



UK Product Catalogue

2017

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About us

Founded in 1986, Pyronix is a world-leading manufacturer of intruder prevention equipment for use in residential, commercial and industrial applications.

Pyronix' focus on engineering excellence and cutting-edge design has helped the company reach a market-leading position within the UK. The company ensures its unrelenting success by continuously introducing new products to their already extensive range, such as the award-winning Enforcer two-way wireless technology, the XD external range of detectors and the EURO control panels.

Pyronix is at the forefront of the industry in introducing new platforms and software options to the market. These technologies aim to greatly enhance the experience of both the installer and user alike and started with the PyronixCloud and a whole host of IP communicators.

Being one of the foremost companies to offer an advanced user experience, with remote control of the security system from anywhere in the world, through the HomeControl+ App, Pyronix continue to add more features. HD WiFi cameras provide live video streaming and monitoring options, while wired-in programmable automation outputs enable the user to control garage doors or gates.

Pyronix continues to invest in certifying its products to the latest EN50131 standards and supporting an ambitious programme of developing the next generation of products.

In 2015, a multi-million pound investment culminated in the opening of a brand new state-of-the-art manufacturing facility in the UK. This facility maintains the company's ability to meet the ever-increasing demand for its products.

In May 2016, this privately owned company became a part of the largest supplier of surveillance equipment in the world, Hikvision. This China-based giant immediately invested in adding more resources to the Pyronix R&D team and in developing an aggressive strategy to considerably expand the Pyronix product range and strengthen its worldwide market position. One of the key elements of this strategy will be the long-established brand association with engineering excellence, high performance, innovation and accessibility.

Pyronix has always been devoted to strengthening partnerships and developing innovative ways of supplying the best possible solutions to meet their customers' needs and this is a trend that they remain firmly committed to.

[Find out more](#)



Residential and Commercial Solutions

The Pyronix range of control panels offer multiple solutions for the protection of residential and small to large commercial premises. The range consists of a wireless all-in-one control panel, the Enforcer V10, and the Euro V10 control panels. A range of wired and hybrid systems.

Wireless solution

The Enforcer V10 is approved to EN50131 Grade 2 and is suitable for residential and small commercial installations. The Enforcer V10 starts with 32 wireless and 3 wired inputs, it can be expanded to add a further 32 wired and wireless inputs.

Hybrid solution

There are 2 control panels in the Euro V10 control panel range:

- EURO46S V10 approved to EN50131 Grade 2
- EURO46L V10 approved to EN50131 Grade 3

These systems start with 8 wired inputs, and can be increased using our wired and wireless expansion modules.

Common programming and peripherals

The control panels share the same wired and wireless peripherals, communication modules, remote programming software and cloud applications.

The same programming menu structure and diagnostic tools provide uniformed working across the range, which maximises usability and convenience for the installer.

Enforcer two-way wireless technology

Both solutions benefit from the use of the multi-award winning Enforcer two-way wireless protocol and a whole host of wireless peripherals. This includes PIR's and dual technology detectors, transmitters, safety sensors, sirens, arming devices and detectors for external protection.

Our Enforcer two-way wireless protocol has taken wireless protection to a new level; providing a truly high security, wireless solution.

Communication & app compatibility

Both solutions use the same communication options. The APP enabled panels also give the great user and installer features offered by the PyronixCloud infrastructure:

- Remotely control multiple systems
- Receive both push and the new innovative voice alarm notifications
- Fully compatible with iOS and Android devices

Remote diagnostic programs

Locally or remotely diagnose, maintain and program systems using the free UDL InSite and the PyronixCloud infrastructure.

These applications can be used via any of the IP communication modules, such as DIGI-GPRS, DIGI-LAN and DIGI-WIFI.

DIGI-GPRS & roaming SIM

The DIGI-GPRS modem supports IP and SMS communications. This modem is fully roaming and when used together with the Pyronix HomeControl roaming SIM, offers the best out-of-the-box, secure and flexible plug-and-play communication solution.

The SIM will automatically connect to the best network available and covers most European counties.

The service is activated through the PyronixCloud and includes one-year unlimited data usage when used with Pyronix control panels. It also supports SMS messaging.

ARC communications

Both solutions support Contact ID IP and SIA Level 3 IP and are capable of sending alarm events to monitoring stations.

The free Pyronix ENIP server software provides a secure link between control panels and monitoring stations.

This software must be used to receive events and can be interfaced with any modern alarm receiving software via standard automation protocols.



PyronixCloud.com

The PyronixCloud acts as a gateway between the Pyronix IP control panels, the HomeControl+ App and the UDL InSite software.

Fully Encrypted System

The connections to and from the PyronixCloud are fully encrypted to ensure all messages, including push notifications, are safely and securely transmitted.

Remote monitoring tools & account controls

The PyronixCloud provides excellent tools for installers and monitoring stations, who offer monitoring and maintenance services to their customers. The PyronixCloud infrastructure allows the account holder to add and remove app users and manage the type of push notifications sent.

Online administration software

Hosted with Amazon Web Services, utilising load balance technology and health monitoring, the PyronixCloud acts as the online administration software for connected Pyronix IP control panels.

App Customisation

With the PyronixCloud, installers can fully personalise their apps by adding their logo to the HomeControl+ App homepage. The additional branding delivers maximum brand exposure while enhancing customer experience.

See it in action

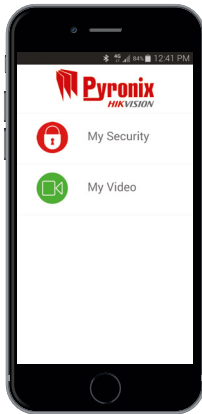


HomeControl+ App

HomeControl+ gives users unprecedented access and visibility over their home and business systems, from anywhere in the world. It allows end users to set and unset their system, get push notifications to their Android or iOS smart devices when events occur, receive customised notifications and check the status of each individual sensor.

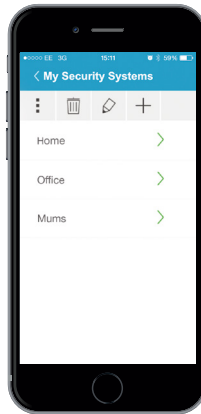
The HomeControl+ App supports the innovative new voice push notification feature, which sends a voice notification directly to the user's smartphone. This ensures the user is alerted if their alarm is triggered.

HomeControl+ is compatible with the Enforcer V10 and EURO46 V10 panels and is available on Android and iOS devices.



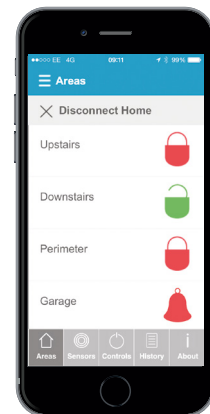
HomeControl+ App

Users can download the Pyronix HomeControl+ App from the Apple App store or Google Play store and connect to their Pyronix app-enabled control panels and video cameras.



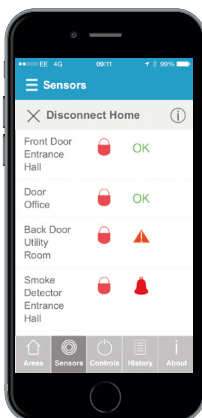
My security system

Multiple systems can be accessed through the HomeControl+ App. The user can add, delete, edit and connect to the system, change settings and view notifications.



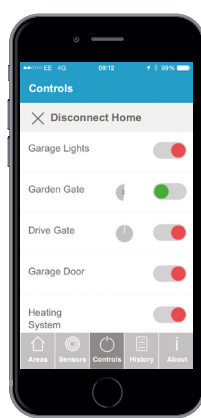
Areas

Users can view area status in real-time and set or unset them from anywhere in the world. Simple locked and unlocked padlocks indicate the status, while a bell indicates if the system is in alarm.



Sensors

The user can view the status of the sensors on the system, whether they are armed or disarmed in real time, see which sensor has gone into alarm, view sensor faults or even bypass them.



Controls

The status of automation outputs can be viewed in real-time, allowing unprecedented control over a variety of appliances such as: lighting, shutters, garage doors and more.



My video

Users can check on their home from anywhere in the world, viewing their property through up to eight WiFi cameras.





Areas

Disconnect Home

Upstairs



Downstairs



Perimeter



Garage





Insite

Remote maintenance software

Enabling authorised users remote access to an alarm control panel, with the ability to monitor alarm events, diagnose potential faults and view the entire electrical status of the system.

You can literally verify that your customer's security system is fully functional down to the last 'nut and bolt' to give them complete confidence and peace of mind.

Alterations needed? No need to send an engineer to site; a few clicks of the mouse and you're finished - maintaining a more efficient and cost effective service for clients by keeping site visits down to a minimum and doing all maintenance from your office.

Within InSite, you can access a full database of every client and their complete system configuration, meaning a site can be programmed in minutes, saving you engineering time and minimising the chances of mistakes.

InSite enhances your customer's security by constantly checking on the electrical status and functional capability of the alarm system.

A full service can be automatically performed, recorded and compared with initial readings. At a programmable pre-set time, the control panel will call your software and upload a full report on the status of the system, which may be printed, copied or automatically emailed.

Service visits are kept to a minimum as the InSite software maintains the control panel with regular maintenance reports, ensuring it is always operating at its peak performance level.

All detectors on the customer's premises are regularly checked to ensure their complete protection; commonly used detectors can be programmed so that an automatic walk test is carried out.

If a component degradation occurs it can be picked up instantly and alert you in your office of any devices that need replacing upon service - visit the site once and provide a rapid, professional service.

Sensitive data is kept secure, with the ability for each of your employees to have their own separate password protected account within the software, plus each account is fully customisable, meaning you can grant each user access to the necessary program functions for their job - keeping your clients safe and secure.

