads. Dimensions 56x33 mm. Blue.

EN50131 PXC08 PXC48 PXC96 PXC200 PXC24W PXC99W

Note: the PXITU transponder inserter, the inserters built into the radio control units, and those featured on-board the keypads can be also used with CAME-line operators.
- 001TST01 Transponder card format ISO 7810 - 7813.
- 009PCT Transponder key-fob

TOUCH-SCREEN TERMINALS

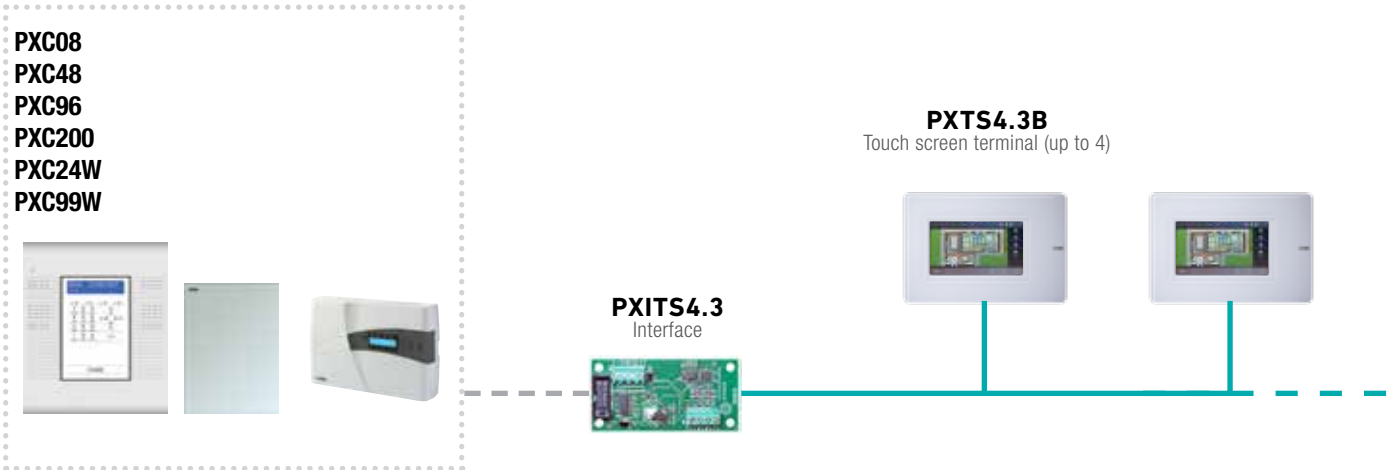
	CODE	ID	DESCRIPTION
	846CA-0060	PXTS4.3B	Touch-screen terminal. Its simple user-friendly interface lets program the control unit and have total control of the system. You can browse the control menu or view the graphic maps of the rooms around the house. Connects directly to the control unit via the PXITS43 interface (max. 4 terminals). Display 4.3” 16/9 resolution 480x272. Wall mounting. Regulatory compliance EN 50131-3. White.
	846NC-0040	PXITS4.3	Interface for connecting the PXITS43 touch-screen terminal. Can be installed directly onto the control-unit's control board. For connecting up to four, PXITS43 terminals to one control unit.

EN50131 PXC08 PXC48 PXC96 PXC200 PXC24W PXC99W

Graphic maps

The PXTS4.3B terminal is for visually managing the system via graphic maps. It can be programmed to show on the main page the general layout of the home. Selecting one of the rooms will show the sensitive icons of the detectors installed in the field to protect the selected room and case of an alarm, the detector giving the alarm will be highlighted.

Example installation



- Touch-screen terminal bus
- Internal connection

COMMUNICATION MODULES

PSTN - GSM - VOICE CARDS

The PSTN module on-board the PXC48, PXC96, PXC200 PXC24W and PXC99W control units is for transmitting digital format alarms in to the security and emergency services via Contact ID protocol. Using the PXV64 voice card, users can pair a voice message to be transmitted to a series of telephone numbers to every control unit event. The messages can be set using the dedicated TTS (Text To Speech) function, which turns written text into a voice message.

The PXV64 voice card also incorporates voice guidance for remote control. This feature allows users to call the control unit and perform a series of remote control operations assisted by specific voice messages.

By matching the GSM PXGSM module to the control units, besides transmitting the alarms and making remote control operations supported by voice guide over the GSM network, you can also remotely control the control units via SMS text messages. Using the PXGSM module, it is also possible to determine which line, either the PSTN or the GSM, will have priority for transmission and which will act as the auxiliary line if the default line proves unusable. The main operations that can be carried out remotely via PSTN and GSM line with voice guidance, or via text message, are as follows:

- Querying control unit status, arming and disarming the control unit
- Checking for faults and anomalies
- Arming and disarming areas
- Querying, activating and deactivating outputs for remote load control
- Querying inputs
- Querying event log

A second PXV256 voice card is included. This, in addition to the features of the PXV64 model, makes it possible to expand the number of user codes, transponder key codes and events that can be memorised as set out in the tables that summarise the functional characteristics of each control unit.

With the PXC08 control unit, the same considerations apply, except that the PSTN module is additional (item PXTEL) and the voice card required is the PXV64.

PSTN MODULES

	CODE	ID	DESCRIPTION
	846NC-0050	PXTEL	PSTN module. This can send control unit events to 8 telephone numbers. Digital transmission with contact ID protocol. Used with a voice card, it enables users to send voice messages and use remote control with voice guidance. Current draw 20 mA. Dimensions 74 x 74 x 32 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.

EN50131 **PXC08**

GSM MODULES

	CODE	ID	DESCRIPTION
	846NC-0060	PXGSM	GSM module. This can send control unit events to 16 telephone numbers. Transmission via text message. Used with a voice card, it enables users to send voice messages and use remote control with voice guidance. Current draw 100 mA. Dimensions 34 x 81 x 30 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.

EN50131 **PXC08** **PXC48** **PXC96** **PXC200** **PXC24W** **PXC99W**

VOICE CARDS

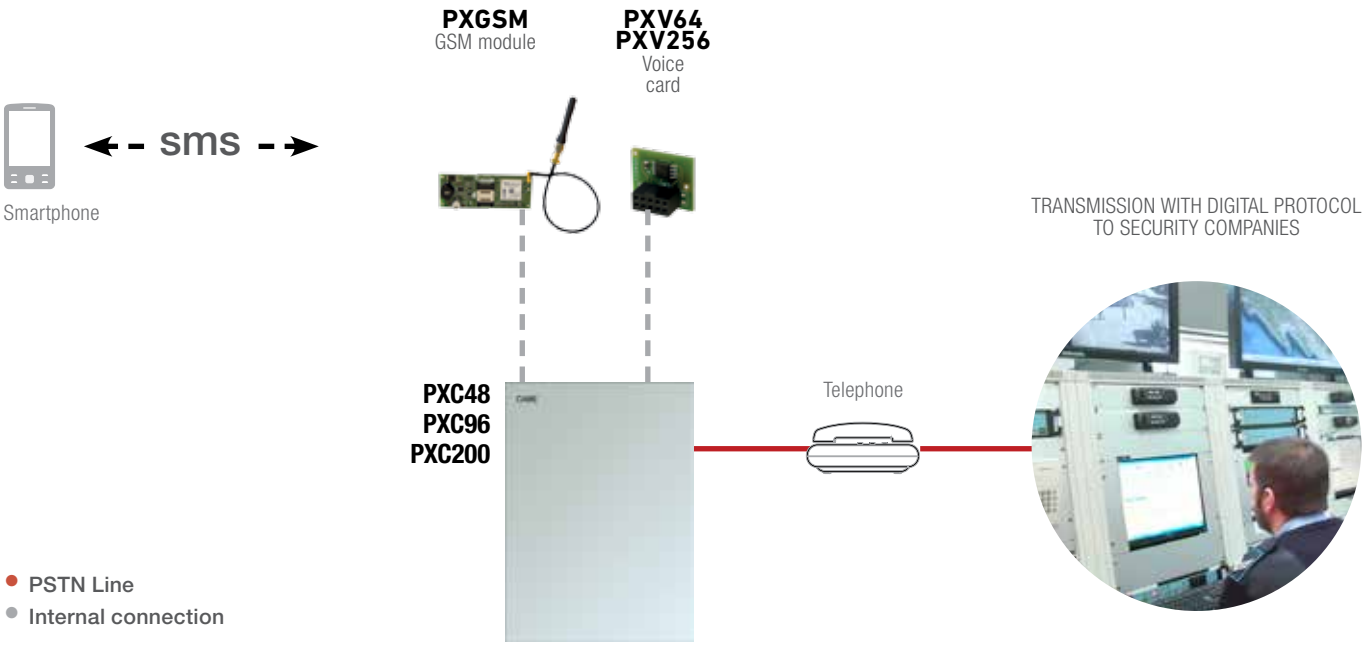
	CODE	ID	DESCRIPTION
			Voice card. This enables the transmission of alarm messages in voice form and remote control with voice guidance. It can be programmed with the TTS (Text To Speech) function that transforms voice messages into written text. Current draw 10 mA. Dimensions 22 x 22 x 12 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.
	846NC-0070	PXV64IT	Italian voice card.
	846NC-0230	PXV64EN	English voice card.
	846NC-0240	PXV64FR	French voice card.

EN50131 PXC08 PXC48 PXC96 PXC200

	CODE	ID	DESCRIPTION
			Voice card. This enables the transmission of alarm messages in voice form and remote control with voice guidance. It can be programmed with the TTS (Text To Speech) function that transforms voice messages into written text. It is also for extending user codes, key codes and the number of events to the maximum allowed values for the the PXC48, PXC96 and PXC200 (see the tables for the control units' functional characteristics). Current draw 10 mA. Dimensions 22 x 22 x 12 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.
	846NC-0080	PXV256IT	Italian voice card.
	846NC-0190	PXV256EN	English voice card.
	846NC-0200	PXV256FR	French voice card.

EN50131 PXC48 PXC96 PXC200

Example installation



GPRS

The Came Group offers a Cloud service that guarantees users a simple, secure and highly reliable connection to their system remotely via the internet. The Cloud is set up for enabling, both users to connect to the system, so they can perform remote control procedures on the system via portable devices running the specific CAME Domotic App, and installers to connect and provide tele-assistance, diagnoses and programming to users who approve.

The PXGPRS module, in addition to the typical characteristics of PXGSM module, makes use of Came Connect technology for this purpose, allowing the burglar alarm system to be connected to the Cloud via a VPN (Virtual Private Network), as follows:

- GPRS data connection. This ensures a direct, simple and reliable connection to the Cloud, very useful when no other types of connection (WiFi or LAN) are available.
- WiFi connection via PXDGWF dongle. This guarantees control unit connection to a LAN and direct connection to a PC to perform programming operations, via WiFi.
- LAN connection via PXDGETH dongle. This allows direct wired connection to a LAN and connection to a PC to perform programming operations.

With the central networked, via WiFi or LAN, you can:

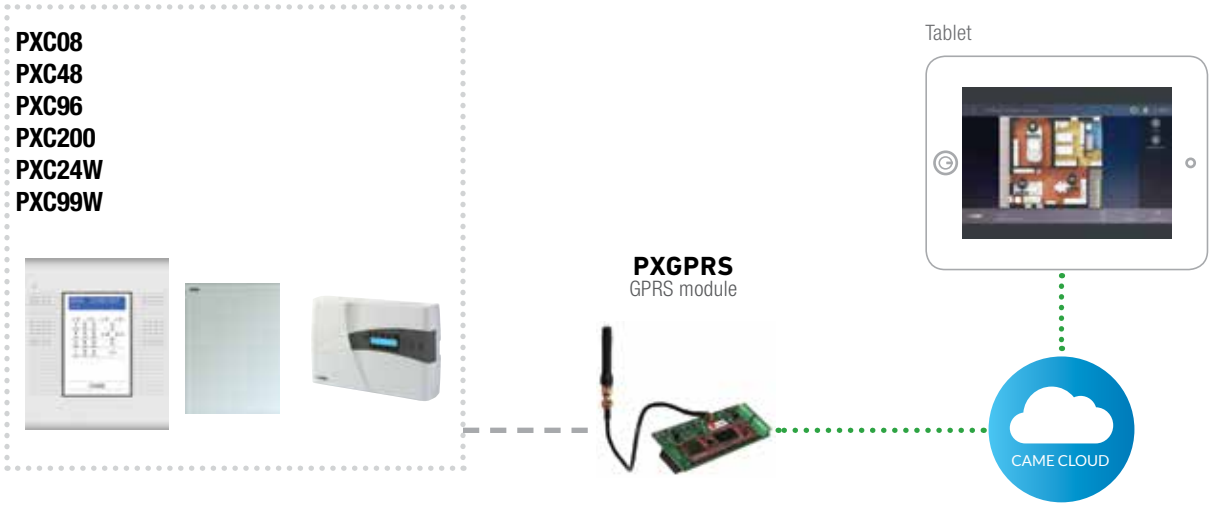
- Via the local network, send to the control unit itself, the images generated by the TXWIRFC01 detectors.
- Connect the TS7 and TS10 touchscreen terminals from the CAME Domotic 3.0 system and use these to manage the burglar alarm system using the graphical maps available on the terminals themselves.
- Connect the control unit to the Cloud avoiding the GPRS connection, and manage the system remotely.
- In the case of security systems connected to the CAME Domotic 3.0 system, connect the control unit to the ETI/DOMO home automation system and ensure seamless integration between the two systems.

GPRS MODULES

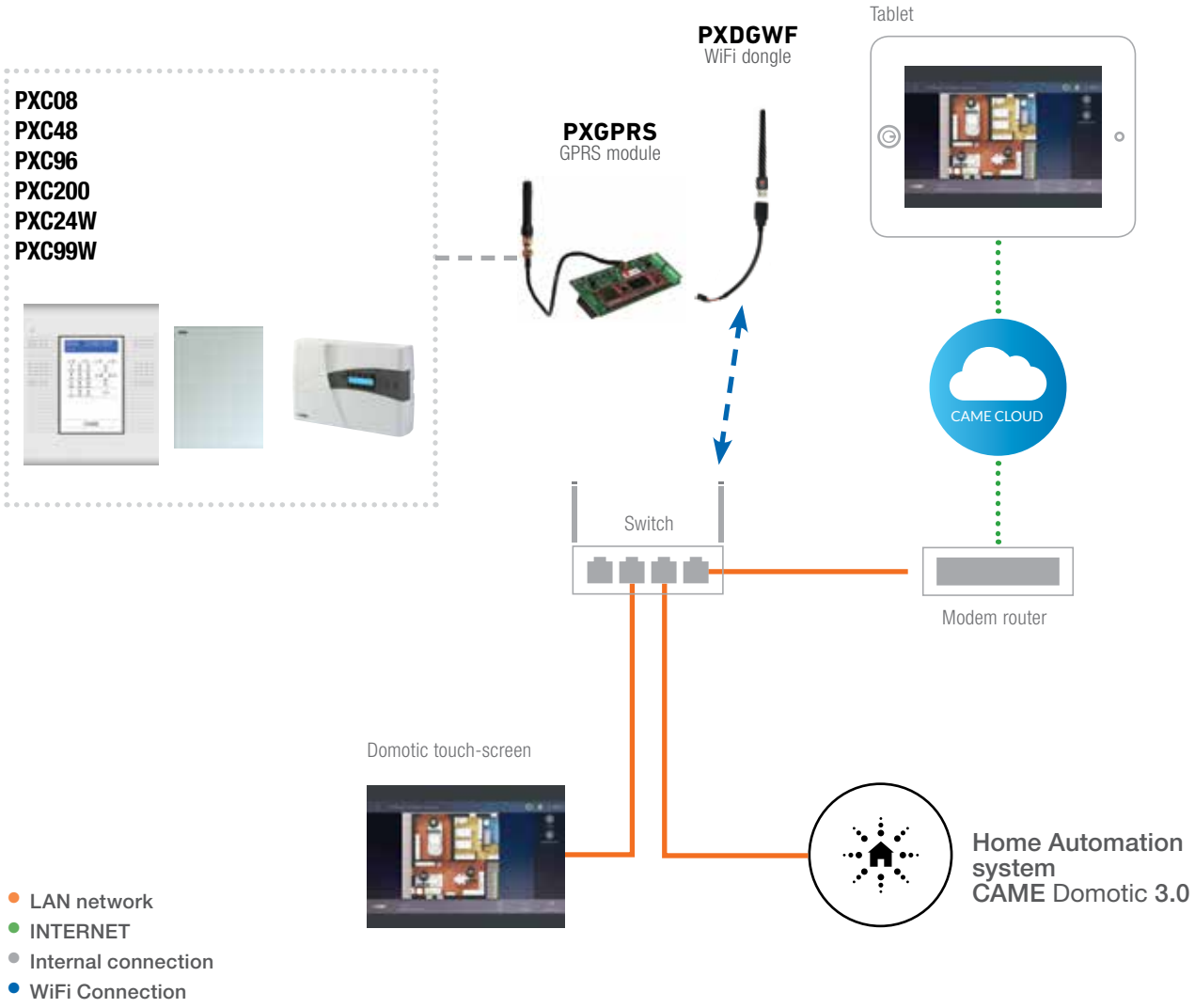
	CODE	ID	DESCRIPTION
	846NC-0090	PXGPRS	GPRS module. It is for sending to up to 16 telephone numbers any control unit events via voice messages (after fitting the PXV64 or PXV256 card), and for sending SMS alarm messages, receiving SMS messages and DTMF remote control tones. It ensures the control unit connection to the Cloud. It has a connector for connecting the WiFi and LAN dongle. Current draw 100 mA. Dimensions 34 x 81 x 30 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.
	846XC-0020	PXDGWF	WiFi dongle. When used with the PXGPRS module, it enables the control unit to be connected to a WiFi network.
	846XC-0030	PXDGETH	LAN dongle. When used with the PXGPRS module, it enables the control unit to be connected to a LAN network.