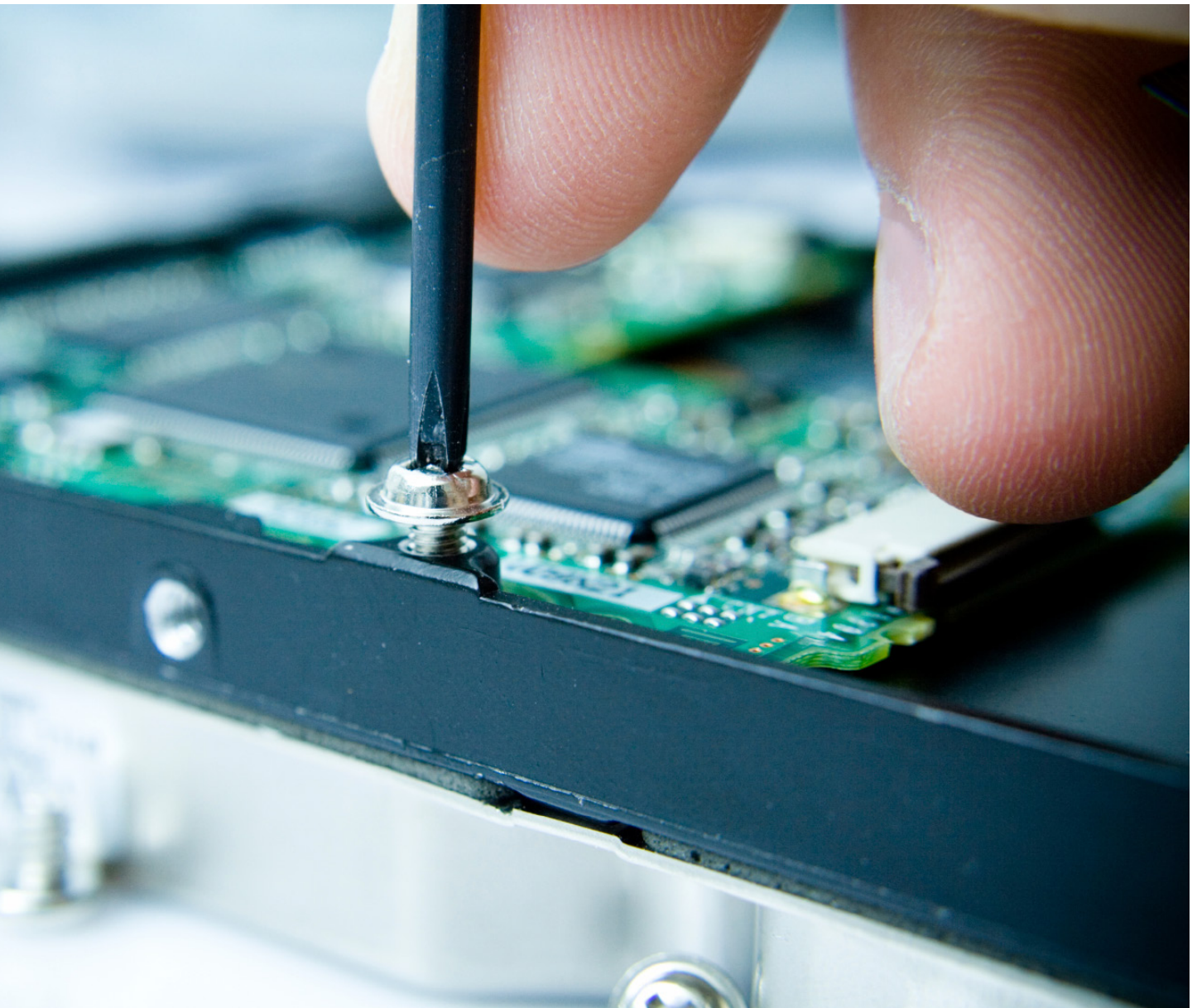
Receive instant notifications should one of the following scenarios occur: faults, alarms, access control events and set/unset events. Each panel can be configured to send only the information you wish to receive and all events can be configured with their own unique colour, while also being time and date stamped for the quick identification of key events.

Schedule an automatic daily back-up of your database so that you do not lose any vital data in a disaster recovery situation.

You can switch outputs on and off remotely, along with opening doors if access control is being used. If you have a problem detector causing false alarm, you can place the detector on soak for a programmable time.

Set or unset a control panel from your PC, with control over individual areas or the entire system.

As with all Pyronix products, InSite is backed up with the full support of our technical team. Detailed manuals are provided on disk and full on-screen help is provided as standard to assist you through programming, alongside complete step-by-step diagrams.



CONTROL PANELS

Enforcer and Euro control panels and peripherals

The all-in-one wireless Enforcer V10 control panel is suitable for residential and small commercial applications and is approved to EN50131 for Grade 2 installations.

The EURO range of control panels are suitable for small residential and larger commercial applications and are approved for Grade 2 (EURO46 V10) and Grade 3 (EURO46L V10 & EURO280) installations.

The multi-award winning Enforcer two-way wireless technology delivers the convenience and ease of installation of a wireless system, without compromising on the reliability or security benefits of a wired system.



Two-way wireless technology

No mess, no fuss, simply excellent performance

The multi-award winning Enforcer two-way wireless technology delivers the convenience and ease of installation of a wireless system, without compromising on the reliability or security benefits of a wired system.

Real-time two-way device control

Each device on the system is both a transmitter and a receiver. This ensures that messages such as arming, disarming, alarm, tamper or supervision, have been received by each device on the system in real-time.

Multi-event transmission

All wireless peripherals know when the control panel is armed or disarmed. When the system is armed and an alarm is activated, the motion detectors do not disable, so that each new activation is transmitted to the ARC or user.

Prolonged battery life

When the system is disarmed all detector functions, besides two-way supervision, enter sleep mode to save battery life.

Jamming detection

Jamming detection is used to prevent accidental or deliberate attempts to disrupt the system.

Dead spot reduction with dual antennas

Dual antennas both transmit signals to help reduce 'dead spots'. This provides maximum stability of the system over a longer period of time.

Easy installation with Signal Strength Indicators (SSI)

Signal Strength Indicators (SSI) allow the installer to verify the quality of the signal received by the device, in real-time. Because the SSI is displayed on the device installation time is significantly reduced, as the installer does not have to keep referring back to the panel.

Two-way wireless keyfobs

Two-way wireless keyfobs indicate when the system is armed, disarmed or in alarm and can also control automation outputs.

Secured with 128-bit encryption

128-bit encryption provides effective protection of signals being transmitted by the system and prevents code-grabbing. This gives the wireless BUS a very high level of protection, ensuring peace of mind for both installers and users alike.

Longer range 1.6km in open space

The high sensitivity receiver allows a wireless signal range of up to 1.6km in open space, eliminating the need for repeaters and reducing installation costs.



Two-way wireless control panel

Ideal for any residential and small commercial application

Communication between the HomeControl+ App and the Enforcer control panel is encrypted to the highest standards, ensuring that sensitive information is secured and safe from accidental or malicious attacks.

A truly high security, wireless solution.

The Enforcer control panel all-in-one wireless control panel takes residential security to a new level. The Enforcer two-way wireless protocol offers a truly high security, wireless solution.

Up to 32 wireless inputs

The Enforcer control panel supports up to 64 wireless inputs, 4 arming stations, 32 keyfobs and 2 wireless sirens.

The extensive range of wireless peripherals available include: internal and external detectors, magnetic contacts, shock sensors, safety sensors and wireless arming devices.

Multi-event transmission

All wireless peripherals know when the control panel is armed or disarmed. When the system is armed and an alarm is activated, unlike other wireless detectors, our motion detectors do not disable immediately, so that each new activation is transmitted to the ARC or user.

Up to 32 wired inputs

The Enforcer control panel also supports wired inputs including wired keypads and proximity readers. The 2 on-board inputs and 3 outputs can be expanded to a maximum of 32 wired inputs and 16 wired outputs, using the integrated RS485 bus.

Communications, diagnostics & app compatibility

Using IP modems such as the DIGI-LAN, DIGI-WIFI or DIGI-GPRS, the Enforcer control panel is fully compatible with the PyronixCloud, HomeControl+ App, ENIP server and UDL InSite software. This enables controls, ARC connections and remote diagnostics of the system.

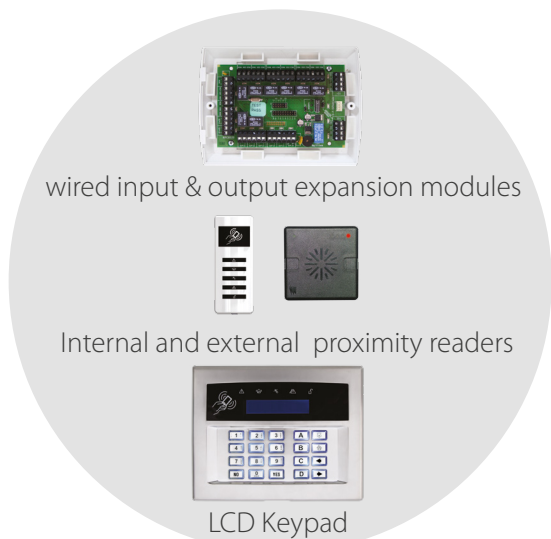
Home Automation outputs

The Enforcer control panel supports up to 19 wired automation outputs to give the user control of garage doors, gates or shutters for example. These can be controlled via the HomeControl+ App, keyfob or wired and wireless keypad.

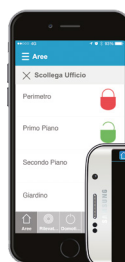
Enforcer system architecture



Control your security system from your smartphone or tablet with the HomeControl+ APP



Wired Accessories



Enforcer V10 two-way wireless control panel



Partcode ENF32UK-WE

Key features

Two-way wireless inputs	32 expandable to 64
Wired inputs	3 expandable to 34
Total inputs (maximum)	66
Wired outputs	2 expandable to 38
Encryption type (panel to peripherals)	128 bit Encryption
Encryption type (App communications)	AES 256 bit Encryption
Two-way wireless keyfobs	32
Two-way wireless sounders	2
User codes	75
SMS numbers	10
Integrated power supply	0.7A
Independent areas	4
Tamper protection	Front and back
Remote diagnostics	✓
HomeControl+ App compatibility	Android v4.1 and above and iOS v7.0 and above
Supported modems = DIGI-GPRS, DIGI-WIFI, DIGI-LAN (sold separately)	DIGI-WIFI
Compatible with ALL Pyronix communication modules	✓

Electrical specifications

Internal power supply	1A
Power supply	110-230 AC / 50-60 Hz
AUX output voltage	9-16DC (12DC nominal)
Current consumption	75mA in rest / 220mA in alarm
Programmable outputs	350mA
Input resistors	1k in rest 2k in alarm <1k>2k in tamper
Backup battery (included)	BATTENF8XAA - 9v, 2.1A
AUX fuse	500mA
Siren and strobe output	350mA





Other details

Operating storage temperature	-10°C/+50°C -20°C/+70°C
Weight	1025g
Dimensions	220 x 160 x 50 (mm)
Warranty	2 years

Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II

Accessories

	BATT-ENF8XAA	Battery for the Enforcer 2.1A		EURO-PTAG	Proximity tag for the Enforcer and EURO (5pcs)
	RS232	Programming cable		EUR-ETAG	5x Proximity tags for the Enforcer and EURO



Enforcer two-way wireless kits



Control Panel Modem Inc. KX10DP-WE MC1MINI-WE DELTA/MOD-WE KEYFOB-WE LEDRKP/WHITE-WE App Compatible

ENFORCER KIT 1 ENF/KIT1-UK	ENF32UK-WE	DIGI-WIFI	2	1	1	2	-	✓
ENFORCER KIT 2 ENF/KIT2-UK	ENF32UK-WE	DIGI-WIFI	2	1	-	2	-	✓
ENFORCER KIT 3 ENF/KIT3-UK	ENF32UK-WE	DIGI-WIFI	4	1	1	-	-	✓
ENFORCER RKP KIT1 ENF-RKP/KIT1-UK	ENF32UK-WE	DIGI-WIFI	2	1	1	-	1	✓
ENFORCER RKP KIT2 ENF-RKP/KIT2-UK	ENF32UK-WE	DIGI-WIFI	2	1	-	-	1	✓

**Phone sold separately



Large residential and commercial control panels

There are 2 control panels in this range:

- EURO46S V10 approved to EN50131 Grade 2
- EURO46L V10 approved to EN50131 Grade 3

Expandability and flexibility

Using the wired and wireless input expanders the EURO panels can support a large number of peripherals. This provides the installer the flexibility to add additional internal and external sensors to the system.

High security Enforcer two-way wireless

The wireless expander (EURO ZEM32-WE) uses the highly secure Enforcer two-way wireless protocol, which supports up to 32 wireless devices, 32 keyfobs, 4 arming stations and 2 wireless sirens. This means that installers can seamlessly add wireless internal and external detectors, shock sensors and safety sensors to the system.

The wired input expanders support inertia and roller shutter sensors, as well as high end anti-masking detectors, via the triple EOL wiring capability.

Common housing for a unified look

The common housing throughout our wired and two-way wireless peripherals ensure aesthetic consistency, should the installer decide to create a hybrid system.