EN50131 PXC08 PXC48 PXC96 PXC200 PXC24W PXC99W

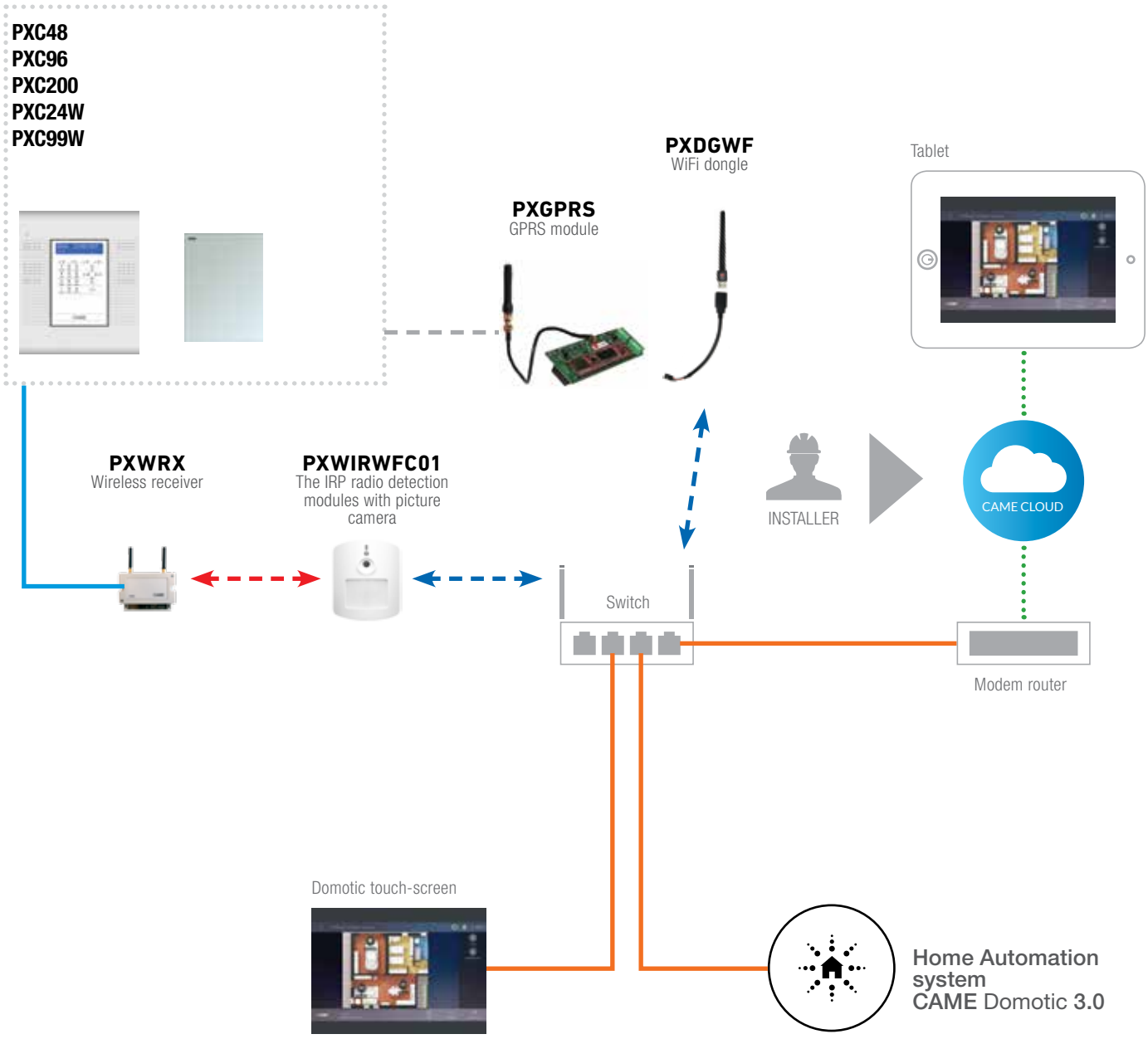
Example installation



Example installation

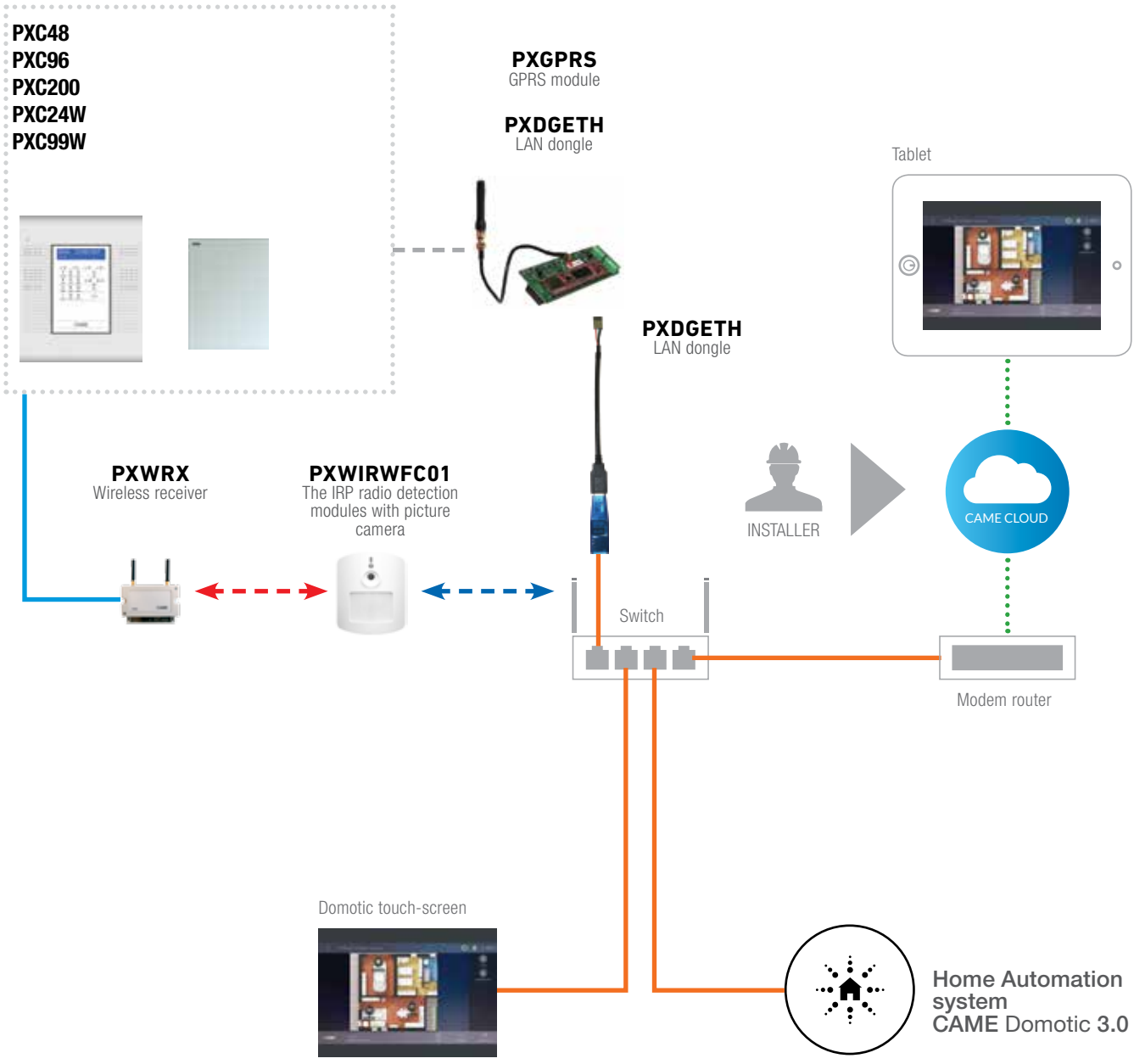


Example installation



- LAN network
- INTERNET
- RS485 Bus
- PSTN Line
- Internal connection
- Radio connection
- WiFi Connection

Example installation



- LAN network
- INTERNET
- RS485 Bus
- PSTN Line
- Internal connection
- Radio connection
- WiFi Connection

LAN CARDS

All of the control units have an port for connecting the LAN PXLAN interface which is for connecting up to the control unit over the web.

In addition to ensuring the connection to a LAN, the PXWEB card, equipped with Web Server, allows users to connect any device with a web browser, such as a PC or handheld computer, to the control unit and download a control screen consisting of a virtual keypad with the same functions as a local keypad.

The PXWEB and PXLAN boards are for connecting the control units to the Came Domotic 3.0 home-automation system over the LAN. This allows for perfect integration between the two systems and control of both via touch screen terminals or via handheld devices running the corresponding CAME Domotic App. All with the aid of graphic maps available on both the terminals and the app.

The home automation system server, to which the terminals and portable devices are connected, is constantly informed about the status of the control unit inputs and outputs. It is therefore possible to use programmable logics to set actions on the home automation system when events occur in the security system (e.g. turn on the garden lights when an external barrier detects an intrusion, or lock the temperature control of a thermal zone when a window with a magnetic contact is opened).

Whilst perfectly integrated with each other, the systems remain compliant with the respective product and system standards.

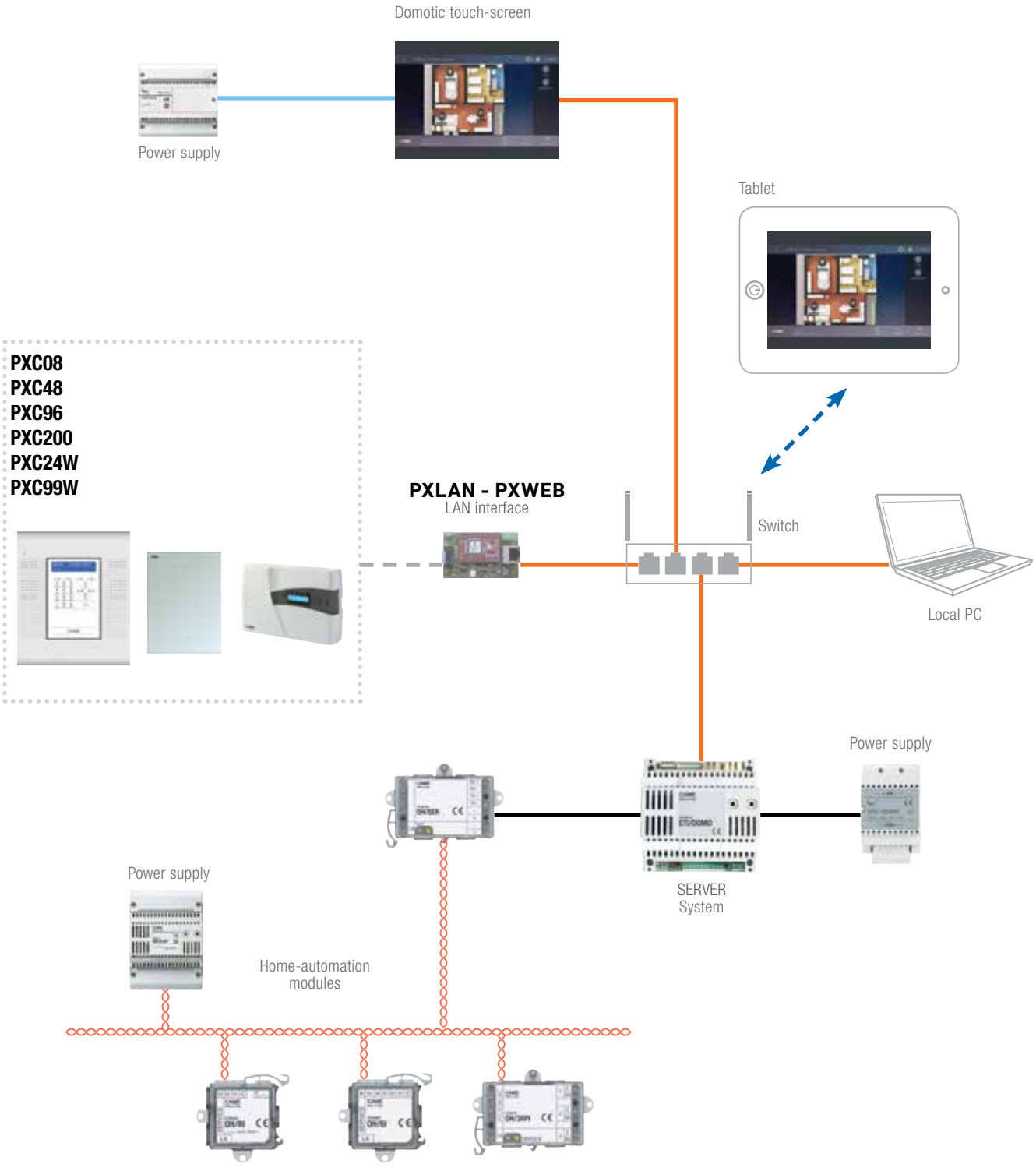
The control unit can also be connected to the home automation system via the PXGPRS module and PXDGETH LAN or PXDGWF WiFi dongle, as explained in the relevant chapter.

LAN CARDS

	CODE	ID	DESCRIPTION
	846NC-0100	PXLAN	LAN interface. This enables the control unit to be connected to a LAN and via this system to the Came Domotic 3.0 home automation system. It also allows programming operations via a PC equipped with PXManager software. Current draw 85 mA. Dimensions 75 x 45 x 20 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.
	846NC-0110	PXWEB	LAN interface with web server. In addition to the features described for the PXLAN interface, it allows a remote PC with a web browser to be connected to the control unit via the internet. Once online with the control unit, it is possible to download a control screen consisting of a virtual keypad with the same functions as a local keypad onto remote PC from the web server. Current draw 85 mA. Dimensions 75 x 45 x 20 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.

EN50131 **PXC08** **PXC48** **PXC96** **PXC200** **PXC24W** **PXC99W**

Example installation



- LAN network
- Internal connection
- Standard connection
- Home-automation BUS cable
- WiFi Connection

INTERFACE BOARDS FOR KNX SYSTEMS

The PXKNX interface board greatly expands the communication potential of the control units, enabling them to communicate with KNX-protocol systems. The PXKNX connects directly to the board on the control unit and it supports the following communications functions:

ALERTS

- Armed status for security areas
- Alarm status for security areas
- General burglar alarm status
- Arming enabling status for individual areas
- Burglar alarm memory
- Network malfunction
- Battery malfunction
- Tampering status
- Input status alert
- Output status alert
- Event state message

Minimum event permanence time for properly transferring over the KNX bus for more than 3 seconds.

COMMANDS

- Total arming/disarming commands
- Arming/disarming commands for areas
- Activation/deactivation commands for burglar alarm outputs
- Running alarm scenarios through KNX scenarios

It also features the following communications ports:
- USB port for connecting a PC for programming usng the PXManager software.
- RS232 port for connecting additional communication boards, for example for connecting the LAN PXWEB interface board.

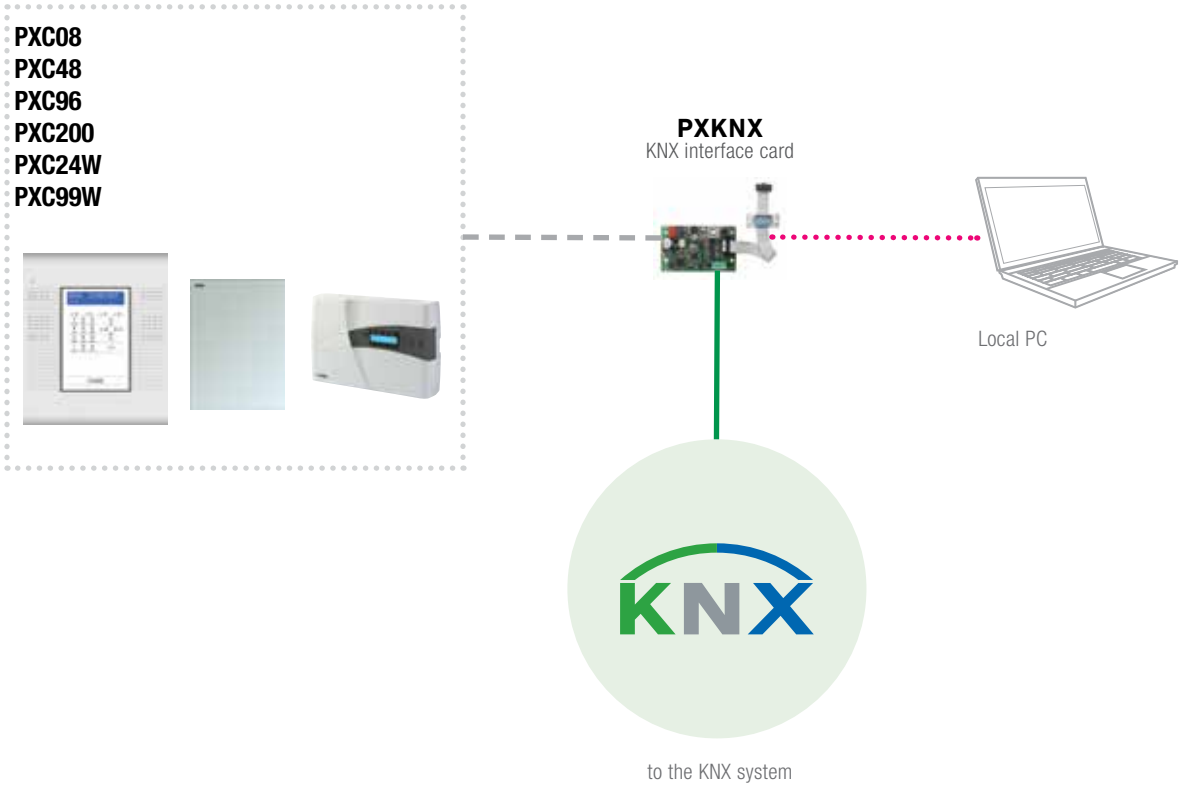
Note: the KNX project for the ETS is available on the CAME website.

KNX CARDS

	CODE	ID	DESCRIPTION
	846NC-0120	PXKNX	KNX interface. This makes it possible to connect the control unit to systems featuring the KNX protocol. Current draw 20 mA. Current draw from KNX bus 10 mA. Dimensions 74 x 46 x 20 mm Regulatory compliance: EN 50131-3 Grade 2 Environmental Class II.

EN50131 PXC08 PXC48 PXC96 PXC200 PXC24W PXC99W

Example installation



- Internal connection
- KNX System
- USB

Note:
For any programming details please call our technical assistance service.

RADIO-BASED DEVICES

The PXC48, PXC96 and PXC200 control units are also expandable in radio mode. By connecting one or more PXWRX receivers onto the control units' RS485 bus line, you can enable the radio inputs featured on the control units for using the radio detectors; you can also use the remote control, radio keypads (combined with the wired keypads) and the radio sirens. As shown in the diagram, more than one wireless receiver can be installed on the bus, in order to improve the dialogue between the wireless devices and the control unit. The number of wireless devices that can be used depends on the control unit used as shown in the table below.

The transmission is of the bidirectional, dual-band type (868.65 Mhz and 433.92 Mhz). The detector transmits the alarm signal over the 868.65 MHz band. The control unit sends the detector the reception confirmation reply. If the detector does not receive the reply signal it transmits the alarm signal a second time using the 433.92 MHz frequency. With a transmission algorithm of this type, used by various devices in the wireless range, the dialogue between the control unit and the relative devices is precise and highly reliable, unlike the one-way transmissions with no signal of receipt, which necessarily leave the transmission of the alarm signal to the control unit to chance.

The system is also supervised. The detector transmits the power-on signal at regular intervals that are preset during the programming; if there is no reception, the control unit generates an alarm signal, after a preset time. The detectors also transmit the battery status signal, displayed on the control unit. The radio range is about 100 m with no obstacles and in the total absence of interference on the band. It can experience significant reductions indoors, due to the location in relation to the structure of the environment and/or due to disturbance on the radio band.

CONTROL UNITS



ID	PXC48	PXC96	PXC200
CODE	846AA-0020	846AA-0030	846AA-0040
DESCRIPTION			
WIRELESS INPUTS	16	40	64
PXWRX MODULES	2	8	16
PXWRC01 AND PXWRC16 RADIO CONTROLS	8	32	32
* KEYPADS (wired and radio)	Up to 4 keypads (1 wired LCD - 3 radio or wired)	Up to 8 keypads (1 wired LCD - 7 radio or wired)	Up to 16 keypads (1 wired LCD - 15 radio or wired)
PXWSE01 SIRENS	2	4	8

*** At least one PXKD - PXKTN01 - PXKTB01 hard-wired LCD keypad must be added.**
The remaining ones can be either PXWKTN01 radio or PXWKTB01 wired, chosen among the available models.

BUS RECEIVERS

	CODE	ID	DESCRIPTION
	846NC-0130	PXWRX	Wireless receiver. Connected to the RS485 bus line of the PXC48, PXC96 and PXC200 control units, it enables communication with the radio devices. Two-way dual band radio transmission. GFSK modulation. Current draw 100 mA. Dimensions 110 x 80 x 25 mm Regulatory compliance EN 50131-5-3 GRADE 2 environmental class II. It can also be used with maximum two PXC99W units, to improve the range of the control units.

EN50131 PXC48 PXC96 PXC200 PXC99W

UNIVERSAL RECEIVERS

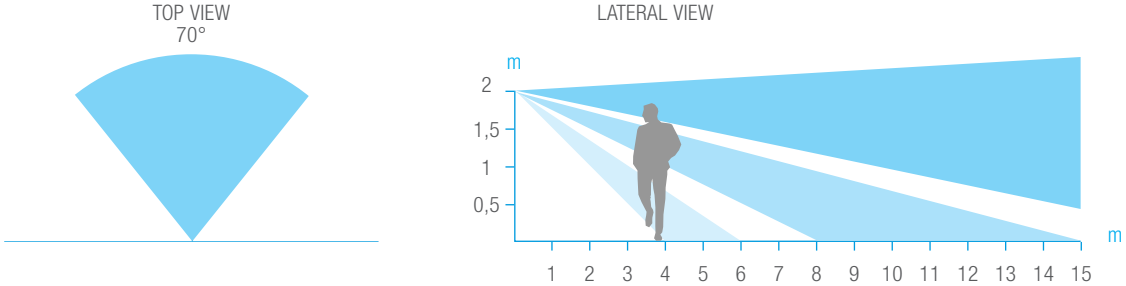
	CODE	ID	DESCRIPTION
	846NC-0140	PXWRXU	Universal radio receiver. Used to expand already fitted hard-wired radio systems. It features 8 relay outputs and enables the connection of 32 radio devices (detectors and remote controls). Each detector, n case of any alarms, activates the output to which it is matched. It also features 4 outputs for events: tamper alert, supervision, flat battery and jamming. If connected to the control unit's outputs it enables you to control the PXWSE01 radio siren. Programming via on-board keypad and display. Two-way dual band radio transmission. GFSK modulation. 12 VDC power supply. Current draw 250 mA. Dimensions 260 x 130 x 42 mm. Regulatory compliance EN 50131-5-3 GRADE 2 environmental class II.

VOLUMETRIC DETECTORS FOR INDOOR USE

	CODE	ID	DESCRIPTION
	846EA-0010	PXWIR01	Wireless infrared volumetric detector. Range 15 m, arc 70°. Sensitivity adjustments via dip switch. Two-way dual band radio transmission. GFSK modulation. Complete with articulated joint. Powered by 1 x CR123A lithium battery Battery life with average use, approximately 2 years. Dimensions 105 x 52 x 39 mm. Regulatory compliance EN 50131-2-2 EN 50131-5-3 GRADE 2 environmental class II.

EN50131 PXC48 PXC96 PXC200 PXC24W PXC99W

PXWIR01
Diagram

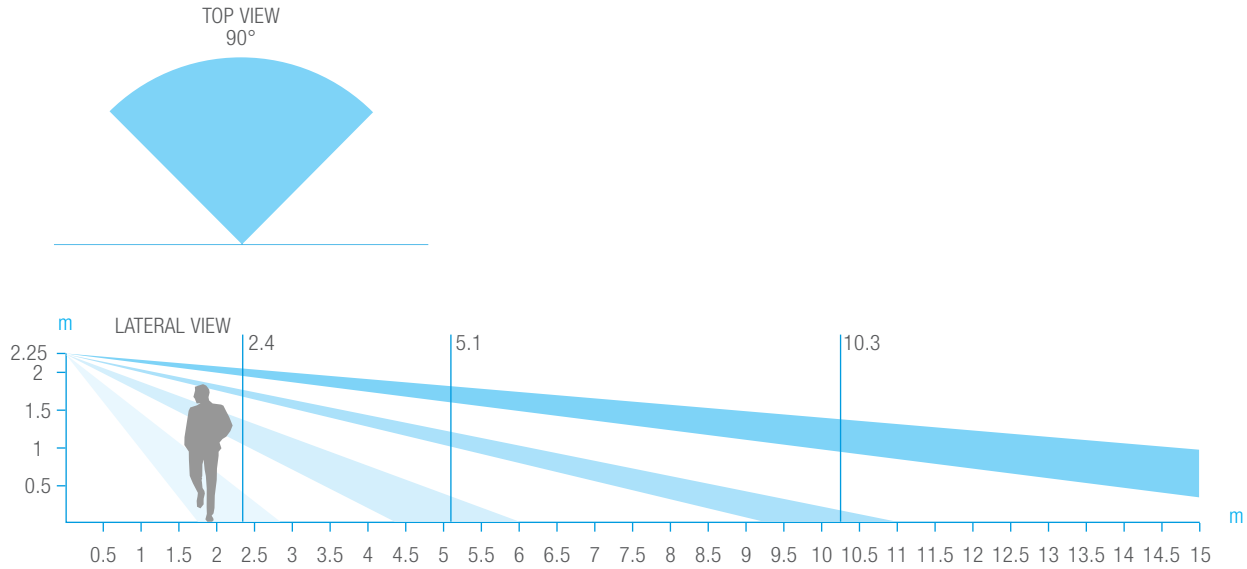


VOLUMETRIC DETECTORS FOR INDOOR USE

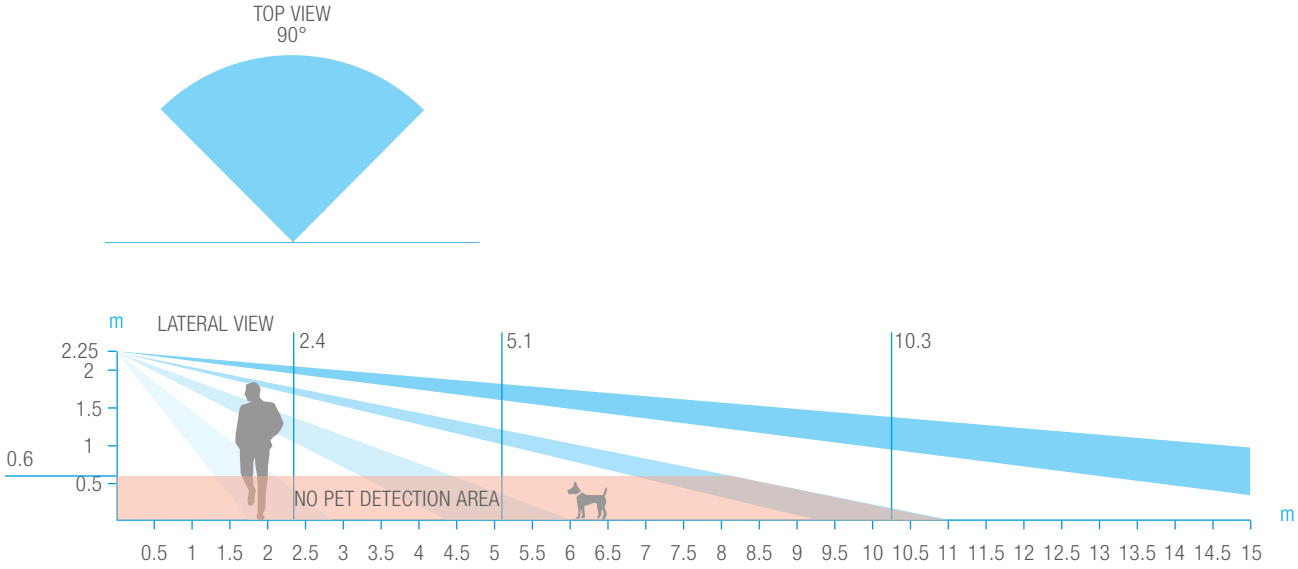
	CODE	ID	DESCRIPTION
	846EA-0040	PXWDT	Double-technology radio volumetric-detector featuring passive infrared section and microwave section. Range 15 m, arc 90°. Both sections' range can be adjusted via trimmer. Two-way dual band radio transmission. GFSK modulation. Complete with articulated joint. Powered by 1 x CR123A lithium battery Battery life with average use, approximately 2 years. Dimensions 113 x 97 x 50 mm. Regulatory compliance EN 50131-2-4 EN 50131-5-3 GRADE 2 environmental class II.
	846EA-0050	PXWDTPI	Double-technology radio volumetric-detector featuring passive infrared section and microwave section, maximum 30-kilogram-pet immune. Range 15 m, arc 90°. Both sections' range can be adjusted via trimmer. Two-way dual band radio transmission. GFSK modulation. Complete with articulated joint. Powered by 1 x CR123A lithium battery Battery life with average use, approximately 2 years. Dimensions 113 x 97 x 50 mm. Regulatory compliance EN 50131-2-4 EN 50131-5-3 GRADE 2 environmental class II.

EN50131 PXC48 PXC96 PXC200 PXC24W PXC99W

PXWDT Diagram



PXWDTPI Diagram



PERIMETER DETECTORS

	CODE	ID	DESCRIPTION
	846EA-0020	PXWCOB01	Wireless perimeter detector. Suitable for protecting doors and windows. It features two auxiliary inputs for the transmission of the alarm signal coming from external devices. Each input can be programmed, by means of special dip switches, to work with NC contacts or with shutter movement detectors (pulse counter function). Wireless transmission on three channels - dual band, two-way. GFSK modulation. Powered by 1 x CR123A lithium battery. Battery life with average use, approximately 3 years. Dimensions 28 x 95 x 28 mm Regulatory compliance EN 50131-2-6, EN 50131-5-3 GRADE 2 environmental class II. White.
	846EA-0030	PXWCOM01	Perimeter radio-detector. Brown. (Features as PXWCOB01).

EN50131

PXC48 PXC96 PXC200 PXC24W PXC99W

DETECTORS WITH CAMERA

The PXWIRFC01 and PXWIRWFC01 are passive infrared detectors with built-in picture camera for video verifications. Following the detection of an intrusion, they make it possible to generate and transmit a series of images or a video clip to the control unit, as explained below.

PXWIRFC01. Following an alarm, the detector transmits its signal to the control unit using the dual band 868.65 MHz and 433.92 MHz two-way radio transmission, available for all the system's wireless devices. If armed, the control unit sends a consensus to the detector to activate the built-in camera. The detector then transmits the image obtained to the control unit using wireless transmission on the 868.65 MHz frequency. The picture camera's resolution is QVGA (320 x 240) and up to 5 alarm-event images can be transmitted. As an alternative to the images, a 2 fps video lasting 3 seconds can be generated and transmitted.