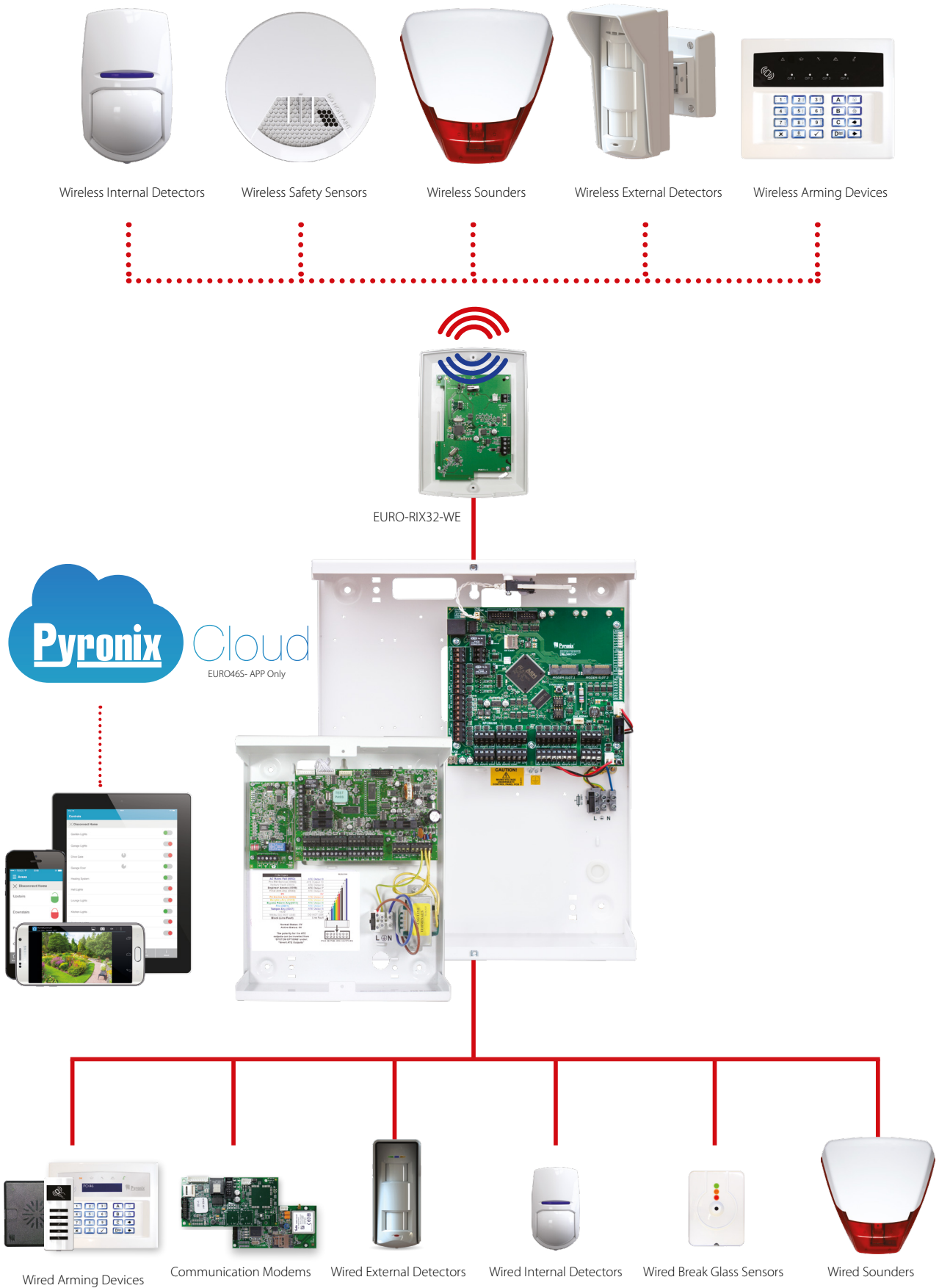
Communications, diagnostics & app compatibility

Using IP modems such as the DIGI-LAN, DIGI-WIFI or DIGI-GPRS, the EURO V10 is fully compatible with the PyronixCloud, HomeControl+ App, ENIP server and UDL InSite software. This enables controls, ARC connections and remote diagnostics of the system.

Automation outputs

The EURO46 V10 supports up to 30 wired automation outputs to give the user control of garage doors, gates or shutters for example. These can be controlled via the HomeControl+ App, keyfob or wired and wireless keypad.

EURO Control Panel system architecture





EURO 280 control panel

More power, more potential, more panel

Faster than ever and fully loaded with future-proof features, the Grade 3 EURO 280 is the perfect security system to provide premium protection for any commercial property.

From hospitals to hotels, supermarkets to museums, the EURO 280 has the extendibility, adaptability, functionality and most importantly the speed to deliver a completely tailored and supremely reliable security system.

Processor & Dual BUS

The EURO 280's processor and Dual BUS technology allow for super-fast data messages between the control panel and its connected devices, as well as wiring devices to two separate areas for greater contingency. So, up to 280 inputs and 420 outputs, can be added to the system on two separate 485 BUS cables, with fast and reliable data messaging. So, should an intruder cut the power to one BUS, all the devices on the second remain active. Therefore, any building, can be assured that they have a steadfast security system.

Diagnostic LEDs

These provide local indication as to whether an input wired in is active or inactive or in a healthy, alarm or fault state, they also show if the BUS is in a healthy state. This optimises the initial installation by helping the installer pinpoint any faults on the system locally, without having to manually check each device on the system.

Electrical Fuses

These protect the EURO 280 control panel from any surges of current, with the ability to be reset into a ready state again, rather than having to be completely manually replaced like glass fuses.

A Pyronix peripheral for every commercial property

The EURO 280 can perfectly suit any commercial Grade 3 installation and cover everything from utility rooms, closets, outbuildings, staff rooms, halls, floors, offices, entrances, exits, toilets, lobbies, exhibits, warehouses, medical cupboards, wards, laboratories, lecture theatres... any room in any building can be supremely secured with the EURO 280 and the Pyronix range of devices!

EURO 280 control panel



Partcode

FPEURO-280

Contents

Metal casing with tamper protection	✓
EURO 280 PCB	✓
Power supply	✓
Keypad	Sold separately
Communication modem	Sold separately

Key features

Level sets	14
Full areas	14
Wards (max)	29
Shunts	140
Wired inputs (NC/DEOL/3-EOL)	280 (max)
Two-way wireless inputs	96 with 3 EURO-ZEM32-WE
Set points	30 (max)
Outputs on board	8
ATE outputs on board	9
RS485 Bus	2
Two-way wireless keyfobs	32 (with a ZEM-32)
User codes and prox tags	500
Guard/duress codes	20
System logs	2100
Two-way wireless sounders	2 (with a ZEM-32)
Communication phone numbers	8
Reporting formats	Fast Format, Contact ID, SIA, WebWayOne, SMS & Chiron
Supported modules	PSTN, RS232

Technical specifications

Switch mode power supply	3.4A
Power supply	Quiescent ~75-90mA
Current consumption	Nominal 15VDC
AUX output voltage	13.6VDC
Programmable outputs	800mA
Siren and strobe output	800mA
Input resistors	4k7 Alarm, 2k2 Tamper (Selectable)
Battery capacity	7A to 17A
Electronic resettable AUX fuses	800mA
Electronic resettable siren fuse	800mA
USB connection for local UDL	✓

Other details

Operating storage temperature	-10°C to +40°C -20°C to +60°C
Dimensions	390 x 305 x 100mm
Weight	6kg
Warranty	2 years

Certifications

Electrical conformity	CE
EN50131	Grade 3
Environmental class	II

EURO46 hybrid control panels

Integrated hybrid control panels with Enforcer two-way wireless technology



Partcode EURO46S V10 EURO46L V10

EURO kit contents

	Small	Large
Metal casing with tamper protection	Small	Large
PCB	✓	✓
Power supply	✓	✓
Keypad	✓	✓
Communication modem	✓	✓

Key features

	Small	Large
Independent areas	8	8
Wired inputs (NC/DEOL/3-EOL)	8 expandable to 46	8 expandable to 46
Two-way wireless inputs	0 expandable to 32	0 expandable to 32
Outputs on board	3 expandable to 50	3 expandable to 50
ATE outputs on board	0 expandable to 8 relay with ATE8R Module	0 expandable to 8 relay with ATE8R Module
Automation outputs	30	30
Two-way wireless keyfobs	32 (with a ZEM-32)	32 (with a ZEM-32)
User codes and prox tags	100	100
Guard codes	20	20
Two-way wireless sounders	2	2
Phone numbers for SMS notification	4	4
SMS remote control app compatibility	✗	✓
Reporting formats	SIA 3 IP, Contact ID IP, SIA 3, Contact ID	SIA 3 IP, Contact ID IP, SIA 3, Contact ID
Compatibility with HomeControl+ App	✓	✓

Technical specifications

	Small	Large
Internal power supply	1.5A	2A
Power supply	110-230 DC / 50-60 Hz	110-230 DC / 50-60 Hz
Current consumption	80mA	80mA
AUX output voltage	9 - 16 DC (12 DC normal)	9 - 16 DC (12 DC normal)
Programmable outputs	3A, Max 30V relay	3A, Max 30V relay
Siren and strobe output	500mA	500mA
Input resistors	1k at rest 2k in alarm <1k>2k in tamper	1k at rest 2k in alarm <1k>2k in tamper
Battery capacity	7Ah	7Ah - 17Ah
AUX fuse	800mA	800mA
Siren fuse	800mA	800mA

Other details

	Small	Large
Operating storage temperature	-10°C / +50°C -20°C / +60°C	-10°C / +50°C -20°C / +60°C
Dimensions	250 x 297 x 82mm	390 x 305 x 100mm
Weight	3.6 kg without battery	5.6 kg without battery
Warranty	2 years	2 years

Certifications

	Small	Large
Electrical conformity	CE	CE
EN50131	Grade 2	Grade 3
Environmental class	II	II

COMING SOON

Communication modems

Communication modems for the Enforcer and EURO panels



Partcode	DIGI-LAN	DIGI-GPRS	DIGI-GPRS+SIM	DIGI-WIFI	DIGI-PSTN/VOICE
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Compatibility

HomeControl+ App	✓	✓	✓	✓	✗
Enforcer V10	✓	✓	✓	✓	✓
EURO 46 V10	✓	✓	✓	✓	✓
EURO 280	✗	✗	✗	✗	✗

Key

Formats	Contact ID IP, SIA3 IP, supports uploading/downloading	Contact ID IP, SIA3 IP, SMS, supports uploading/downloading	Contact ID IP, SIA3 IP, SMS, supports uploading/downloading	Contact ID IP, SIA 3 IP, supports uploading/downloading	Contact ID IP, SIA3 IP, supports uploading/downloading
Voltage	+12VDC	+12VDC	+12VDC	+12VDC	+12VDC
Dimensions	109 x 56 x 14 mm	110 x 56 x 10 mm	110 x 56 x 10 mm	109 x 56 x 11 mm	110 x 56 x 10 mm
Voice dialler	✗	✗	✗	✗	✓
Roaming capabilities	✗	✓	✓	✗	✗
Warranty	2 years	2 years	2 years	2 years	2 years

Certifications

Electrical conformity	CE	CE	CE	CE	CE
ATS	SP5	SP5	SP5	SP5	SP2
Environmental class	II	II	II	II	II



Partcode	DIGI-GSM	DIGI-1200 (PSTN)	PSTN-MODEM	RS232-MODEM
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Compatibility

HomeControl+ App	✗	✗	✗	✗
ENF32UK-WE	✓	✓	✗	✗
EURO 46	✓	✓	✗	✗
EURO 280	✗	✗	✓	✓

Key

Formats	Contact ID, SMS	Contact ID	Contact ID, SIA, supports uploading/downloading	Chiron, WebWayOne SIA, supports uploading/downloading
Voltage	+12VDC	+12VDC	+12VDC	+12VDC
Dimensions	110 x 56 x 10 mm	110 x 56 x 10 mm	30 x 60 x 12 mm	30 x 60 x 12 mm
Roaming capabilities	✗	✗	✗	✗
Warranty	2 years	2 years	2 years	2 years

Certifications

Electrical conformity	CE	CE	CE	CE
ATS	SP2	SP2	SP2	
Environmental class	II	II	II	II



Add ARC connectivity to a HomeControl+ enabled system

The DigiAir Connected with Pyronix range provides connectivity directly from control panels to the monitoring station; all signal paths are fully encrypted and utilise the CSL managed network and Gemini servers.

Available from your local Arc in GPRS, WiFi & LAN versions.





Input and output expanders

Input and output expansion modules for the Enforcer and EURO



Partcode	EURO-ZEM8	EURO-ZEM8+	EURO-ZEM8+PSU
Type of module			
Wired input expander module	✓	✓	✓
Two-way wireless expander module	✗	✗	✗
Output expander module	✗	✗	✗
Key features			
Wired inputs (NC/DEOL/3-EOL)	8	8	8
Output support	4	4 Open Collector	4 Open Collector
Two-way wireless inputs	✗	✗	✗
Two-way wireless keyfobs	✗	✗	✗
Two-way wireless sirens	✗	✗	✗
Housing with tamper protection	Plastic	Plastic	Metal
Integrated power supply	✗	✗	2.5A
Power input	9-15 DC	9-15 DC	220-240 AC
Other details			
Operating storage temperature	-10°C to +50°C -20°C to +60°C	-10°C to +50°C -20°C to +60°C	-10°C to +50°C -20°C to +60°C
Weight	260g	260g	4.8kg (including battery)
Dimensions	173 x 125 x 32mm	173 x 125 x 32mm	225 x 150 x 30mm
Warranty	2 years	2 years	2 years
Certifications			
Electrical conformity	CE	CE	CE
EN50131	Grade 3	Grade 3	Grade 3
Environmental class	II	II	II



Partcode	EURO-ZEM32-WE	EURO-OEM8R8T	EURO-OEM16R-PSU
Type of module			
Wired input expander module	×	×	×
Two-way wireless expander module	✓	×	×
Output expander module	×	✓	✓
Key features			
Wired inputs (NC/DEOL/3-EOL)	×	×	×
Output support	×	8 Open Collector / 8 Relays	16 Relays
Two-way wireless inputs	32	×	×
Two-way wireless keyfobs	32	×	×
Two-way wireless sirens	2	×	×
Housing with tamper protection	Plastic	Plastic	Metal
Integrated power supply	×	×	2.5A
Power input	9 - 15 DC	9 - 15 DC	220-240 AC
Other details			
Operating storage temperature	-10°C to +50°C -20°C to +60°C	-10°C to +50°C -20°C to +60°C	-10°C to +50°C -20°C to +60°C
Weight	240g	240g	4.8kg (including battery)
Dimensions	173 x 125 x 32mm	173 x 125 x 32mm	225 x 150 x 30mm
Warranty	2 years	2 years	2 years
Certifications			
Electrical conformity	CE	CE	CE
EN50131	Grade 2	Grade 3	Grade 3
Environmental class	II	II	II

Wired arming devices

Wired arming devices for the Enforcer and EURO control panels



Partcode	EURO-064	EURO LCDPZ/SCHROME	EURO-PROXI	EURO-PROXE
Features				
LCD Keypad	ABS plastic	Satin chrome finish	x	x
Surface mounted	✓	✓	✓	✓
Flush mount back box available	x	✓	x	x
Interchangeable keypad casings	x	✓	x	x
Integrated prox reader	✓	✓	✓	✓
Internal-use prox reader	✓	✓	✓	x
IP65 rated external-use prox reader	x	x	x	✓
On-board inputs	2	2	2	1
On-board outputs	1	1	1	1
Electrical specifications				
Power supply	12VDC (9-15v DC)	12VDC (9-15v DC)	12VDC (9-15v DC)	12VDC (9-15v DC)
Current consumption	50mA	50mA	30mA	22mA
Inputs	2EOL, 3EOL	2EOL, 3EOL	2EOL	2EOL
Outputs	100mA	100mA	150mA	150mA
Other details				
Operating storage temperature	-10°C/+40°C -20°C/+60°C	-10°C/+40°C -20°C/+60°C	-10°C/+40°C -20°C/+60°C	-20°C/+60°C -20°C/+60°C
Weight	258g	258g	130g	220g
Dimensions	114 x 99 x 34mm	160 x 126 x 30mm	97 x 40 x 23mm	85 x 85 x 21mm
Warranty	2 years	2 years	2 years	2 years
Certifications				
Electrical conformity	CE	CE	CE	CE
EN50131	Grade 3	Grade 3	Grade 3	Grade 3
Environmental class	II	II	II	IV

Accessories

	EUR-PTAG	Proximity tag for the Enforcer and EURO (5pcs)		LCD-CASING/WHITE	Satin chrome casing for the EURO LCDPZ/SCHROME
	EUR-ETAG	5x Proximity tags for the Enforcer and EURO		LCD-CASING/CHROME	Shiny chrome casing for the EURO LCDPZ/SCHROME
	RS232	Cable used for local programming via the RS232 output		LCD-CASING/BCHROME	Brushed chrome casing for the EURO LCDPZ/SCHROME
	AERLEAD1-10	Adapter to the antenna MMCX-JW a SMA/K 20cm. (10pcs)		LCD-CASING/BLACK	Black casing for the EURO LCDPZ/SCHROME
	LCD-FLUSHBOX	Flushmount adapter for the EURO-LCDP/W		LCD-CASING/GOLD	Gold casing for the EURO LCDPZ/SCHROME

Wireless arming devices



Wireless arming devices for the Enforcer and EURO control panels



Partcode **KEYFOB-WE**

Key features

4 button with 8 button functions	✓
System status display	✓
Set one or all areas per button	✓
Unset one or all areas per button	✓
Hold-up function	✓
Activate output automation	✓
Lock and unlock buttons	✓

Electrical specifications

Transmission frequency	868MHz, FM transceiver
Transmission method	128bit encrypted radio protocol
Range in open space	300m
3v lithium battery included	BATT-CR/KF1
Minimum battery life (years)	1

Weight and dimensions

Weight	28g
Dimensions	72 x 30 x 20mm
Warranty	2 years

Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II



Partcode **LEDRKP/WHITE-WE**

Technical characteristics

Plastic keypad with LED icon display	✓
Integrated prox reader	✓
Entry and exit tones	✓
Backlit keys	✓
Dedicated keys for automation output control	4
3V / 5A Lithium battery included	BATT-ES1
Signal Strength indicators (SSI)	✓

Certifications and warranty

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II
Self-certified	Self-certified
Warranty	2 years

Accessories



BATT-CR/KF1 3V Battery for KF4-WE MK II



EUR-PTAG 5x Proximity tags for the Enforcer and EURO



BATT-ES1 2x Lithium batteries. Used with Deltabell-WE, XD wireless detectors and Keypad, 3v, 5Ah



EUR-ETAG 5x Proximity tags for the Enforcer and EURO

UR2-WE universal receiver



Connect any control panel with the Enforcer two-way wireless devices



Compatible with
ANY BRAND[†]
of alarm control panel
([†]with set and unset outputs)

The UR2-WE allows installers to use Enforcer two-way wireless peripherals on any brand of alarm control panel with set and unset outputs.

This wireless expander gives the ability to add up to 10 wireless sensors or 6 wireless keyfobs per channel, giving the install all the great benefits of the multi-award winning Enforcer two-way wireless range.



UR2-WE

Partcode

Key features

Alarm relay output for each wireless channel	2
Wireless channels	2*
Two-way wireless detectors	10 per channel
Two-way wireless keyfobs	6 per channel
Wireless peripherals dedicated fault relay	1
System SET / UNSET input	1
Alarm indication (7 segment display)	1

Electrical specifications

Power supply	9 - 15 DC
Current consumption	Min 80mA / max 400mA
Relay x 3	3A

Other details

Operating storage temperature	-10 / +50 -40 / +70
Dimensions	173 x 125 x 32mm
Warranty	2 years

Certifications

Electrical conformity	CE
Environmental class	II

*Each channel can either support keyfobs or detectors not a mixture.



V2 speech diallers

Universal speech diallers



V2GSM



V2TEL

Partcode	V2GSM	V2TEL
Features		
Dialler	GSM	PSTN
Key features		
Inputs	6 expandable to 14	6
Outputs	4 expandable to 52	4
Voice messages	Up to 14	6
SMS messages	Up to 14	x
Telephone numbers	9	9
Duplex	Full	Half
Integrated microphone and speaker	✓	✓
Integrated keypad	✓	✓
Remote control via a telephone	✓	✓
Automatic phone number recognition (CLIP)	✓	x
Can be used as a telephone	✓	✓
Date and time stamp	✓	x
Event log	256	30
Anti-jamming feature	✓	x
Operating temperature	-20°C to +40°C	-20°C to +40°C
Dimensions	147 x 100 x 28mm	147 x 100 x 28mm
Power supply	10-14DC	10-14DC
Current consumption	300mA Max (40mA at rest)	300mA Max (40mA at rest)
Warranty	2 years	2 years
Certifications		
Electrical conformity	CE	CE



WIRELESS PERIPHERALS

Enforcer two-way wireless peripherals

Enforcer two-way wireless technology is designed to ensure high security protection for users, with simple installation and maintenance for the installer.

Each safety and security device is both a transmitter and a receiver. This provides real-time status readings at both the control panel and the wireless device.

The range includes a large number of peripherals that utilise our highly secure Enforcer two-way wireless technology. This allows installers to create the perfect security solution for any residential or commercial building.



Enforcer two-way wireless safety sensors



WL-WE



SMOKE-WE



CO-WE

Partcode

Sensor types

	WL-WE	SMOKE-WE	CO-WE
Water leak sensor with 1m cable included	✓	✗	✗
Smoke detector	✗	✓	✗
Carbon monoxide detector	✗	✗	✓

Key features

	WL-WE	SMOKE-WE	CO-WE
Button sensor test	✗	✓	✓
LED sensor test	✗	✓	✓
Front and rear tamper protection	✓	✓	✓
3V lithium battery included	1 x CR2	1x CR123A	✗
1.5V alkaline battery included	✗	✗	3x AA
Signal Strength Indicators (SSI)	✓	✓	✓
Minimum battery life (years)	2	2	1
Warranty	2 years	2 years	2 years

Certifications

	WL-WE	SMOKE-WE	CO-WE
Electrical conformity	CE	CE	CE
EN50131	n/a	n/a	n/a
Environmental class	II	n/a	n/a
Self-certified	n/a	n/a	n/a
Specialist certification	✗	EN 14604:2005+AC:2008	EN50291-1:2010

Accessories



BATT-CR2

Replacement 3V lithium battery CR2 for the WL-WE



BATT-CR123A

Replacement 3V lithium battery CR123A for SMOKE-WE

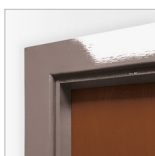
Enforcer two-way wireless magnetic contacts and shock sensors



Partcode	MC1MINI-WE	MC1/SHOCK-WE	MC2-WE
Inputs			
Magnetic contact plug and play	✓	✗	✗
Shock sensor and magnetic contact / universal transmitter with 2 wireless channels	✗	✓	✗
Magnetic contact and one channel universal transmitter	✗	✗	✓
Magnetic contact and Roller shutter support / 2 channel universal transmitter	✗	✗	✗
Key features			
Terminal for N/C input and reed switch	✗	✓	✓
Tamper input	✗	✓	✓
Front and rear tamper protection	✓	✓	✓
Signal Strength Indicators (SSI)	✓	✓	✓
Magnet included	✓	✓	✓
Electrical specifications			
Transmission frequency	868MHz, FM transceiver		
Transmission method	128bit encrypted radio protocol		
Range in open space	1600m		
3V lithium battery included	1 x CR123A	1 x CR123A	1 x CR2
Minimum battery life (years)	2	2	2
Warranty	2 years	2 years	2 years
Certifications			
Electrical conformity	CE	CE	CE
EN50131	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II

Accessories

	BATT-CR123A	Replacement 3V lithium battery CR123A for MC1/SHOCK-WE and MC1MINI-WE		BATT-CR2	Replacement 3V lithium battery CR2 for the transmitters
	MC1MINI-SPACER	White spacer* kit for the MC1MINI-WE		MC1MINI-SPACERBR	Brown spacer* kit for the MC1MINI-WE
	MC1S/SPACER	White spacer* kit for the MC1/SHOCK-WE		MC1S/SPACERBR	Brown spacer* kit for the MC1/SHOCKBR-WE
	MC-BROWN-KIT	Brown plastics kit for MC1-WE, MC2-WE, RS1-WE, RS2-WE.		MC1MINIBR-KIT	Brown 10x fronts and 10x backs for MC1MINI-WE
	MC1/SHOCKBR-KIT	Brown 10x fronts and 10x backs for MC1/SHOCK-WE		MAGNETBR-KIT	Brown 20x magnet plastics kit



* The spacer allows for the magnetic contact to be installed on an uneven or misaligned door or window frame.