The control unit must be equipped with a PXGPRS module, which allows image storage on the CAME Cloud and users are sent a notification telling them to connect to the Cloud to view the images.

PXWIRWFC01. Operation is similar to that described for the previous model, with the difference that the image is transmitted via WiFi technology, thanks to a special built-in transmitter. This can significantly improve transmission by reducing latency times. If the detector is unable to reach the control unit via the WiFi channel, the image is transmitted using the transmission frequency of 868.65 MHz, thus ensuring system functionality. The camera resolution can be selected from QVGA (320 x 240) or VGA (640 x 480) and it is possible to transmit up to 20 QVGA or 10 VGA images for each alarm event. Alternatively to the images, a 10-second, 2-fps video clip can be transmitted with QVGA resolution.

The PXWIRWFC sends the image directly to the control unit if the latter is fitted with a PXGPRS module and corresponding WiFi dongle, as shown in the installation example. Alternatively, the image can be sent over a local network (if present) over which the control unit also transmits (see the PXGPRS section). Once again in this case, users receive a notification telling them to connect to the Cloud to view the images.

If there is no Cloud connection, you can send an MMS or an email containing images of the event while from a remote location, at nay moment, withe the system armed, users can send and SMS to generate and receive images.

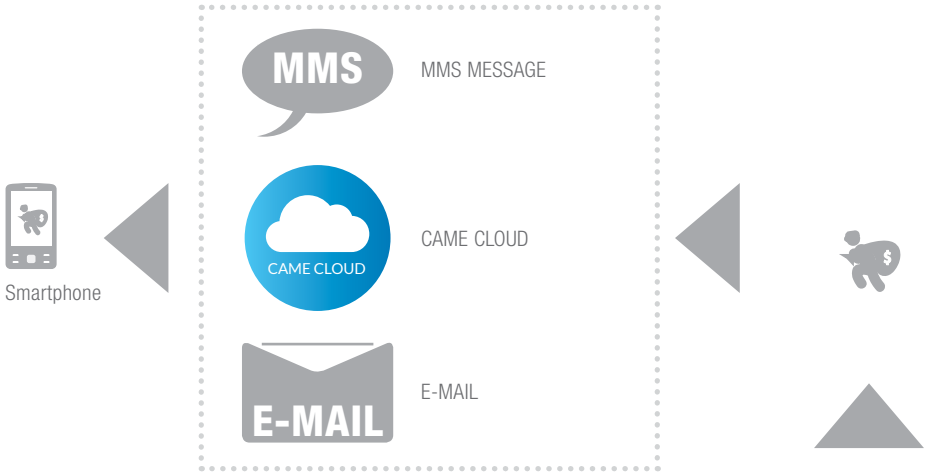
The detectors with camera incorporate an IR illuminator for shooting in dark conditions.

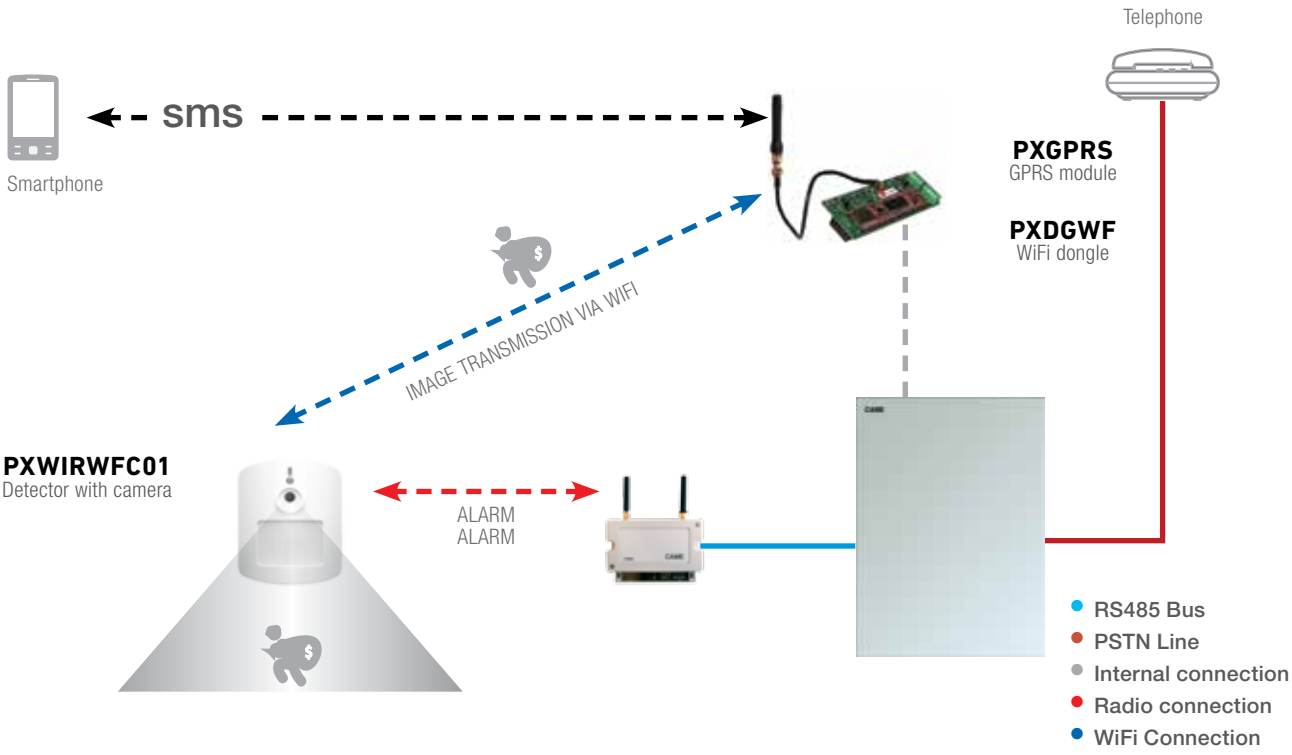
DETECTORS WITH CAMERA

	CODE	ID	DESCRIPTION
	846EA-0060	PXWIRFC01	Wireless passive infrared detector with camera. Range 23 m, arc 110°. In case of alarm, it enables the generation and transmission to the control unit of a series of images or video footage. IR illuminator for filming in low light conditions. Dual band bidirectional radio transmission. GFSK modulation. Complete with articulated joint. Powered by 3 x CR123A lithium batteries (or by an external power supply with micro-USB connector). Battery life with average use, approximately 2 years. Dimensions 113 x 97 x 50 mm. Regulatory compliance EN 50131-2-2, EN 50131-5-3 GRADE 2 environmental class II.
	846EA-0070	PXWIRWFC01	Wireless passive infrared detector with camera and WiFi transmitter. Range 23 m, arc 110°. In case of an alarm it generates and transmits to the control units a series of images or video footage over the WiFi connection. IR illuminator for filming in low light conditions. Dual band bidirectional radio transmission. GFSK modulation. Complete with articulated joint. Powered by 3 x CR123A lithium batteries (or by an external power supply with micro-USB connector). Battery life with average use, approximately 2 years. Dimensions 113 x 97 x 50 mm. Regulatory compliance EN 50131-2-2, EN 50131-5-3 GRADE 2 environmental class II.

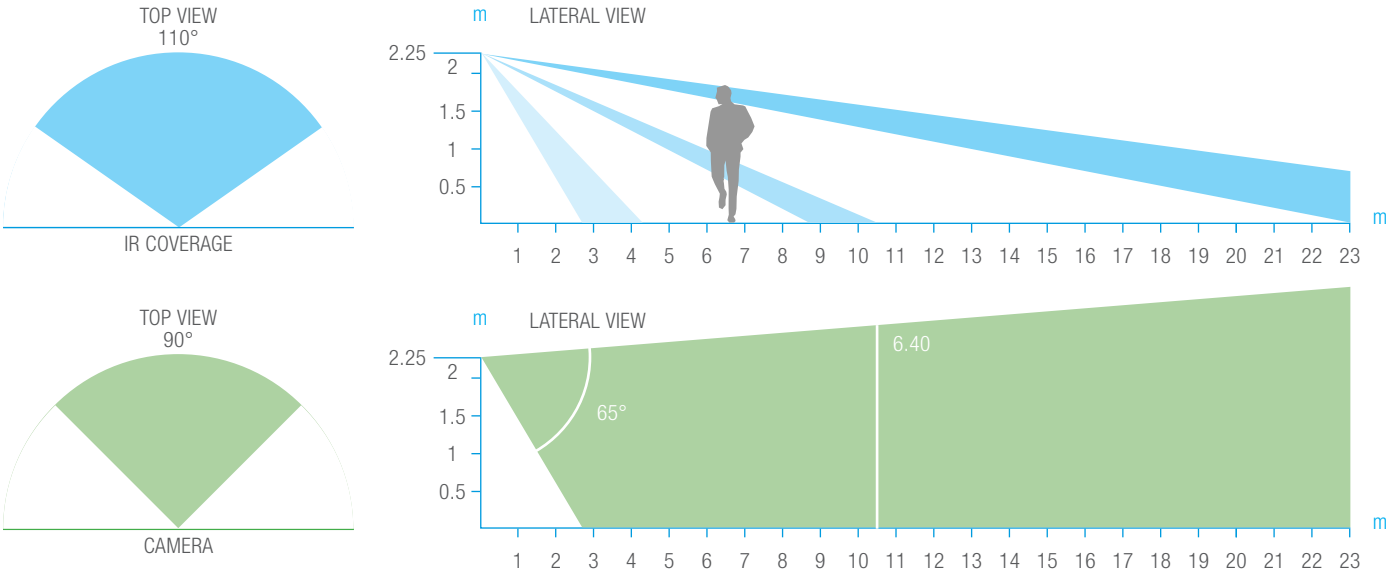
EN50131 PXC48 PXC96 PXC200 PXC24W PXC99W

Example installation





PXWIRFC - PXWIRWFC Diagrams



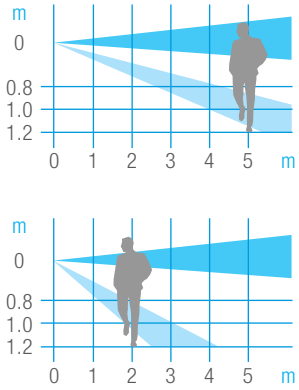
CURTAIN-EFFECT DETECTORS

	CODE	ID	DESCRIPTION
	846EA-0080	PXWIRCB	Wireless passive infrared curtain-effect detector. Ceiling installation (indoors or outdoors if protected) or laterally (indoors only). Particularly suitable for protecting doors and windows. Circuit to differentiate the crossing direction (the user can cross the entrance from the inside outwards without triggering the alarm, while an intruder coming in from outside is detected as normal). It features two auxiliary inputs for the transmission of the alarm signal coming from external devices. Each input can be programmed, using special dip switches, to work with NC contacts or shutter motion detectors (pulse count function). Wireless transmission on three channels - dual band, two-way. GFSK modulation. Powered by 1 x 3 V CR123A lithium battery. Battery life with average use, approximately 2 years. IP43 protection rating. Dimensions: 151 x 30 x 38 mm. Regulatory compliance CEI EN50131-2-2 CEI EN50131-5-3 Grade 2 Environmental class III. White.
	846EA-0090	PXWDTCB	Dual technology wireless curtain-effect detector, made with passive infrared section and microwave section. Ceiling installation (indoors or outdoors if protected) or laterally (indoors only). Particularly suitable for protecting doors and windows. Circuit to differentiate the crossing direction (the user can cross the entrance from the inside outwards without triggering the alarm, while an intruder coming in from outside is detected as normal). It features two auxiliary inputs for the transmission of the alarm signal coming from external devices. Each input can be programmed, using special dip switches, to work with NC contacts or shutter motion detectors (pulse count function). Wireless transmission on three channels - dual band, two-way. GFSK modulation. Powered by 1 x 3 V CR123A lithium battery. Battery life with average use, approximately 2 years. IP43 protection rating. Dimensions: 151 x 30 x 38 mm. Regulatory compliance CEI EN50131-2-2 CEI EN50131-5-3 Grade 2 Environmental class III. White.
	846EA-0100	PXWDTCM	Dual technology wireless curtain-effect detector, made with passive infrared section and microwave section. Brown. (Features as PXWDTCB).
	846EA-0110	PXWDTCL	Dual technology wireless curtain-effect detector, made with dual passive infrared section and microwave section. Range 3 m opening 28° adjustable. Protected indoor and outdoor installation. Particularly suitable for protecting doors and windows. Two-way dual band radio transmission. GFSK modulation. Powered by 2 x CR123A lithium batteries. Battery life with average use, approximately 2 years. Dimensions: 330 x 40 x 30 mm. Operating temperature -40°÷ +70 °C.
	846EA-0120	PXWIRCE	Curtain effect radio detector with double pyro-electric passive infrared sensor with anti-masking function. Range 5 m, arc 190°. Thanks to its special mechanical structure, the curtain-effect coverage area can be adjusted from 2 to 5 meters and rotated along a 190° arc, to prevent any unwanted detections. Designed to protect outer walls and balconies. Circuit for optimising the detection sensitivity - each movement is analyzed in detail before generating an alarm, to prevent any false alarms or missed detections. Immune to small pets. Two-way dual band radio transmission. GFSK modulation. Powered by 2 x CR123A lithium batteries. Battery life with average use, approximately 2 years. Protection rating IP55. Dimensions: 35x155x42.5 mm (single module). Operating temperature -20° ÷ +60°. White.

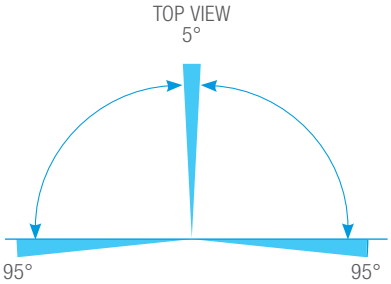
EN50131 **PXC48** **PXC96** **PXC200** **PXC24W** **PXC99W**