Medical alert & hold up devices

The wireless HUD/MED-WE that conforms to BS8243 (2010). Signal for help by sounding the alarm, it's that simple.

With a wireless range of up to 300m in open space, press the centre of both buttons down for one second and the alarm is activated. Furthermore, if the system is connected to an Alarm Receiving Centre (ARC) they will be alerted immediately.



Partcode	HUD/MED-WE
Technical specifications	
Battery type	CR1/3N
Battery voltage	3V
Button configuration	Pressed and held for 2 seconds
Button action	Hold up (PA) or Medical (depending on the programming)
Transmission frequency	868MHz
Transmission method	Fully encrypted rolling code
Code combinations	4294967295
Indication	LEDs (Red, Green, Amber)
Hold-up function	✓
Temperature	Storage: -20°C to +50°C Certified: -10°C to +40°C Nominal: -10°C to +50°C
Dimensions	72 x 30 x 20mm (H x W x D)
Threshold	2.1V +/-5%
Compatible with	Enforcer PCX (using the wireless Expander) EURO (using the wireless Expander)

Included

WALL BRACKET	
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BELT CLIP	
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WIRED AND WIRELESS DETECTORS

Grade 2 and 3
internal & external detectors

An extensive range of internal detectors utilising the latest Pyronix patented technologies for residential, commercial and light industrial use.

The KX range of Passive Infrared Detectors (PIRs) are ideal for residential installs, delivering detection up to 30m, animal immunity up to 25kg, auto sensitivity and more. There is also the compact pet immune Colt which has an unobtrusive style or the Break-Glass detector which monitors your windows. Any combination of these can cover lounges, kitchens, bedrooms, extended corridors, bedroom areas and more.

For light industrial and commercial use there is our KX Dual Technology range. As both sensors need to be triggered to sound the alarm, these are perfect for harsher environments, such as mechanics workshops, aisles or storage facilities. The range also includes fantastic anti-blocking and anti-mask variant for Grade 3 installs.



KX Internal dual technology detectors

Dual technology

Dual technology improves the reliability of the detectors as, to get an alarm condition, both PIR and Microwave technologies have to be activated simultaneously, thus increasing stability in hostile environments.

Blue Wave Technology

Safeguards against false alarms and improving immunity to interference through advanced signal processing and 3D optics.

Digital temperature compensation

Digital temperature compensation digitally adjusts the sensitivity of the detectors, maintaining the detectors specified range when the background temperature is near to body temperature.

Anti-cloaking technology

AND/OR anti-cloaking technology gives priority to the microwave sensor under certain conditions, such as an intruder wearing clothing with infrared cloaking properties, maintaining performance.*

Independent Floating Thresholds

IFT technology (Independent Floating Thresholds) ensures that the alarm thresholds are always kept within predetermined limits, eliminating electrical environmental disturbances.

Automatic sensitivity

The detector is able to self-adapt to changing environmental conditions, ensuring stability and intruder catch performance is maintained.

Anti-masking (anti-spray)

Adjustable anti-masking technology offers unique protection against attempts to mask the PIR or microwave and detects masking with a variety of materials, such as, cardboard, duct tape, spray, lacquer or aluminium foil.*

DEOL resistors

On board DEOL resistors reduce installation time. The range of values covers the majority of systems.*

Different microwave frequencies

Avoids interference (cross-talk) that can occur when two detectors with microwave modules in them are installed within close proximity of each other. This optimises detector stability.

Anti-blocking technology

Any attempt to block the field of view is detected. This allows the detector to send a signal to the panel to inform it that the detection area is being blocked, and must be removed before the system is set.*

*Wired dual technology KX detectors only

KX Wireless internal dual technology detectors



Partcode	KX12DT-WE	KX10DTP-WE
Coverage	Volumetric	Volumetric
Maximum range	12m	10m
Optimal installation height	1.8-2.4m	1.8-2.4m
Creep-zone protection	✓	✗
Key features		
Adjustable anti-masking (anti-spray)	✗	✗
Anti blocking technology	✗	✗
Animal immune	✗	Up to 24kg
Blue Wave Technology	✓	✓
Automatic sensitivity	✓	✓
Digital temperature compensation	✓	✓
Anti-cloaking technology	✗	✗
Separate indication: microwave, PIR and alarm	✓	✓
3 microwave frequencies to avoid interference	✓	✓
DEOL resistors on board	✗	✗
Tamper protection included	✓	✓
Signal Strength Indicators (SSI)	✓	✓
Wireless electrical specifications		
Transmission frequency	868MHz, FM transceiver	
Transmission method	128bit encrypted radio protocol	
Range in open space	1600m	
3V lithium battery included	2x CR123A	
Minimum battery life (years)	2	
Electrical specifications		
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	25 V/m	
Microwave frequency	10.515, 10.525, 10.535GHz	
Alarm response	-	
Detection speed	0.3 - 3m/s	
Direct light filter	>6500 Lux	
Optics	Sealed	
Geometric lens configuration	3D	
Other details		
Operating storage temperature	-10°C / +40°C -20°C / +50°C	
Weight	135g	
Dimensions	117x69x59mm	
Warranty	2 years	
Accessories		
Wall/ceiling brackets included (KXBRACKET-C, KXBRACKET-W)	Sold separately	Sold separately
Long range and curtain lenses included (KX30-LR e KX18-LC)	Sold separately	Sold separately
Bracket back tamper kit included	✗	✗
Certification		
Electrical conformity	CE	CE
EN50131	Grade 2	Grade 2
Environmental class	II	II

KX Wired internal dual technology detectors

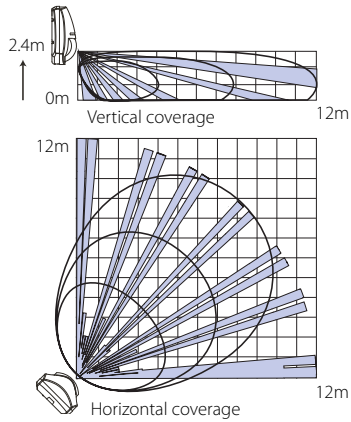


Partcode	KX15DTAM	KX15DT	KX10DTP
Coverage	Volumetric, Curtain, Long rage	Volumetric	Volumetric
Maximum range	15m/18m/30m	15m	10m
Optimal installation height	1.8-2.4m	1.8-2.4m	1.8-2.4m
Creep-zone protection	✓	✓	✗
Key features			
Adjustable anti-masking (anti-spray)	✓	✗	✗
Anti blocking technology	✓	✗	✗
Animal immune	✗	✗	Up to 24kg
Blue Wave Technology	✓	✓	✓
Automatic sensitivity	✓	✓	✓
Digital temperature compensation	✓	✓	✓
Anti-cloaking technology	Anti-Blocking	And/or	And/or
Separate indication: microwave, PIR and alarm	✓	✓	✓
3 microwave frequencies to avoid interference	✓	✓	✓
DEOL resistors on board	✓	✓	✓
Tamper protection included	✓	✓	✓
Signal Strength Indicators (SSI)	n/a	n/a	n/a
Wired			
Power supply	9-16 DC (12DC nominal)		
Current consumption at rest	23mA		
Current consumption in alarm	30mA		
Relay type	Solid state		
Output relay	60DC, 50mA protection		
Tamper terminal	12DC max, 50mA max		
Electrical specifications			
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	25 V/m		
Microwave frequency	10.515, 10.525, 10.535GHz		
Alarm response	2.5 second		
Detection speed	0.3 - 3m/s		
Direct light filter	6500 Lux		
Optics	Sealed		
Geometric lens configuration	3D		
Other details			
Operating storage temperature	-30°C / 50°C -40°C / 70°C		
Weight	125g		
Dimensions	117 x 69 x 55 mm		
Warranty	5 years		
Accessories			
Wall/ceiling brackets included (KXBRACKET-C, KXBRACKET-W)	✓	✓	✓
Long range and curtain lenses included (KX30-LR e KX18-LC)	✓	✗	✗
Bracket back tamper kit included	✓	✗	✗
Certification			
Electrical conformity	CE	CE	CE
EN50131	Grade 3	Grade 2	Grade 2
Environmental class	II	II	II

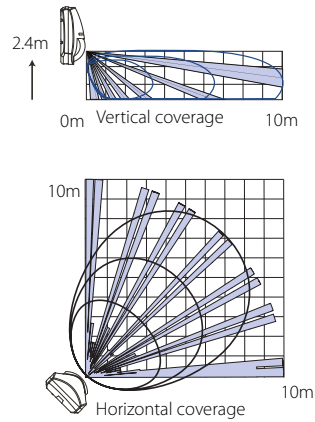
KX internal dual technology detectors

Lens diagrams

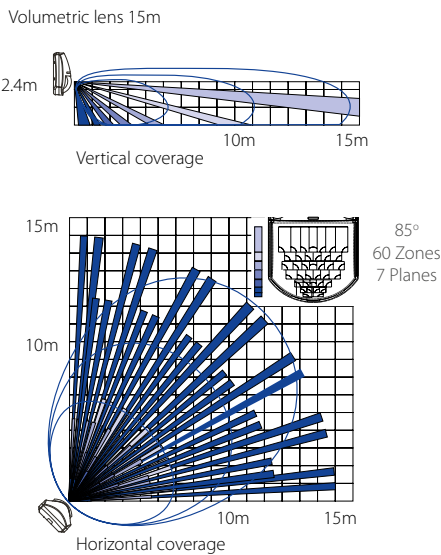
KX12DT-WE



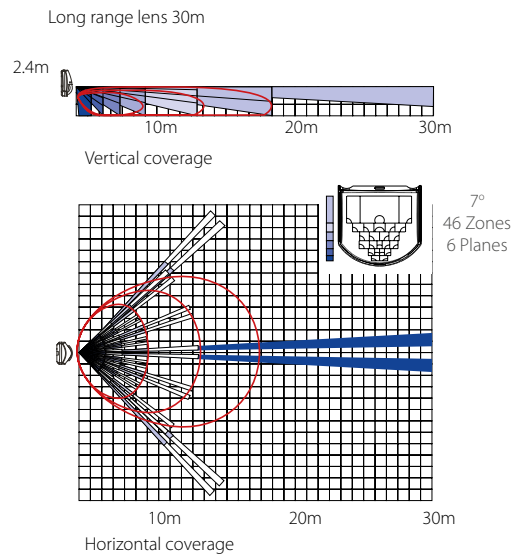
KX10DTP-WE & KX10DTP



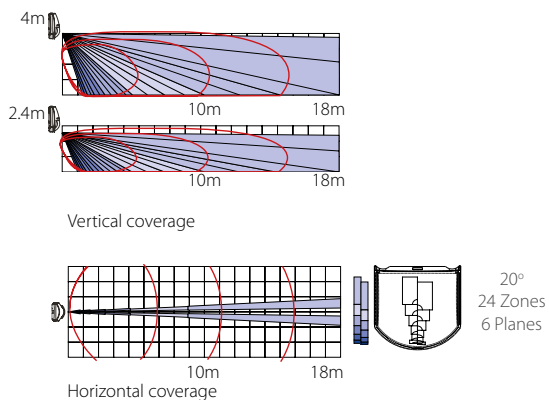
KX15DT - KX15DTAM



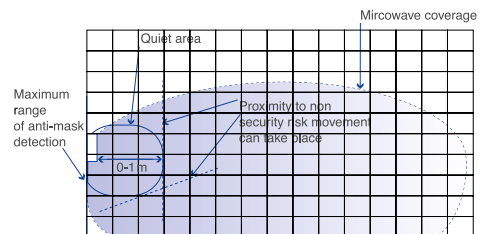
KX15DTAM long range









KX15DTAM



Anti-Masking



Accessories

	KXBRACKET-C	Ceiling bracket for the KX range (10pcs)		KX15-VL	Replacement volumetric lens for KX 15m (3pcs)
	KXBRACKET-W	Wall bracket for the KX range (10pcs)		KX-TAMPER	Tamper kit for the KX brackets (10pcs)
	KX30-LR	Replacement long range lens for KX 30m (3pcs)		BATT-CR123A	Replacement 3V lithium battery CR123A



KX internal PIR range detectors

Blue Wave Technology

Safeguards against false alarms and improving immunity to interference through advanced signal processing and 3D optics.

Digital temperature compensation

Digital temperature compensation digitally adjusts the sensitivity of the detectors, maintaining the detectors specified range when the background temperature is near to body temperature.

Optical 3D system

Allows for better focussing of areas to improve the detection of moving targets and ensure more precise signals can be received from the PIR. The 3D system also allows protects of the area below the detector (creep zone).

Independent Floating Thresholds

IFT technology (Independent Floating Thresholds) ensures that the alarm thresholds are always kept within predetermined limits, eliminating electrical environmental disturbances.

Automatic sensitivity

The detector is able to self-adapt to changing environmental conditions, ensuring stability and intruder catch performance is maintained.

DEOL resistors

On board DEOL resistors reduce installation time. The range of values covers the majority of systems.*

3mm ABS plastics

Detector housings are consistent throughout the range of KX detectors and ensure great resistance to environmental factors to maintain consistent performance over long periods of time.

Ceiling mount technology

Combines a quad interlocking sensor and the 360 degree optical system, to provide large volumetric coverage at all installation heights up to 4m.

*Wired KX detectors only

Enforcer two-way wireless KX wired PIR detectors

Two-way wireless movement sensors



Partcode	KX25LR-WE	KX15DC-WE	KX10DP-WE	KX12DQ-WE
Lens characteristics				
Volumetric lens 85 degree coverage, 7 planes, 60 zones	x	x	✓	✓
Pet immunity coverage, 6 planes, 56 zones	x	x	✓	x
Curtain lens, 20 degree coverage, 6 planes, 46 zones	x	✓	x	x
Long range lens, 20 degree coverage, 6 planes, 24 zones	✓	x	x	x
Maximum range	25m	15m	10m	12m
Optimum installation height	1.8-2.4m	Max 4m	1.8-2.4m	1.8-2.4m
Creep-zone protection	✓	✓	x	✓
Key features				
Animal immunity	x	x	25kg	x
Blue Wave technology	✓	✓	✓	✓
Automatic sensitivity	✓	✓	✓	✓
Automatic temperature compensation	✓	✓	✓	✓
Front and rear tamper protection included	✓	✓	✓	✓
Signal Strength Indicators (SSI)	✓	✓	✓	✓
Electrical specifications				
Transmission frequency	868MHz, FM transceiver			
Transmission method	128bit encrypted radio protocol			
Range in open space	1600m			
3V lithium battery included	1x CR123A	1x CR123A	1x CR123A	1x CR123A
Minimum battery life (years)	2	2	2	2
Other details				
Operating storage temperature	-10°C /+40°C -20°C /+50°C			
Weight	125g			
Dimensions	117 x 69 x 50mm			
Warranty	2 years			
Certifications				
Electrical conformity	CE	CE	CE	CE
EN50131	Grade 2	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II	II

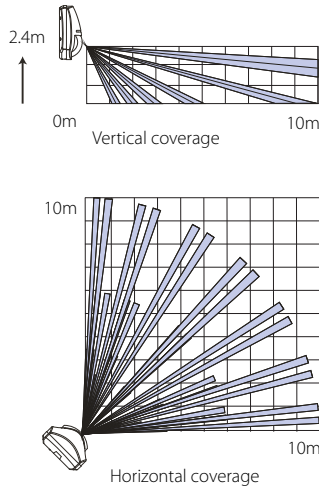
Accessories

	KXBRACKET-C	Ceiling bracket for the KX range (10pcs)		KX30-LR	Replacement long range lens for KX 30m (3pcs)
	KXBRACKET-W	Wall bracket for the KX range (10pcs)		KX15-VL	Replacement volumetric lens for KX 15m (3pcs)
	KX18-LC	Replacement curtain lens for KX 18m (3pcs)		BATT-CR123A	Replacement 3V lithium battery CR123A

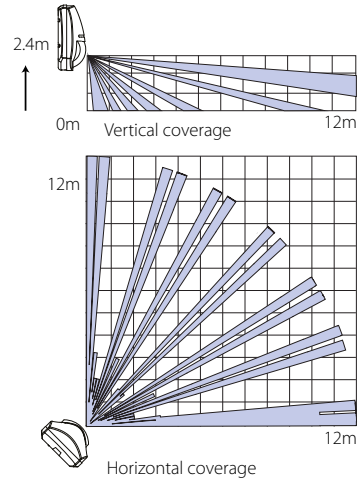
Enforcer two-way wireless KX internal PIR detectors

Lens diagrams

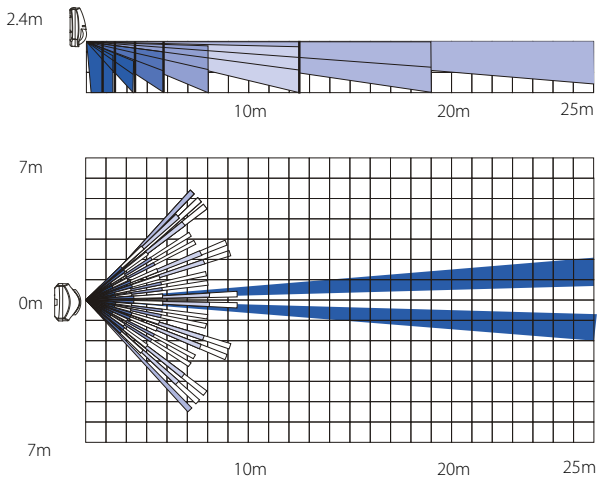
KX10DP-WE



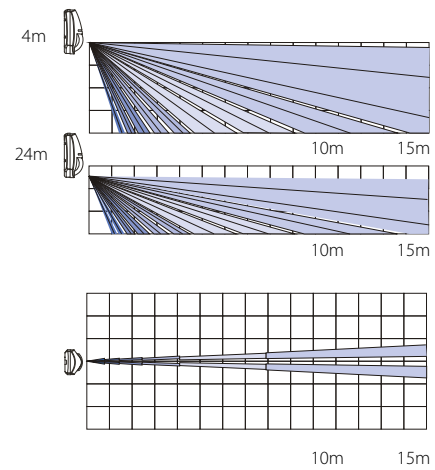
KX12DQ-WE



KX25LR-WE



KX15DC-WE



KX internal PIR detectors

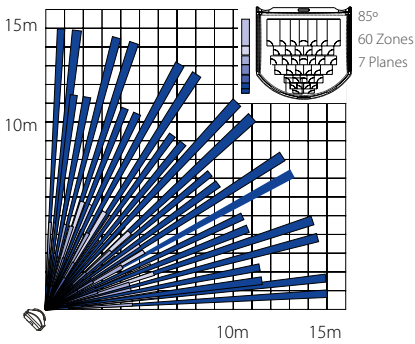
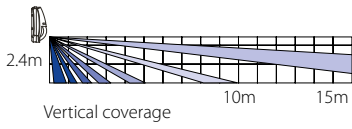


Partcode	KX15ED	KX15DQ	KX10DP	KX18DC
Optical and range features				
Volumetric coverage: 85 degree, 7 planes, 60 zones	✓	✓	✗	✗
Pet detection: 85 degree, 6 planes, 56 zones	✗	✗	✓	✗
Curtain coverage: 20 degree, 6 planes, 46 zones	✗	✗	✗	✓
Long range coverage: 20 degree, 6 planes, 24 zones	✗	✗	✗	✓
Maximum range	15m	15m	10m	18m / 30m LR
Optimal installation height	1,8-2,4m	1,8-2,4m	1,8-2,4m	Max 4m / 1,8-2,4m
Creep-zone protection	✓	✓	✗	✓
Key features				
Animal immune	✗	✗	24kg	✗
Blue Wave Technology	✓	✓	✓	✓
Automatic sensitivity	✓	✓	✓	✓
Digital temperature compensation	✓	✓	✓	✓
Optical quad	✗	✓	✗	✗
DEOL resistors on board	✓	✓	✓	✓
Tamper protection included	✓	✓	✓	✓
Electrical specifications				
Power supply	9-16 DC (12DC nominal)			
Current consumption at rest	11mA			
Current consumption in alarm	13mA			
Relay type	Solid state			
Outputs relay	60DC, 50mA protection			
Tamper terminal	12DC max, 50mA max			
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	10 V/m			
Alarm relay open time	2.5 seconds			
Detection speed	0.3 - 3m/s			
Direct light filter	6500 Lux			
Optics	Sealed optics			
Geometric lens configuration	3D			
Other details				
Operating storage temperature	-30°C -50°C -40°C - 70°C			
Weight	125g			
Dimensions	117 x 69 x 55 mm			
Warranty	5 years			
Accessories				
Ceiling bracket included, KXBRACKET-C	✓	✓	✓	✓
Wall bracket included, KXBRACKET-W	✓	✓	✓	✓
Additional long range lens included, KX30-LR	✗	✗	✗	✓
Certification and warranty				
Electrical conformity	CE	CE	CE	CE
EN50131	Grade 2	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II	II

KX internal PIR detectors

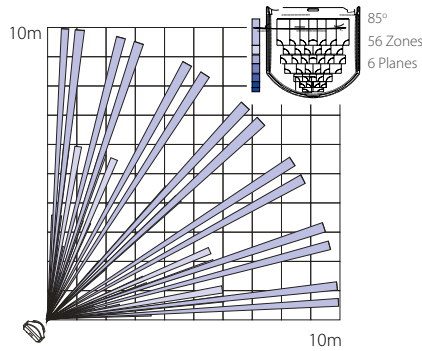
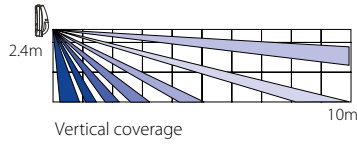
Lens diagrams