PXWIRCE Diagrams

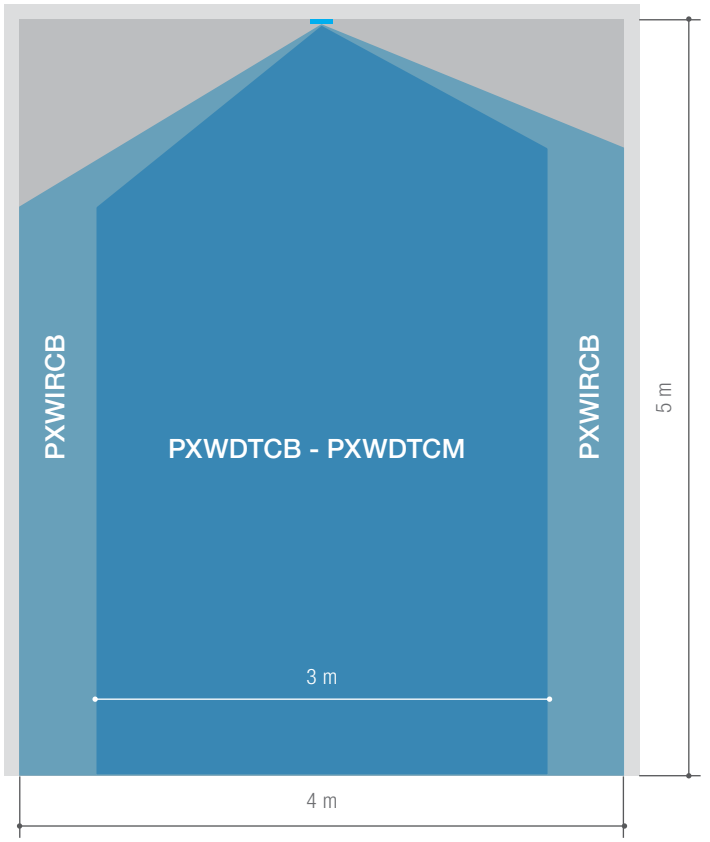
LATERAL VIEWS



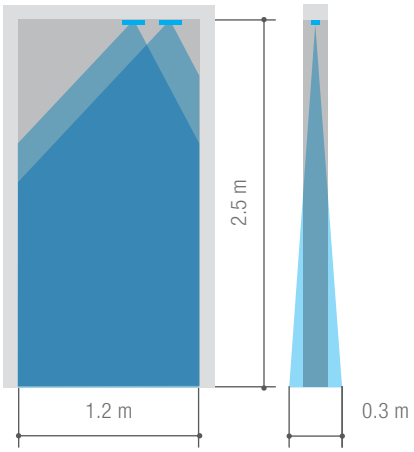
TOP VIEW



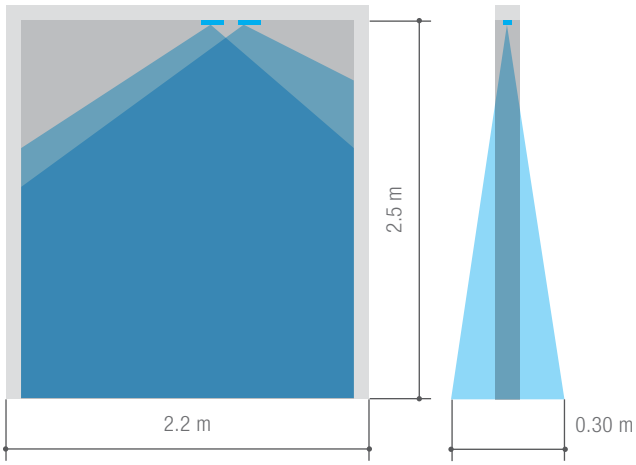
Diagrams



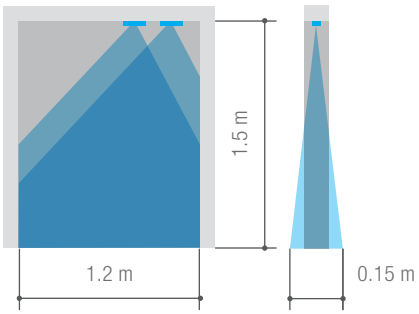
PXWDTCB PXWDTCM Diagrams



PXWIRCB Diagrams

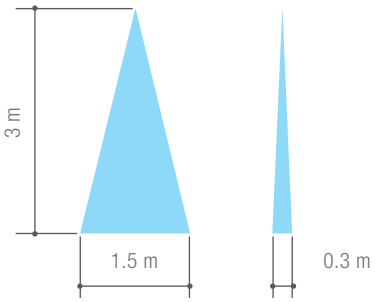


PXWIRCB PXWDTCB PXWDTCM Diagrams

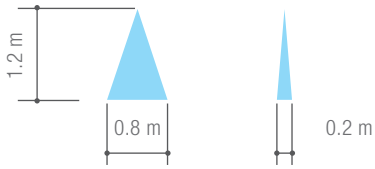


PXWDTCL Diagrams

LONG RANGE



SHORT RANGE

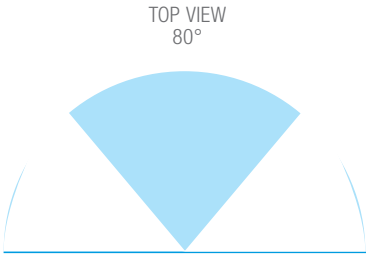


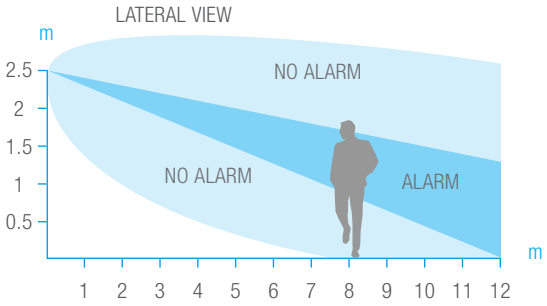
DETECTORS FOR OUTDOOR USE

	CODE	ID	DESCRIPTION
	846EA-0130	PXWDTVE	Dual technology wireless volumetric detector. Made with two detection heads, one passive infrared and one microwave, that operate with AND logic, individually adjustable to achieve the best coverage. Range 12 m opening 80° with 5 beams on 1 floor. The range of both heads can be adjusted using trimmers and dip switches. Installation outdoors on the wall or on a post, particularly suitable for protective outdoor volumes. Two-way dual band radio transmission. GFSK modulation. Powered by 2 x CR123A lithium batteries. Battery life with average use, approximately 2 years. IP54 protection rating. Dimensions 190 x 85 x 75 mm Operating temperature -40 ÷ +70 °C.
	846XC-0210	PXDTVES	Brace for installing onto posts the PXWDTVE PXIRVE and PXDTVE detectors.

PXC48 PXC96 PXC200 PXC24W PXC99W

PXWDTVE
Diagram





CONTROL DEVICES

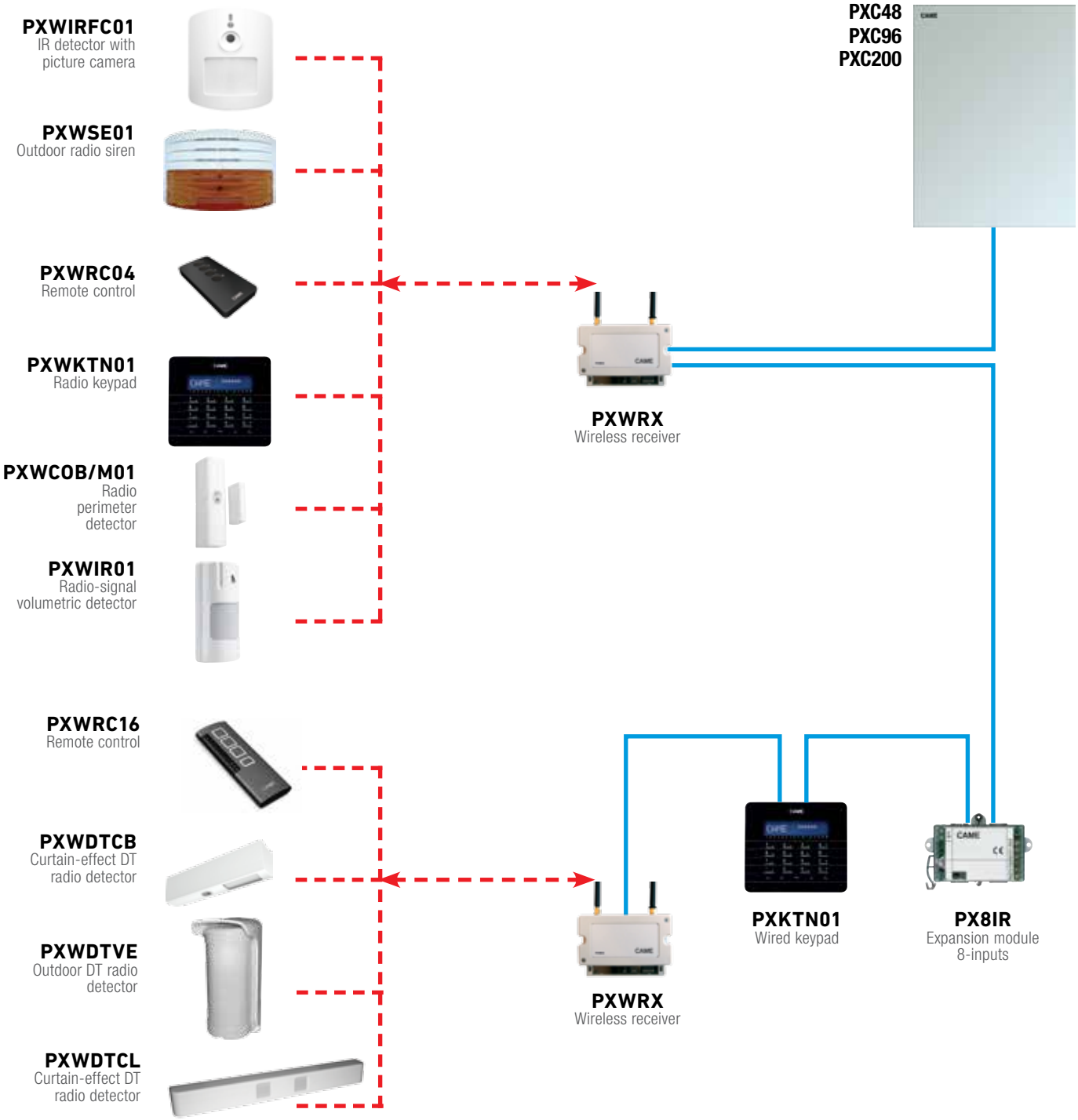
	CODE	ID	DESCRIPTION
	846CA-0070	PXWRC04	Two-way remote control. It is for launching 3 scenarios (programmed partitions e.g. “NIGHT” scenario, arming of perimeter area, outdoor area, day area). It shows the state of the system and launched scenario. Bidirectional radio transmission (868.65 MHz), GFSK modulation. Powered by 1 x CR2032 lithium battery. Battery life with average use, approximately 2 years. Dimensions 38 x 76 x 9 mm Regulatory compliance EN 50131-5-3 GRADE 2 environmental class II.
	846CA-0080	PXWRC16	Two-way remote control. For controlling the control units via the launching of 16 scenarios. Characteristics just like the PXWRC04.
	846CA-0100	PXWKTN01	Backlit wireless capacitive LCD keypad with touch-sensitive keys. It allows total system control through the launch of 16 scenarios (programmed partitions e.g. “NIGHT” scenario, arming of perimeter area, outdoor area, day area). It features a transponder key reader to use with PXTAG key. Two-way dual band radio transmission, GFSK modulation. Powered by 3 x CR123A lithium batteries. Battery life with average use, approximately 2 years. Dimensions 158 x 138 x 31 mm Regulatory compliance EN 50131-5-3 GRADE 2 environmental class II. Black.
	846CA-0090	PXWKTB01	Backlit wireless capacitive LCD keypad with touch-sensitive keys. White. (Characteristics just like the PXWKTN01).

SIRENS

	CODE	ID	DESCRIPTION
	846LA-0010	PXWSE01	Wireless self-powered siren for outdoor use. Polycarbonate container. Sound power 101 dB at 1 m. High-efficiency LED flasher. Active anti-foam check with control unit alarm notification. Two-way dual band radio transmission, GFSK modulation. Powered by 5 x CR123A lithium batteries. Battery life with average use, approximately 2 years. Operating temperature -25 ÷ +50 °C. IP44 protection rating. Dimensions 280 x 140 x 135 mm. Regulatory compliance EN 50131-4; EN 50131-5-3 GRADE 2 environmental class III.

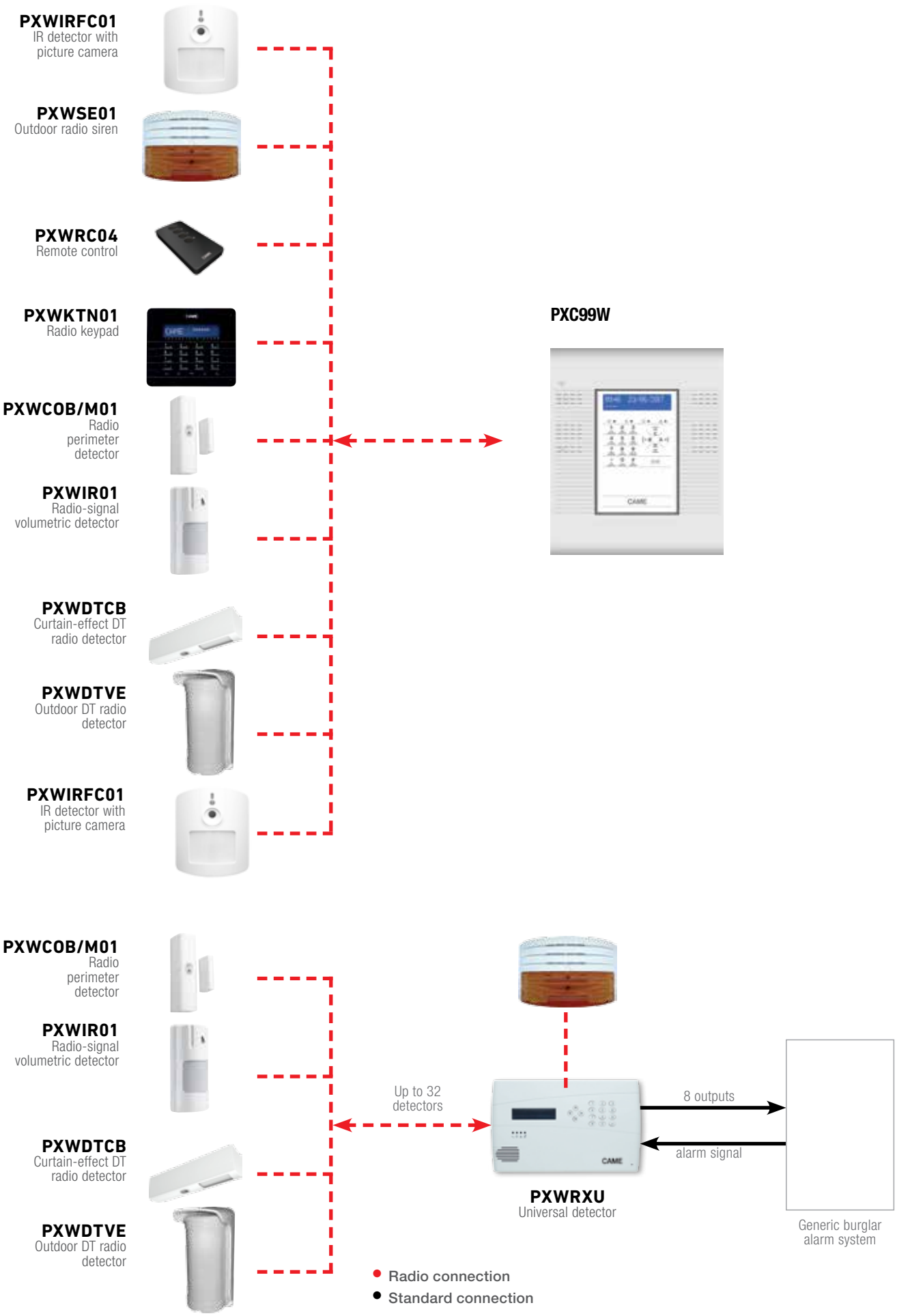
EN50131 PXC48 PXC96 PXC200 PXC24W PXC99W

Example installation



- RS485 Bus
- Radio connection

Example installation

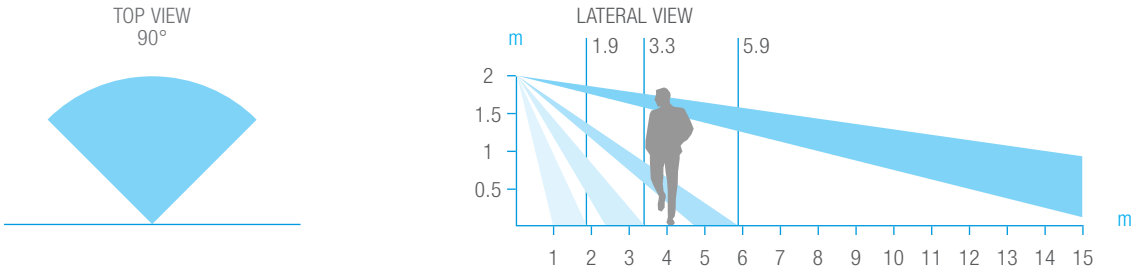


VOLUMETRIC DETECTORS FOR INDOOR USE

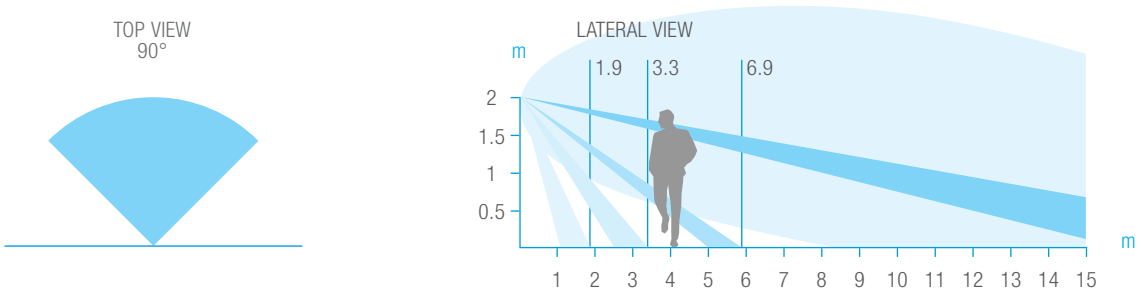
WALL-MOUNTED DETECTORS

	CODE	ID	DESCRIPTION
	846EA-0140	**PXIRV01**	Passive infrared volumetric detector made with dual PIR element. Range 15 m opening 90° with 18 beams on 4 floors. Range regulation via dip switch. Featuring alarm memory circuit. TC input for detector inhibition when control unit is off. Complete with articulated joint. Current draw 17 mA. Dimensions: 107 x 61.5 x 44 mm. Regulatory compliance: EN 50131-2-2 Grade 2 Environmental Class II.
	846EA-0150	**PXDTV01**	Dual technology wireless detector, made with passive infrared section and microwave section. Range 15 m opening 90° with 18 beams on 4 floors. Microwave section range regulation via dimmer. Featuring alarm memory circuit. TC input for detector inhibition when control unit is off. Complete with articulated joint. Current draw 22 mA. Dimensions 107 x 61.5 x 44 mm. Regulatory compliance: EN 50131-2-4 Grade 2 Environmental Class II.
	846EA-0160	**PXDTAM01**	Dual technology wireless detector, made with passive infrared section and microwave section. Operation of the two sections in AND or OR logic, selectable using dip switches. Anti-blinding function of infrared section (the alarm is generated if detections occur on the microwave section and not on the infrared section). Anti-masking function of microwave section indicated by specific relay output, Range 5 m, arc 90° with 18 beams on 4 planes. Sensitivity adjustment of both sections via dip switch. Microwave section range regulation via dimmer. Featuring alarm memory circuit. TC input for detector inhibition when control unit is off. Complete with articulated joint. Current draw 34 mA. Dimensions 107 x 61.5 x 44 mm. Regulatory compliance: EN 50131-2-4 Grade 2 Environmental Class II.