KX15DQ



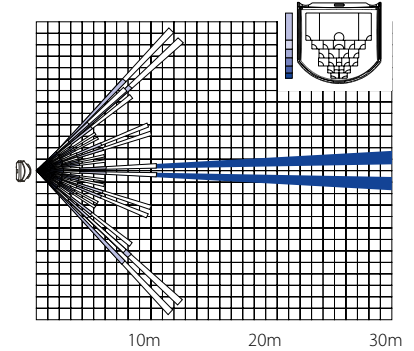
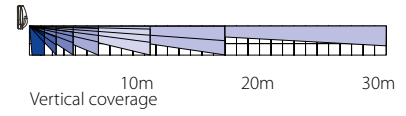
Lens: KX15VL

KX10DP



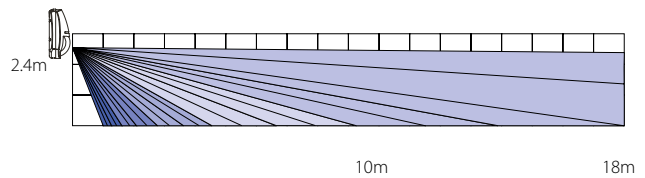
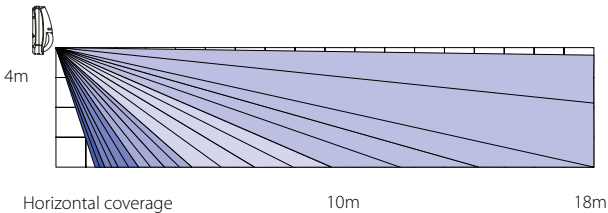
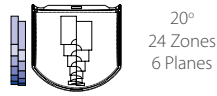
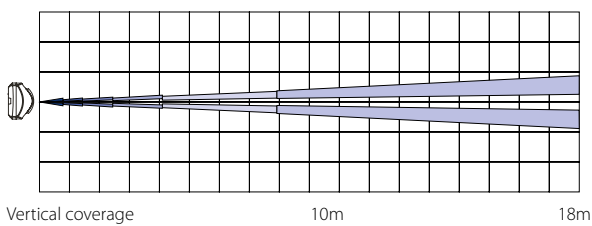
Lens: KX15VL

KX18DC Long Range



Lens: KX30LR

KX18DC (Vertical curtain)



Accessories



KXBRACKET-C

Ceiling bracket for the KX range (10pcs)



KX30-LR

Replacement long range lens for KX 30m (3pcs)



KXBRACKET-W

Wall bracket for the KX range (10pcs)



KX15-VL

Replacement volumetric lens for KX 15m (3pcs)



KX18-LC

Replacement curtain lens for KX 18m (3pcs)



KX-TAMPER

Tamper kit for the KX brackets (10pcs)

TMD Tri-anti masking confirmed detector



Partcode

TMD15

Optical and range features

Dual technology lens volumetric coverage: 90 degree, 30 zone and 3 planes	✓
PIR lens volumetric coverage: 69 degree, 24 zone and 3 planes	✓
Combined non overlapping detector	✓
Maximum range	15m
Optimal installation height	1.8-2.4m

Key features

Dual element pyro-electric sensor	✓
Digital temperature compensation	✓
Microwave frequencies to avoid detection	✓
Adjustable sensitivity	✓
Adjustable anti-masking	✓
Tamper protection	✓
Separate LED indication	✓

Electrical features

Operating voltage	9 - 16VDC
Quiescent current consumption	15mA at 12V
Relay outputs	3x SELV limits, 60Vdc, 50mA (42.4Vac peak)
Tamper switch	12V 50mA
Frequency range	10.579GHz, 10.587GHz, 10.595GHz

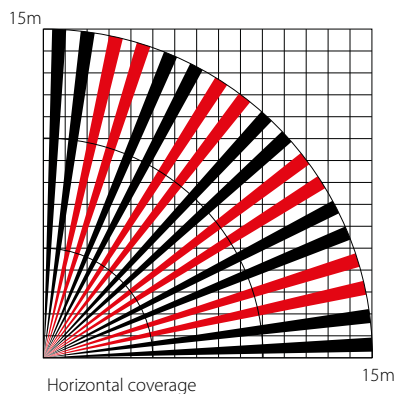
Other details

Operating storage temperature	-30°C to 70°C -40°C to 80°C
Weight	206g
Dimensions	175 x 70 x 40mm
Warranty	5 years

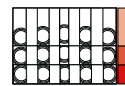
Certifications

Electrical conformity	CE
EN50131	Grade 3
Environmental class	II

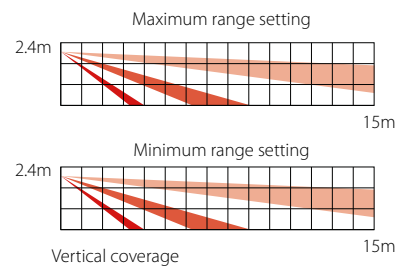
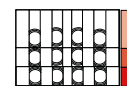
Lens diagrams



Dual Tech Lens
Volumetric 90°
30 zone
3 planes



Dual Tech Lens
Volumetric 69°
24 zone
3 planes





MEQ Blue Wired PIR detector



Partcode

MEQ BLUE

Optical and range features

Volumetric coverage: 90 degree, 108 zone and 3 planes	✓
Maximum range	12m
Optimal installation height	1.8-2.4m

Key features

Dual element pyro-electric sensor	✓
Adjustable sensitivity	✓
Tamper protection	✓

Electrical features

Operating voltage	9 - 16 VDC
Quiescent current consumption	15mA at 12V
Relay outputs	SELV limits, 60Vdc, 50mA (42.4Vac peak)
Tamper switch	12V 50mA

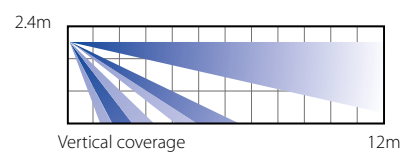
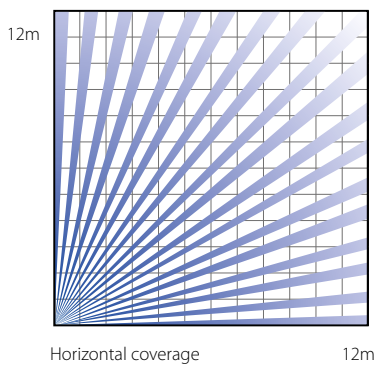
Other details

Operating storage temperature	-30°C to 70°C -40°C to 80°C
Weight	80g
Dimensions	88 x 60 x 42mm
Warranty	5 years

Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II

Lens diagrams



Octopus DQ Wired ceiling mount PIR



Partcode

OCTOPUSDQ

Optical and range features

Volumetric coverage: 360 degree, 156 zone, 3 planes	✓
Maximum range	12m
Optimal installation height	2,4-4m
Ceiling mount PIR	✓

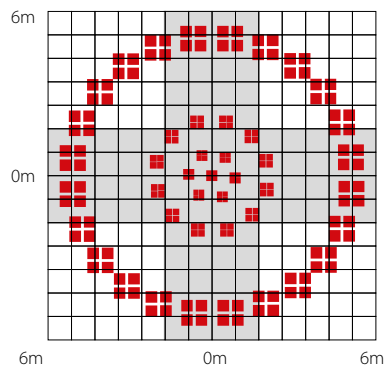
Key features

Quad-interlocking element pyroelectric sensor	✓
Independent Floating Threshold (IFT) technology	✓
Adjustable sensitivity	✓
Automatic temperature compensation	✓
Power supply	9-16DC (12DC nominal)
Relay type	Solid state
Outputs relay	60DC, 50mA protection
Tamper terminal	12DC max, 50mA max
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	10 V/m
Alarm response	2.5 seconds
Detection speed	0.3 - 3m/s
Geometric lens configuration	3D
Warranty	5 years

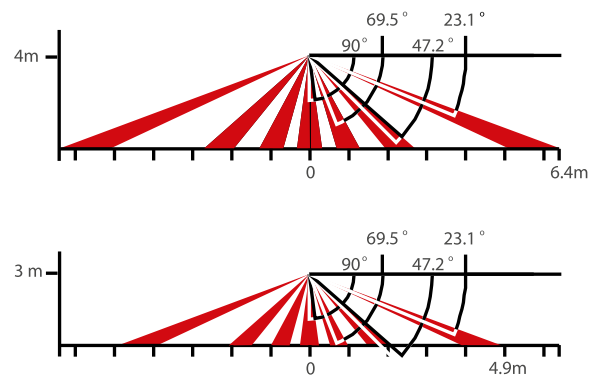
Certification

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II

Lens diagrams



Vertical coverage



Horizontal coverage

Breakglass detector



Partcode

BG16DF

Key features

Designed for most types of glass	✓
Coverage diameter	6m
Angle of coverage	360°
Digital technology	✓
Dual confirmation detection - first impact	✓
Detects the frequency of glass flexing	✓
Detects the frequency of glass breaking	✓
Installation Test Mode	✓
Option to Latch Alarm Relay	✓

Electrical specifications

Power	9-16DC (12V nominal)
Current consumption at rest	30mA (a 13.8V)
Current consumption in alarm	28mA (a 13.8V)
Outputs relay	60DC, 50mA protection
Tamper terminal	12V max, 50mA max
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	10 V/m
Glass type	Float, piano, reinforced, laminated, leaded, double glazed
Glass thickness	2.4mm to 6.4mm
Glass dimensions	0.3m x 0.3m to 3m x 3m
Alarm duration	2.5 seconds
Detection speed	0.2 - 3m/s
Installation height	2.4-8m

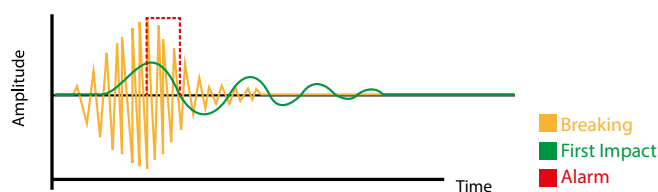
Other details

Operating storage temperature	-10 - 50 -20 - 70
Weight	100g
Dimensions	90 x 90 x 30mm
Warranty	2 years

Certifications

Electrical conformity	CE
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Combination of both frequencies (Alarm)



Breakglass tester

Partcode

BG-TESTER

Key features

Reproduces the frequency of first impact	✓
Reproduces the frequency of glass flexing	✓
Reproduces the frequency of glass breaking	✓
Warranty	2 years

Certifications

Electrical conformity	CE
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External detector technology

External high mount detector

High mount detectors are designed to be installed at 2.4m. The optics are designed to give optimum volumetric coverage of the protected area, using 78 zones, 5 planes and 85 degree coverage.

Triple technology detection

Helping to reduce false alarms by using a tri-signal detection logic, in which the alarm is only generated when the two PIR and microwave sensors are all activated in a given period of time.

Automatic sensitivity

The detector is able to self-adapt to changing environmental conditions, ensuring stability and intruder catch performance is maintained.

Digital temperature compensation

Digitally adjusts the sensitivity of the detectors, maintaining the specified range when the background temperature is near to body temperature.

Independent Floating Thresholds

IFT technology (Independent Floating Thresholds) ensures that the alarm thresholds are always kept within predetermined limits, eliminating electrical environmental disturbances.

Anti-blocking technology

Ensures that any attempt to block the field of view is detected. This allows the detector to send a signal to the panel, informing it that the detection area is being blocked.