PXIRV01
Diagram



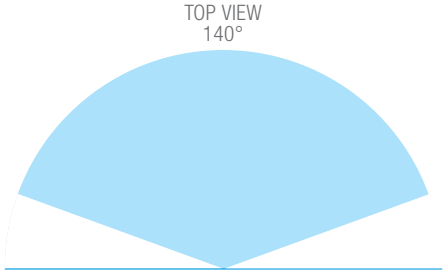
PXDTV01 - PXDTAM01
Diagram

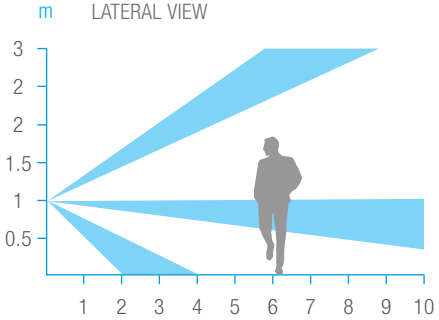


RECESSED DETECTORS

	CODE	ID	DESCRIPTION
			Passive infrared volumetric detector. Range 10 m opening 140° with beams on 3 floors. Sensitivity adjustment via pulse counters. Featuring alarm memory circuit. Current draw 9 mA. Operating temperature -5 ÷ +45 °C. Dimensions: 1 standard series recess-mounting module.
			SERIES
			BTICINO
	846EA-0170	IPIXA	For BTICINO Axolute grey wiring series.
	846EA-0180	IPIXN	For BTICINO Axolute black wiring series.
	846EA-0190	IPITL	For BTICINO Light wiring series.
	846EA-0200	IPITT	For BTICINO Light Tech wiring series.
	846EA-0210	IPILV	For BTICINO Living wiring series.
	846EA-0220	IPILI	For BTICINO Living International wiring series.
	846EA-0230	IPIXB	For BITICINO Axolute white wiring series.
	846EA-0240	IPITM	For BITICINO Matix white wiring series.
			GEWISS
	846EA-0250	IPIGB	For civil series GEWISS System white.
	846EA-0260	IPIGP	For GEWISS Playbus wiring series.
	846EA-0270	IPICN	For GEWISS Chorus black wiring series.
			VIMAR
	846EA-0280	IPIVE	For VIMAR Eikon anthracite grey wiring series.
	846EA-0290	IPIVN	For VIMAR Idea black wiring series.
	846EA-0300	IPIVP	For VIMAR Plana wiring series.
	846EA-0310	IPIVA	For VIMAR Eikon white wiring series.

Diagram for all recessed volumetric detectors

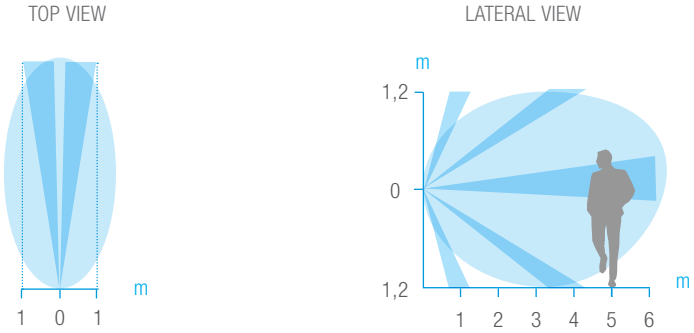




CURTAIN-EFFECT DETECTORS

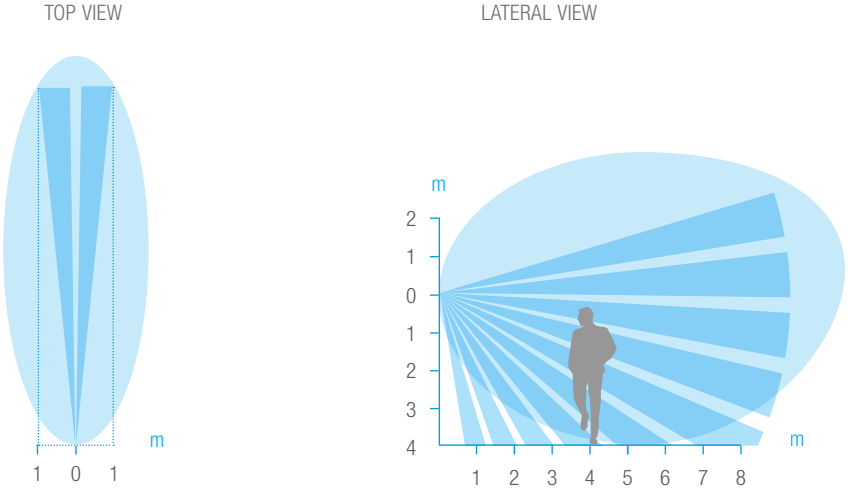
	CODE	ID	DESCRIPTION
	846EA-0320	PXDTCI	Dual technology curtain-effect detector, made with passive infrared section and microwave section. Range 6 m. The range can be adjusted using trimmers and dip switches. Protected indoor and outdoor installation. Particularly suitable for protecting doors and windows. Featuring alarm memory circuit. TC input for detector inhibition when control unit is off. Current draw 27 mA. Dimensions 87 x 32 x 35 mm Regulatory compliance: EN 50131-2-4 Grade 2 Environmental Class III.
	846EA-0330	PXDTC01	Dual technology curtain-effect detector, made with passive infrared section and microwave section. Anti-masking function of both sections alerted via corresponding relay output. Range 8 m. The range can be adjusted using trimmers and dip switches. Protected indoor and outdoor installation. Particularly suitable for protecting doors and windows. When used with the PXDTCP shutter, it is immune to small animals. Featuring alarm memory circuit. TC input for detector inhibition when control unit is off. Complete with angle bracket for wall mounting on the right or left side. Current draw 32 mA. IP61 protection rating. Dimensions 110 x 44 x 41 mm Regulatory compliance: EN 50131-2-4 Grade 2 Environmental Class III.
	846XC-0040	PXDTCS	Articulated joint for PXDTC01 and PXDTCE detectors, allows you to direct the detector and optimise the coverage area.
	846XC-0050	PXDTCP	Shutter for PXDTC01 and PXDTCE detectors. Installed on the lens, this makes it possible to exclude the lower protective beams in order to avoid detecting small animals in the coverage area.

PXDTCI Diagramma



PXDTCI Diagram

PXDTC01 Diagramma

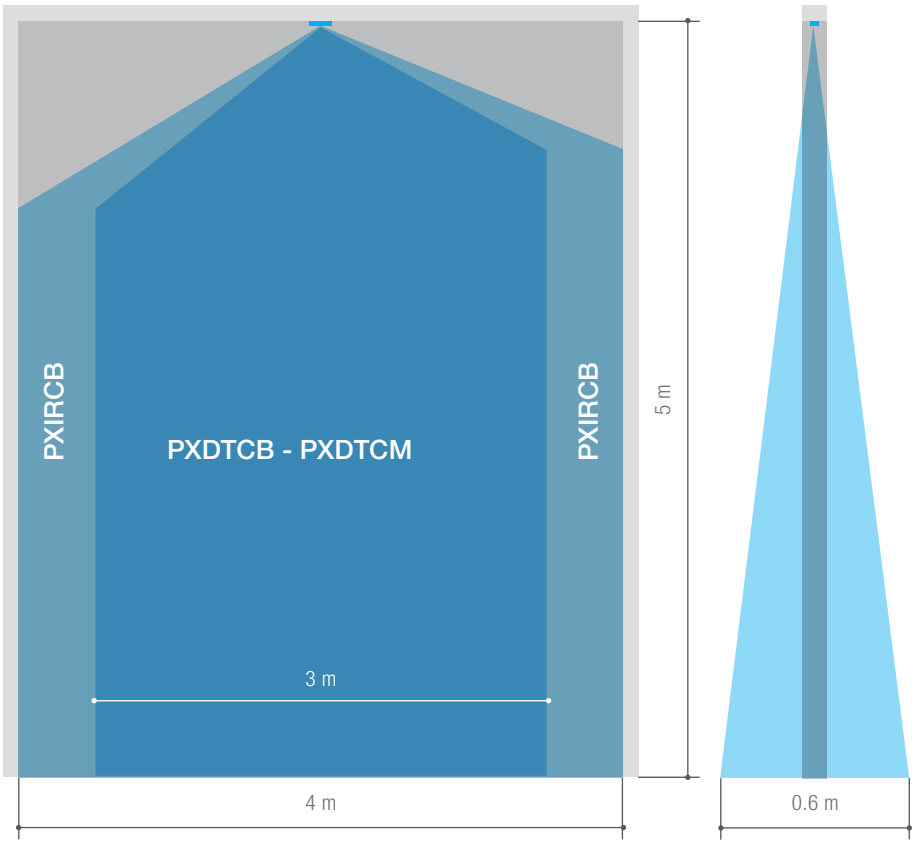


PXDTC01 Diagram

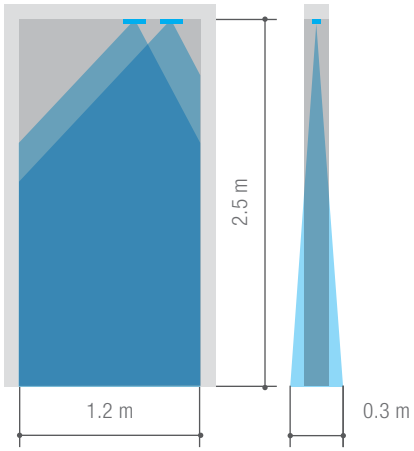
CURTAIN-EFFECT DETECTORS

	CODE	ID	DESCRIPTION
	846EA-0340	PXIRCB	Passive infrared curtain-effect detector. Ceiling installation (indoors or outdoors if protected) or laterally (indoors only). Particularly suitable for protecting doors and windows. Circuit to differentiate between the crossing direction (the user can cross the entrance from the inside outwards without triggering the alarm, while an intruder coming in from outside is detected as normal). Current draw 12 mA. IP43 protection rating. Dimensions: 151 x 30 x 38 mm. Compliance with CEI EN 50131-2-2 Grade 2 Environmental Class III. White.
	846EA-0350	PXDTCB	Double-technology curtain-effect detector featuring passive infrared section and microwave section. Ceiling installation (indoors or outdoors if protected) or laterally (indoors only). Particularly suitable for protecting doors and windows. Circuit to differentiate between the crossing direction (the user can cross the entrance from the inside outwards without triggering the alarm, while an intruder coming in from outside is detected as normal). Current draw 18 mA. IP43 protection rating. Dimensions: 151 x 30 x 38 mm. Regulatory compliance: EN 50131-2-4 Grade 2 Environmental Class III. White.
	846EA-0360	PXDTCM	Double-technology curtain-effect detector featuring passive infrared section and microwave section. Brown. (Characteristics same as the PXDTCB).

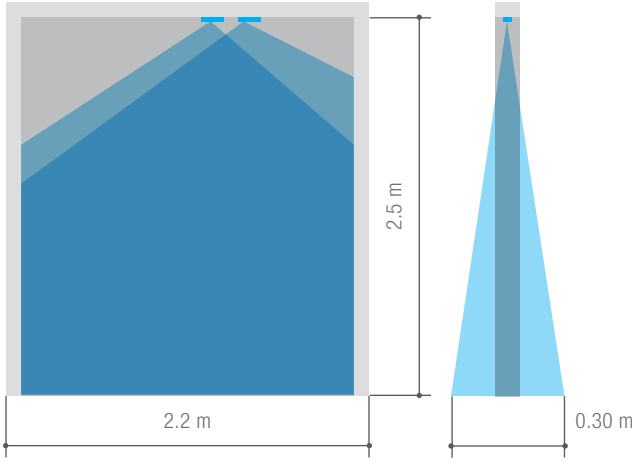
Diagrams



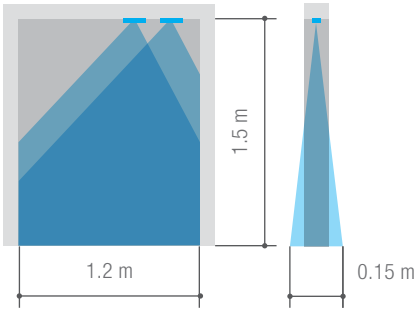
PXDTCB PXDTCM Diagrams



PXIRCB Diagrams



PXIRCB PXDTCB PXDTCM Diagrammi



VOLUMETRIC DETECTORS FOR OUTDOOR USE

CURTAIN-EFFECT DETECTORS

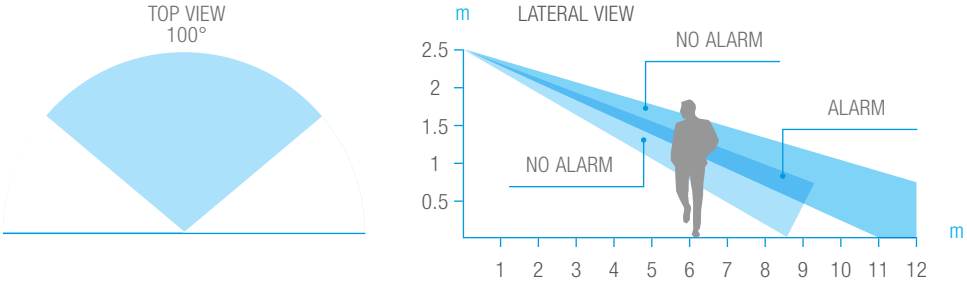
	CODE	ID	DESCRIPTION
	846EA-0370	PXDTCE	Dual technology curtain-effect detector, made with passive infrared section and microwave section. Anti-masking function of both sections alerted via the corresponding relay output. Range 12 m. The range can be adjusted using trimmers and dip switches. Installation indoors and outside, particularly suitable for protecting exterior facades. When used with the PXDTCP shutter, it is immune to small animals. Featuring alarm memory circuit. TC input for detector inhibition when control unit is off. Complete with angle bracket, for wall mounting on the right or left side, and rain canopy. Current draw 32 mA. IP65 protection rating. Dimensions 110 x 44 x 42 mm Regulatory compliance: EN 50131-2-4. Grade 2, Environmental Class IV.

WALL-MOUNTED DETECTORS

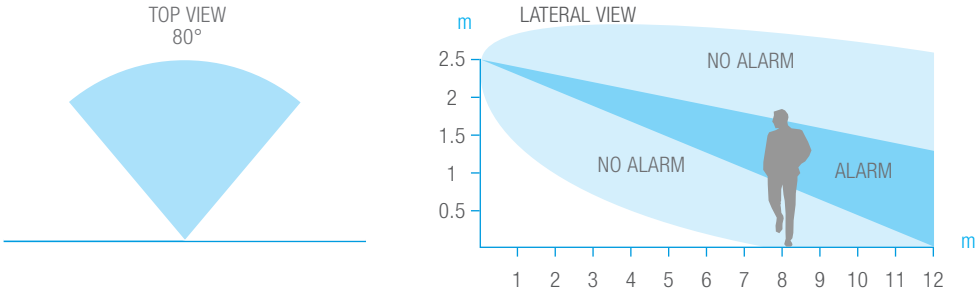
	CODE	ID	DESCRIPTION
	846EA-0380	PXIRVE	Passive infrared volumetric detector. Made with two detection heads, adjustable individually to achieve the best coverage. Possibility of operation of the two heads in AND OR logic. Range 12 m opening 100° with 10 beams for each detection head. The range can be adjusted using dip switches. Installation outdoors on the wall or on a post, particularly suitable for protective outdoor volumes. Current draw 100 mA. Operating temperature -40 ÷ +70 °C. IP54 protection rating. Dimensions 190 x 85 x 75 mm
	846EA-0390	PXDTVE	Dual technology volumetric detector. Made with two detection heads, one passive infrared and one microwave, that operate with AND logic, individually adjustable to achieve the best coverage. Range 12 m opening 80° with 5 beams on 1 floor. The range of both heads can be adjusted using trimmers and dip switches. Outdoor wall or post mounted, especially suited for protecting outdoor volumes. Current draw 50 mA.Operating temperature -40 ÷ +70 °C. IP54 protection rating. Dimensions 190 x 85 x 75 mm

The PXIRVE and PXDTVE can be used with the PXDTVES post-bracket.

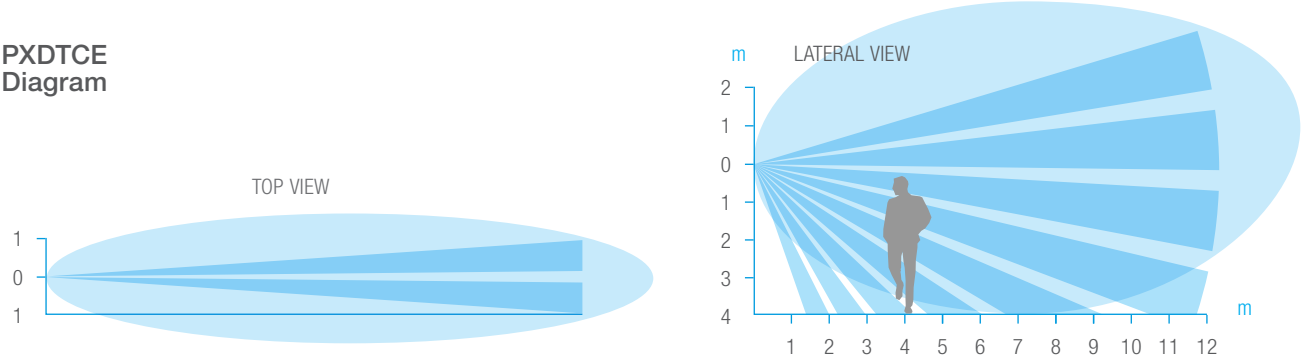
PXIRVE Diagram



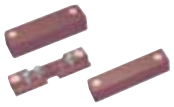
PXDTVE Diagram



PXDTCE Diagram



PERIMETER DETECTORS

	CODE	ID	DESCRIPTION
	846EF-0010	CSP01	Magnetic contact for surfaces. Plastic container. NC contact connection via internal terminals. Operating distance 15 mm. Operating temperature -10° ÷ + 50 °C. Dimensions: REED contact 60 x 17 x 13 mm; Magnet: 60 x 13 x 13 mm. White.
	846EF-0020	CSP02	Magnetic contact for surfaces. Plastic container. NC contact connection via internal terminals. Operating distance 15 mm. Operating temperature -10° ÷ + 50 °C. Dimensions: REED contact 60 x 17 x 13 mm; Magnet: 60 x 13 x 13 mm. Brown.
	846EF-0030	CSP21	Magnetic contact for surfaces. Plastic container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 30 cm long. Operating distance 18 mm. Dimensions: REED contact 32 x 8 x 13 mm; magnet 32 x 8 x 13 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV. White.
	846EF-0040	CXP31	Magnetic contact for surfaces. Plastic container. Connects to the NC contact by way of two 30-cm-long wires. Operating distance 10 mm. Dimensions of the REED contact 60 x 5 x 16 mm; magnet: 60 x 5 x 16 mm. White.
	846EF-0050	CIO21	Recessed magnetic contact. Brass container with knurled body. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 30 cm long. Operating distance 10 mm.Dimensions: REED contact 15 x 6.5 mm; magnet: 15 x 6.5 mm; the fastening diameter is 6.5 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.
	846EF-0060	CIO23	Recessed magnetic contact. Brass container with knurled body. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 30 cm long. Operating distance 10 mm. Dimensions: REED contact 30 x 7.6 mm; magnet: 19.5 x 7.6 mm; fastening diameter 8 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.
	846EF-0070	CIO22	Recessed magnetic contact. Brass container with smooth body. Connects to the NC contact by way of two 30-cm-long wires. Operating distance 12 mm. Operating temperature -25 ÷ +60 °C Dimensions: REED contact 22 x 7.5 mm; magnet: 22 x 7.5 mm; The fastening diameter is 7.5 mm.
	846EF-0080	CSPM02	Miniature magnetic contact for surfaces. Aluminium container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 30 cm long. Operating distance 10 mm. Dimensions: REED contact 25 x 6 x 6 mm; magnet: 25 x 6 x 6 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.
	846EF-0090	CSP60	Magnetic contact for surfaces. Aluminium container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 30 cm long. Operating distance 18 mm. Dimensions: REED contact 32 x 15 x 8 mm; magnet: 32 x 15 x 18 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.

MAGNETIC CONTACTS FOR DOORS AND FIXTURES IN FERROUS MATERIAL

	CODE	ID	DESCRIPTION
	846EF-0100	CSA31	Magnetic contact for surfaces. Aluminium container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 120 cm long. Operating distance 22 mm. Dimensions: REED contact 80 x 18 x 18 mm; magnet: 80 x 18 x 18 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.
	846EF-0110	CSA11	Magnetic contact for surfaces. Aluminium container. NC contact connection via internal terminals. Operating distance 22 mm. Dimensions: REED contact 80 x 18 x 18 mm; magnet: 80 x 18 x 18 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class II.
	846EF-0120	CIP31	Recessed magnetic contact. Plastic container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 30 cm long. Operating distance 10 mm. Dimensions: REED contact 28 x 20 mm; magnet: 28 x 20 mm; fastening diameter 18 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.

SPECIAL MAGNETIC CONTACTS

	CODE	ID	DESCRIPTION
	846EF-0130	CPA31	Magnetic contact for overhead doors. Aluminium container. Connection by way of four wires, two of which for anti-tampering and two for NC contacts, in 1.2 meter-long metallic sheath. Operating distance 25 mm. Dimensions: REED contact 130 x 42 x 15 mm; magnet: 98 x 30 x 25 mm. Regulatory compliance: EN 50131-2-6 Grade 2 environmental class IV.
	846EF-0140	CSA12	Double balancing safety magnetic contact for surfaces. Aluminium container. Connection via 4 internal terminals, 2 to prevent tampering and 2 for the NC contact. The operating distance is 5 mm. Dimensions: REED contact 120 x 37 x 27 mm; magnet: 120 x 37 x 27 mm. Regulatory compliance: EN 50131-2-6 Grade 3 environmental class IV.

VIBRATION AND MOTION DETECTORS

	CODE	ID	DESCRIPTION
	846EF-0150	CAS01	Shutter motion rod detector. Plastic container. Connection via 3 wires (C-NO-NC contact), 10 cm long. Dimensions 55 x 57 x 31 mm Rod length 330 mm.
	846EF-0160	CFSST	Wired shutter motion detector. Plastic container. Connectionby way of two wires. Operating temperature -10 ÷ +50 °C. Dimensions 93 x 85 x 16 mm.Rope length 3 m. Needs the SAC01 analysis card (for connection with the PXC08).
	846EF-0170	CFSST02	Shutter motion rope detector. Plastic container. Steel sliding pulley. Connection via terminals. Operating temperature -5 ÷ +50 °C. Dimensions 102 x 90 x 14 mm. Rope length 2.8 m. Needs the SAC01 analysis card (for connection with the PXC08).
	846EA-0400	RRV14	Volumetric glass break detector. Plastic container. Range 14 m Current draw m4 Operating temperature -10 ÷ +60 °C. Dimensions 29 x 52 x 89 mm.
	846EF-0180	CFI02	Shutter motion rope detector with built-in analysis card. Plastic container. Connection via 4 wires, 2 for powering the device and 2 for alarm contact, 1 m long. Current draw 100 uA. Operating temperature -5 ÷ +50 °C. Dimensions 102 x 98 x 16 mm. Rope length 2.9 m.
	846EA-0410	RVB01	Piezoelectric vibration detector. Plastic container. Connection via terminals. Particularly suitable for protecting doors and windows. Sensitivity adjustment. Current draw 20 mA. Operating temperature 0° ÷ + 55 °C. Dimensions 86 x 21 x 25 mm.
	846EA-0420	RIN01	Gold bar vibration detector. Plastic container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, 90 cm long. Particularly suitable for protecting glass surfaces. Coverage range on glass 2.5 m. Operating temperature -5 ÷ +50 °C. Protection rating IP55. Dimensions 34 x 34 x 21 mm Needs the SAC02 analysis card (for connecting to the PXC08).
	846EA-0430	CIS03	Gold bar vibration detector. Plastic container. Connection via terminals. Particularly suitable for protecting glass, walls and surfaces in general. Coverage range on glass 2.5 m. Operating temperature -10 ÷ +60 °C. Dimensions 28.5 x 51 x 17 mm. Needs the SAC02 analysis card (for connecting to the PXC08).
	846EA-0440	CEG65	Ball vibration detector for outdoor use. Painted aluminium container. Connection via 4 wires, 2 to prevent tampering and 2 for the NC contact, in metal sheath, 1 m long. Particularly suitable for protecting gratings and fencing. Operating temperature -20 ÷ +60 °C. IP65 protection rating. Dimensions 56 mm x 22 Ø. Requires the SAC02 analysis board (for connecting with the PXC08).

ACCESSORIES FOR PERIMETER DETECTORS

	CODE	ID	DESCRIPTION
	846XA-0010	SAC03	Analysis card for CFSST and CFSST02 detectors. For connecting up to five, shutter motion-sensors connected serially. Number of impulses adjusted via Dip-switches. Current draw 2.1 mA. Operating temperature -10° ÷ +50 °C. Dimensions 58 x 58 x 20 mm.
	846XA-0020	SAC04	Analysis board for the RIN01, CIS03, CEG65 detectors. This allows the connection of one or more vibration detectors connected in series (max 5). Sensitivity is adjusted via the Dip-switches. Absorption 2.1 mA. Operating temperature -10° ÷ +50 °C. Dimensions 58 x 58 x 20 mm.

BARRIERS

INFRARED BARRIERS FOR DOORS AND WINDOWS

CODE	ID CODE	DESCRIPTION
		Infrared beam barrier for doors and windows. Each detection beam is made up of two AND-logic rays. To interrupt the beam, both rays must be interrupted. It is also possible to set the AND function between two beams in order to prevent false alarms. Wired synchronism connection between the two bars.
846EC-0010	**BI205**	Height 0.4 m with 2 detection beams, black.
846EC-0020	**BI410**	Height 1.0 m with 4 detection beams, black.
846EC-0030	**BI615**	Height 1.5 m with 6 detection beams, black.
846EC-0040	**BI820**	Height 2.0 m with 8 detection beams, black.
846EC-0050	**BI825**	Height 2.5 m with 8 detection beams, black.
846EC-0060	**BI205W**	Height 0.5 m with 2 detection beams, white.
846EC-0070	**BI410W**	Height 1.0 m with 4 detection beams, white.
846EC-0080	**BI615W**	Height 1.5 m with 6 detection beams, white.
846EC-0090	**BI820W**	Height 2.0 m with 8 detection beams, white.
846EC-0100	**BI825W**	Height 2.5 m with 8 detection beams, white.
846XC-0060	**BI4SD**	Pack of 4 brackets for infrared barriers for doors and windows. It allows the rotation of the bars on their vertical axis, in order to achieve proper positioning (use a pack of 4 brackets for each barrier).

FUNCTIONAL FEATURES

ID	BI205-B205W	BI410-BI410W	BI615-B615W	BI820-BI825W	BI825-BI825W
Supply voltage (V DC)	13.8	13.8	13.8	13.8	13.8
Current draw (mA)	50	50	50	80	80
Height (m)	0.5	1	1.5	2	2.5
Detection beams	2	4	6	8	8
Indoor range (m)	30 black verson 5 white version	30 black verson 5 white version	30 black verson 5 white version	30 black verson 5 white version	30 black verson 5 white version
Outdoor range (m)	15 black version 5 white version	15 black version 5 white version	15 black version 5 white version	15 black version 5 white version	15 black version 5 white version
Minimum distance between the bars (m)	0.4	0.4	0.4	0.4	0.4
Protection rating	IP54	IP54	IP54	IP54	IP54
Dimensions (mm)	25x500x22	25x1000x22	25x1500x22	25x2500x22	25x2500x22
Operating temperature (°C)	-10 ÷ + 65	-10 ÷ + 65	-10 ÷ + 65	-10 ÷ + 65	-10 ÷ + 65

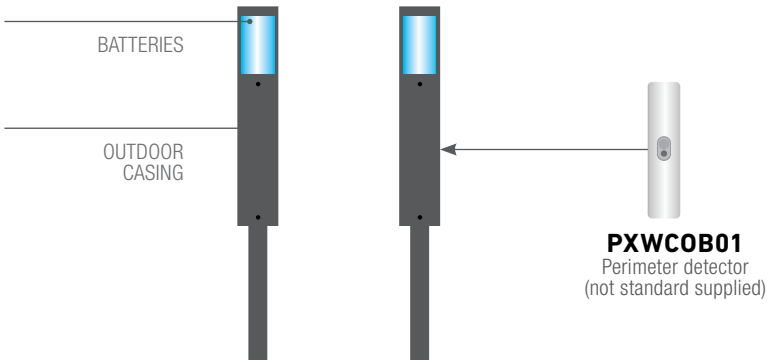
INFRARED BARRIERS FOR DOORS AND WINDOWS CONFIGURED FOR WIRELESS TRANSMITTERS

	CODE	ID	DESCRIPTION
			Infrared beam barrier for doors and windows. Supplied with outer casings for housing batteries and the PXWCO01 perimeter detector to use as a transmitter (this enables radio communications between the barrier and the PXC24W and PXC99W radio control-units and with the PXC48, PXC96 and PXC200 control units fitted with the PXWRX receiver). Each detection beam is made up of two AND-logic rays. To interrupt the beam, both rays must be interrupted. It is also possible to set the AND function between two beams in order to prevent false alarms. Optical synchronism between the two bars with simplified alignment system.
	846EC-0110	BIWB205AS	Height 0.4 m with 2 detection beams, black.
	846EC-0120	BIWB410AS	Height 1.0 m with 4 detection beams, black.
	846EC-0130	BIWB615AS	Height 1.5 m with 6 detection beams, black.
	846EC-0140	BIWB820AS	Height 2.0 m with 8 detection beams, black.
	846XC-0070	BBW219	Package of two 3.6 V 19 Ah batteries for the BIWB205AS, BIWB410AS, BIWB615AS barriers.
	846XC-0080	BIWBOX	Pack of 2 spare outer containers for housing batteries and the PXWCO01 perimeter detector.

FUNCTIONAL FEATURES

ID	BIWB205AS	BIWB410AS	BIWB615AS	BIWB820AS
Supply voltage (V DC)	Battery 3.6 V 19 Ah	Battery 3.6 V 19 Ah	Battery 3.6 V 19 Ah	Battery 3.6 V 19 Ah
Battery life (months)	12-36	12-36	12-36	12-36
Height (m)	0.5	1	1.5	2
Detection beams	2	4	6	8
Indoor range (m)	15	15	15	15
Outdoor range (m)	5	5	5	5
Minimum distance between the bars (m)	0.4	0.4	0.4	0.4
Protection rating	IP54	IP54	IP54	IP54
Dimensions (mm)	25x500x22	25x1000x22	25x1500x22	25x2500x22
Operating temperature (°C)	-10 ÷ + 65	-10 ÷ + 65	-10 ÷ + 65	-10 ÷ + 65

Housing for the PXWCOB01 - PXWCOM01 perimeter detector



INFRARED BARRIERS FOR OUTDOOR USE

	CODE	ID	DESCRIPTION
	846EC-0150	BE260	Infrared barrier for outdoor use. Height 18.5 cm with 1 detection beam each consisting of two beams operating with AND logic (to stop the beam, it is necessary to interrupt both the rays). Optical synchronism between the two bars. Wall installation. Range: indoors 250 m; outdoors 60 m. Total current draw of columns 90 mA. Operating temperature -25 ÷ +65 °C. IP65 protection rating. Width 78 mm, depth 78 mm. Black.
	846XC-0090	BE260H	Internal heater kit for BE260 barriers. Consisting of a heating resistor and a special thermostat, this guarantees a suitable temperature value inside the TX and RX devices, allowing the smooth functioning of the barrier even at low temperatures. To install on both the receiver and the transmitter (1 kit for each barrier). Total current draw of pair of heaters 250 mA.

	DESCRIPTION
	Infrared barrier for outdoor use. Possibility to set the AND function, between two rays (the alarm is generated when two beams, from those envisaged, are interrupted at the same time) or only between the first two rays, in order to prevent false alarms. Optical synchronism between the two bars with simplified alignment system. Built-in thermostat heater. Either wall or post mounted.

	CODE	ID	
	846EC-0160	BQ810AS	Height 1.0 m 16 crossed detection beams, black.
	846EC-0170	BQ815AS	Height 1.5 m 16 crossed detection beams, black.
	846EC-0180	BE820AS	Height 2.0 m 36 crossed detection beams, black.
	846EC-0190	BE825AS	Height 2.5 m 36 crossed detection beams, black.
	846XC-0100	BISPL	Bracket for post/wall assembly for BQ810AS, BQ815AS, BE820AS, BE825AS barriers for outdoor use (use 2 brackets for TX and 2 brackets for RX for each barrier).
	846XC-0180	BIPL1	Pole with base for fastening outdoor barrier. BQ810AS, BQ815AS, BE820AS, BE825AS, (use 2 posts for each barrier). Height 1 m.
	846XC-0190	BIPL2	Pole with base for fastening outdoor barrier. BQ810AS, BQ815AS, BE820AS, BE825AS, (use 2 posts for each barrier). Height 2 m.

FUNCTIONAL FEATURES

ID	BQ810AS	BQ815AS	BE820AS	BE825AS
Supply voltage (V DC)	12	12	12	12
Absorption by pair of posts (mA)	135-210	135-210	135-210	135-210
Heater's power-supply voltage (V DC AC)	10-30	10-30	10-30	10-30
Heater's current draw by post (W)	35-85	35-85	35-85	35-85
Height (m)	1	1.5	2	2.5
Detection beams	16	16	36	36
Indoor range (m)	200	200	200	200
Outdoor range (m)	100	100	100	100
Minimum distance between the bars (m)	0.4	0.4	0.4	0.4
Protection rating	IP65	IP65	IP65	IP65
Dimensions (mm)	60x1000x60	60x1500x60	60x2500x60	60x2500x60
Operating temperature (°C)	-25 to +70	-25 to +70	-25 to +70	-25 to +70

DETECTORS FOR TECHNICAL ALARMS

LIQUID DETECTORS

	CODE	ID	DESCRIPTION
	846EA-0450	RLI01	Liquid and moisture detector for floor installation. Plastic container. Output with NC contact for connection to an alarm control unit.Power supply 12/24 V cc; current draw 30 mA. Operating temperature -5 ÷ +50 °C. Dimensions 80 x 80 x 20 mm.
	846EA-0460	RLI02	High-precision liquid detector for floor installation. Aluminium container. Output with NC contact for connection to an alarm control unit.Power supply 12/24 V cc; current draw 40 mA. Operating temperature -10 ÷ +50 °C. Dimensions 120 x 37 x 26 mm.

WIRED SIRENS

SIRENS FOR OUTDOOR USE

	CODE	ID	DESCRIPTION
	846LA-0020	PXSEA	Self-powered siren for outdoor use. White polycarbonate container. Sound power 101 dB at 1 m. High-efficiency orange LED flashing light. Independent input for controlling the flashing light for system state alerts. Active anti-foam control with contact output. Absorption: when idle 300 mA, in alarm state 1.5 A. Operating temperature -25 ÷ +50 °C. IP44 protection rating. Dimensions 280 x 140 x 135 mm. Takes a 2 Ah battery (BB020). Regulatory compliance EN 50131-4 Grade 2.
	846LA-0030	PXSEG	Self-powered outdoor siren. LED high-efficiency gray flashing light. Characteristics just like the PXSEA.

SIRENS FOR INDOOR USE

	CODE	ID	DESCRIPTION
	846LA-0040	BXSIAS01	Recessed siren for indoor use. ABS container. Sound power 80 dB at 1 m. Equipped with reinforcements suitable for installation with plates used in the main wiring systems on a type 503 box. Current draw 30 mA. Operating temperature 5 ÷ +40 °C. IP30 protection rating. Dimensions 68 x 46 x 49 mm. Black.
	846LA-0050	APF22	Wall-mounted siren for indoor use. ABS container. Acoustic power 114 dB at 1 m. Current draw 200 mA. IP30 protection rating. Operating temperature -25 ÷ +55 °C. Dimensions 160 x 110 x 50 mm. White.

UNIVERSAL TELEPHONE DIALLERS

UNIVERSAL TELEPHONE DIALLERS

	CODE	ID	DESCRIPTION
	846NC-0150	GSM11	Dual band GSM communicator (900/1800 MHz) with built-in keypad and display. 2 alarm inputs, 20 storable phone numbers, 2 voice messages for signalling alarm events and a message address for system identification. Possibility of sending text messages, voice messages or both for each number stored. 4 open collector outputs that can be activated remotely via SMS, DTMF tones or remote control function (output is activated with a simple call to the communicator via a number stored in the phonebook. Remote activation function free of charge) with notification that activation has taken place. Event memory (last 50 events). Programming using the keypad and display, text message or PRGSM programming kit. No SIM provided. 12 V DC power supply. Takes 3 x AA 2.1 Ah - 1.2 V BB022 buffer batteries. Current draw at rest 150 mA, during transmission 400 mA. Operating temperature -5/+40°C. IP40 protection rating. Dimensions 260x130x42 mm.
	846XC-0110	C4M00401	Card with 4 relays for connecting to the GSM11's open collector outputs.
	846XC-0120	BXANGM01	Supplementary antenna for the GSM11, includes 3 m-long cable.
	846XG-0010	BB022	Battery type AA 2.1 Ah - 1,2 V Nickel Metal hydride for the GSM11. Features three for each communicator.
	846XC-0130	PRGSM	Programming kit for the GSM11. RS232 interface for connection to PC complete with GSManager programming software.

POWER-SUPPLY UNITS AND BATTERIES

SUPERVISED POWER-SUPPLY UNITS ON BUS

	CODE	ID	DESCRIPTION
	846NA-0030	PXALS15	Auxiliary power supply supervised for burglar alarm systems in metal container. Power-supply voltage 230 Vca; Outgoing voltage 13.8 Vcc. Outgoing current 1.5 A. Short-circuit and overload protection. When connected on the system bus, it communicates its operating status to the control unit, analysing all operating conditions. The casing houses one 7Ah BB065 battery and two of the following types of modules: PX8IR, PX8OR, PXABR. Possibility of use even without the connection to the system bus as a standard power supply station. Two O.C. outputs for local alerts of power-supply unit and network malfunctions. Operating temperature -10/+40°C. Dimensions 405x295x90 mm. Regulatory compliance: EN 50131-6 Grade 2.
	846NA-0040	PXALS30	Auxiliary power supply supervised for burglar alarm systems in metal container. Power-supply voltage 230 Vca; Outgoing voltage 13.8 Vcc. Output current 3 A. Short-circuit and overload protection. When connected on the system bus, it communicates its operating status to the control unit, analysing all operating conditions. The container is for housing a 17Ah BB180 battery and five of the following types of modules: PX8IR, PX8OR, PXABR. Possibility of use even without the connection to the system bus as a standard power supply station. Two O.C. outputs for local alerts of power-supply unit and network malfunctions. Operating temperature -10/+40°C. Dimensions 490x360x90 mm. Regulatory compliance: EN 50131-6 Grade 2.

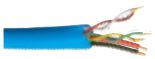
EN50131 **PXC08** **PXC48** **PXC96** **PXC200** **PXC99W**

BATTERIES

	CODE	ID	DESCRIPTION
	846XG-0020	BB020	Lead-acid battery 12 V 2 Ah.
	846XG-0030	BB072	Lead-acid battery 12 V 7.2 Ah.
	846XG-0040	BB180	Lead-acid battery 12 V 17 Ah.

ACCESSORIES

PROGRAMMING CABLES

	CODE	ID	DESCRIPTION
	846XC-0200	PXIPC	Programming cable. The package contains an RS232 cable, and an RS232-USB converter for programming the PXC08 control unit.
	846XC-0150	PXIPC01	Programming cable. The package contains a USB A-B cable to used for programming the PXC48, PXC96, PXC200, PXC24W, and PXC99W control units.
	846XC-0160	PXSTB	Temperature sensor. Can be used to control the control unit battery temperature. To be connected to the control-unit board. In the event of battery overheating, the charge voltage supplied by the control unit is suitably adjusted.
	846XC-0170	PXPSB	Battery discharge protection card. Can be used to control the charge level of the control unit batteries. When the charge level drops below a set threshold, the battery is disconnected to prevent damage.
	846XC-0140	PXANGM	GSM antenna. Supplied with steel brace and 10-m-long cable. It can be used with the PXGSM and PXGPRS modules when the series antenna does not receive a proper signal.
	846NC-0170	PXABR	RS485 bus signal amplifier. This guarantees communication when the BUS line is very long (over 400 m) or has numerous branches.
	-	PXMANAGER	Programming software. This allows the programming of all control unit parameters. Download for the updated version for free from the CAME website, or, request the assistance service.
	846RM-0010	PXC75	Alarm-system bus cable, screened and twisted, 2 x 0.75 + 2 x 2 x 0.22. 200-meter reel.
	846XG-0050	RL002	Card with 2 relays for connection to the open collector outputs on the control unit.

KITS

Control units, detectors, battery-operated sirens: all in one package. A practical solution to have everything you need to create an efficient system to hand.

KITS

	CODE	ID	DESCRIPTION
	8K46AA-001	PXKIT01	Hardwired burglar alarm kit made up of: • One PXC08 Control Unit • One 12 V - 7.2 Ah BB072 battery • Two infrared PXIRV01 volumetric detectors • One self-powered outdoor siren with PXSEA flashing light • One 12 V - 2 Ah BB020 battery • One APF22 indoor siren.
	8K46AA-002	PXKIT02	Hardwired burglar alarm kit made up of: • One PXC08 Control Unit • One 12 V - 7.2 Ah BB072 battery • Two PXDTV01 double-technology detectors • One self-powered outdoor siren with PXSEA flashing light • One 12 V - 2 Ah BB020 battery • One APF22 indoor siren.
	8K46AA-003	PXKIT03	Hardwired burglar alarm kit made up of: • One PXC48 Control Unit • One PXKTB01 keypad • One 12 V - 7.2 Ah BB072 battery • Two PXIRV01 infrared volumetric detectors, • One self-powered outdoor siren with PXSEA flashing light • One 12 V - 2 Ah BB020 battery • One APF22 indoor siren.
	8K46AA-004	PXKIT04	Hardwired burglar alarm kit made up of: • One PXC48 Control Unit • One PXKTB01 keypad • One 12 V - 7.2 Ah BB065 battery • Two PXDTV01 double-technology detectors • One self-powered outdoor siren with PXSEA flashing light • One 12 V - 2 Ah BB020 battery • One APF22 indoor siren.
	8K46AA-005	PXKITWL01	Burglar alarm kit made up of: • One PXC99W Control-Unit • One PXWCOB01 radio-based, perimeter detector • One PXWIR01 volumetric detector • One PXWRC04 radio control • One 12 V - 2 Ah BB020 battery.
	8K46AA-006	PXKITWL02	Burglar alarm kit made up of: • One PXC24W Control-Unit • One PXWCOB01 radio-based, perimeter detector • One PXWIR01 volumetric detector • One PXWRC04 radio control • One 12 V - 2 Ah BB020 battery.

ANALYTICAL INDEX BY **CODE**

ANALYTICAL INDEX BY **ID**

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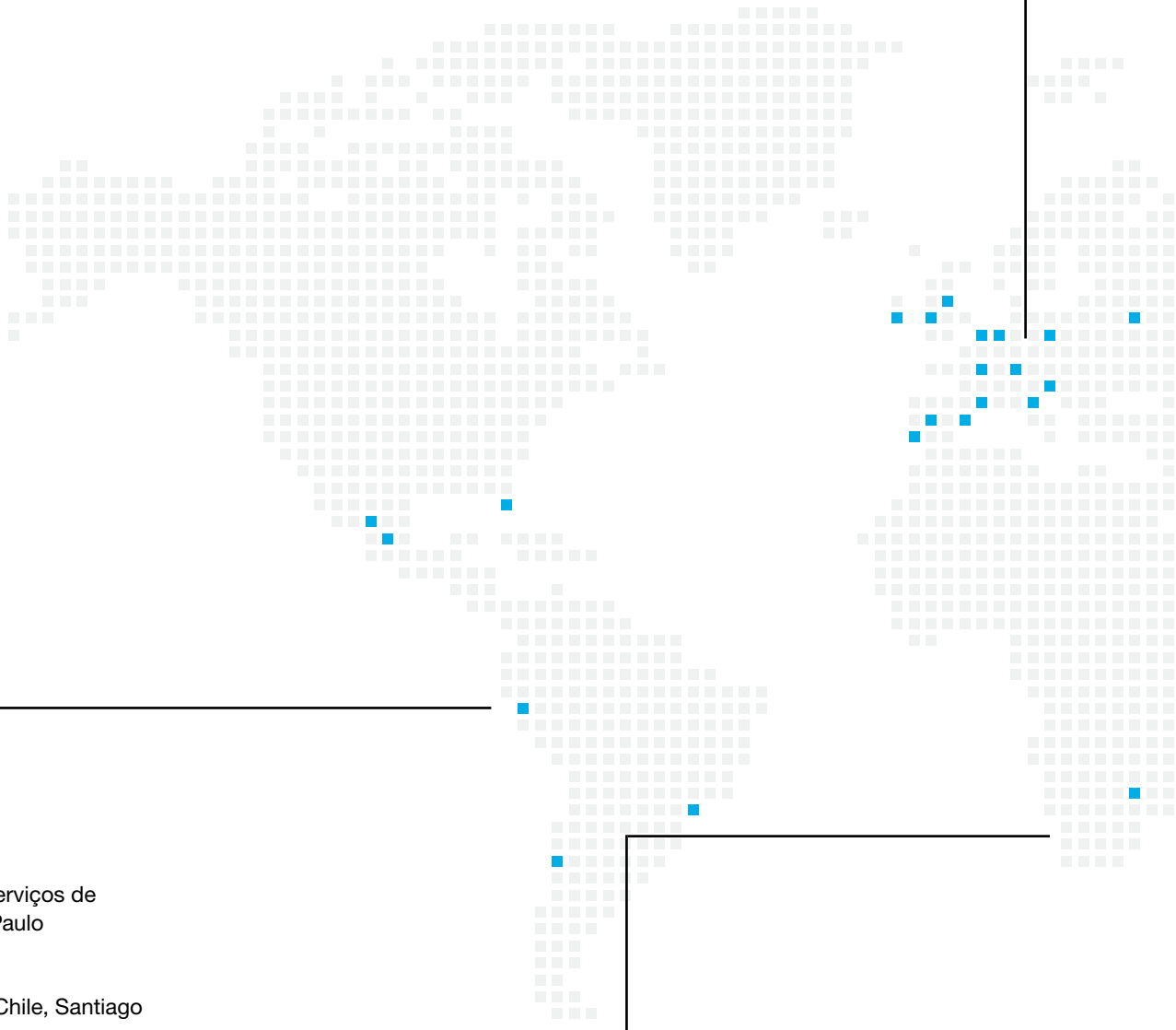

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