DEOL resistors

On board DEOL resistors reduce installation time. The range of values covers the majority of systems.

Anti-masking (anti-spray)

Adjustable anti-masking technology offers unique protection against attempts to mask the PIR or microwave and detects masking with a variety of materials, such as, cardboard, duct tape, spray, lacquer or aluminium foil.

Different microwave frequencies

Avoids interference (cross-talk) that can occur when two detectors with microwave modules in them are installed within close proximity of each other. This optimises detector stability.

Weatherproof technologies

Ensuring the detector is not affected by adverse weather conditions. These technologies employ the use of polycarbonate housing, sealed optics, humidity protection, as well as a heavy duty ultraviolet filter.

Vegetation sway elimination

Allowing the detector to distinguish between regular movement of trees and plants with the movements of an intruder to ensure maximum false alarm protection.

Wired external detectors

External tri-technology detectors



Partcode

XDH10TT-AM

Optical and range features

Mounting height	XD High Mount
Optimal installation height	2.4m
Adjustable anti-masking (anti-spray) technology	✓
Volumetric coverage	✓
Curtain coverage with fixed mask	✗
Maximum range	10m

Key features

Anti-masking (anti-spray)	✓
Anti-blocking technology	✓
Animal immune	Up to 10kg
Triple detection logic: 2 x infrared + 1 x microwave	✓
Automatic sensitivity	✓
Independent Floating Threshold (IFT) technology	✓
Digital temperature compensation	✓
Separate indication: microwave, infrared, alarm	✓
3 microwave frequencies to avoid interference	✓
Integrated walk test buzzer	✓
DEOL resistors on board	✓
Tamper protection included	✓

Electrical specifications

Relay output	3x SELV limit; 60DC 50mA (43.4AC at peak)
Internal tamper	12DC 50mA front and rear
Current consumption	23mA at rest/ 30mA in alarm
Relay	Alarm NC, Tamper, Mask/Fault, Alarm NO
Power	9-16DC, 13.8DC - 13.8DC nominal
RFI immunity from modulating wave (AM) and pulse modulated (PM) 80-2700MHz	25 V/m
RFI immunity from continuous wave (CW) 80-2700MHz	75 V/m
Microwave frequency	9.87, 9.90, 9.91 GHz
Direct light filter	>6500 Lux
Optics	Sealed optics
Geometric lens configuration	2D
Protection	IP55
Detection speed	0.25 - 3 m/s

Other details

Operating storage temperature	-30/+50 -40/+70
Weight	300g
Dimensions	118 x 77 x 84mm
Warranty	2 years

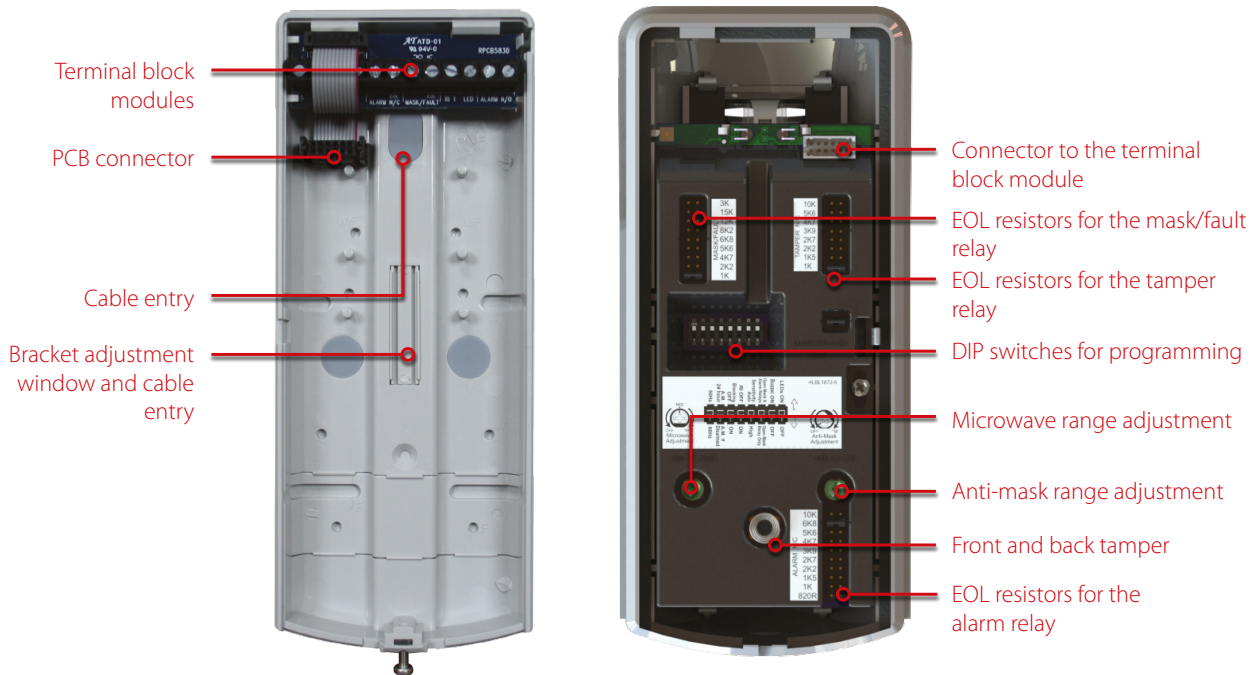
Accessories

2 adjustable masking lenses included	✓
2 fixed masking grids to create curtain protection	✓

Certifications

Electrical conformity	CE
EN50131	Grade 3
Environmental class	IV

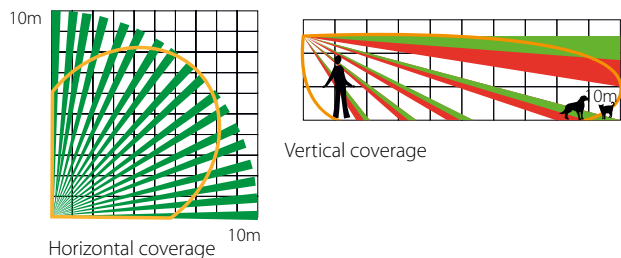
XD coverage pattern and features



XDH detectors / H - High mount installation - 2.4m

The optics of the XDH10TT-AM detector are specifically designed for maximum protection to a height of 2.4m installation: 78 zones, 5 planes, and the 90 degree coverage provide complete volumetric coverage of the protected area.

XDH10TT-AM Lens diagrams with the XD-LENS5



Accessories



XD WALL BRACKET

Adjustable wall bracket +/- 45 degrees with anti-tamper protection. This allows for better volumetric coverage.



XD-LENS 5

Volumetric lens for the XDH. Installation 2.4m, 85 Degrees, 10m detection distance. (3pcs)



XD ADAPTER

45 degree adapter for use with the XD-WALLBRACKET. This allows the XD detectors to be positioned at 90 degrees to the wall for protection of walls.





SOUNDERS

Wired and two-way wireless sounders

Provide the perfect visual and audible deterrent.

Easy to install, weather resistant and tamper proof, our external sounders come with a choice of coloured bases and customisable lids, as well as backlit and strobe options to deliver a highly effective aesthetically superior look day or night.

While our internal sounder delivers an extremely effective two tone frequency siren in the event of an alarm.



External sounder technology

The protection of a property starts with the exterior of the building and our backlit external sounders deliver the perfect visual deterrent to immediately discourage any potential intruder.

Weather resistant sounders with a low power, high performance piezo delivers a loud, audible deterrent with tamper protection.

Our pioneering industry first backlit external sirens provide a supreme visual deterrent.

Low power strobe

LED technology provides a visual indication when the alarm is activated.

Polycarbonate plastics

Offer a weather resistant housing with an elegant design.

Tamper protection

Ensuring the highest levels of security against accidental or malicious tampering with the system.

Low power Piezo

Low power piezo with high performance decibels provide a loud audible alarm, to ensure alarm activations are heard and acted upon.

Auto-levelling mechanism

Rotating guide holes and a built in spirit level facilitate the simple and easy positioning of the sounder during installation.

Engineer hold-off

The Sounder will disable when in 'Engineers Menu', which allows the installer to work without the fear of unwanted activations.

Customised sounders

A range of different coloured covers and bases can be chosen from, as well as screen printing corporate branding and details onto the cover, to provide year-round brand awareness.

Deltabell-WE

Being wireless, they can be fitted to the exterior of the property with no need to run wires to the control panel making it quicker and easier to fit with less mess.

Enforcer two-way wireless technology is designed to ensure high security protection for users, and simple and easy installation and maintenance for installers, utilising award winning features such as Signal Strength Indicator (SSI) and anti jamming.

128 bit encryption provides effective protection of signals being transmitted by the system and prevents code grabbing. This gives the wireless BUS a very high level of protection, ensuring peace of mind for the installer and users alike.

The high sensitivity receiver allows a wireless signal range of up to 1.6km in open space, eliminating the need for repeaters and reducing installation costs.

Deltabell sounder



Partcode	DELTABELL-WE	DELTABELL-E	DELTABELL-PLUS	DELTABELL-X	DELTABELL-X + DELTAX-LIGHT
Key features					
Sound output	98dB	104dB	104dB	109dB	109dB
Number of piezos	1	1	1	2	2
Strobe LED	✓	✓	✓	✓	✓
Engineer hold off	✓	✓	✓	✓	✓
Comfort LED	✓	✓	✓	✓	✓
Illuminated cover	x	x	✓	✓	x
Premium illuminated cover	x	x	x	x	✓
Front and rear tamper protection	✓	✓	✓	✓	✓
Power supply	3V / 5A lithium battery	9-16V	9-16V	9-16V	9-16V
Signal Strength Indicators (SSI)	✓	n/a	n/a	n/a	n/a
Minimum battery life (years)	2				
Warranty	2 years	2 years	2 years	2 years	2 years

Certifications					
Electrical conformity	CE	CE	CE	CE	CE
EN50131	Grade 2	Grade 2&3	Grade 2&3	Grade 2&3	Grade 2&3
Environmental class	IV	IV	IV	IV	IV



Base



Module



Cover



Finished Deltabell

	DELTA-BDB	Deltabell base, blue		DELTA-CB	Deltabell cover, blue	DELTA/MOD-E	Wired Deltabell module with single piezo
	DELTA-BDR	Deltabell base, red		DELTA-CR	Deltabell cover, red	DELTA/MOD-PLUS	Wired Deltabell module with single piezo & illumination
	DELTA-BDW	Deltabell base, white		DELTA-CW	Deltabell cover, white	DELTA/MOD-WE	Wireless Deltabell-WE module including the battery pack
	DELTA-BDBK	Deltabell base, black		DELTA-CBK	Deltabell cover, black	DELTABELL X MODULE	Wired Deltabell X module with twin piezo sounder
	DELTA-BDA	Deltabell base, amber		DELTA-CY	Deltabell cover, yellow	DELTAX-LIGHT	Backlight module for use with Deltabell X
	DELTA-BDG	Deltabell base, green		DELTA-CC	Deltabell cover, chrome		

Accessories



BATT-ES1

2x Lithium batteries. Used with Deltabell-WE, XD wireless detectors and Keypad, 3v, 5Ah

Invincibell sounder



Partcode	Invincibell E	Invincibell Plus	Invincibell X	Invincibell X + INCIVI-LIGHT
Strobe and sound features				
Loudness	104dB	104dB	109dB	109dB
Number of Piezos	1	1	2	2
Strobe LED	✓	✓	✓	✓
Comfort LED	✓	✓	✓	✓
Back-lit	✗	✓	✓	✓
Premium backlit cover	✗	✗	✗	✓
Engineer hold off	✗	✓	✓	✓
Rechargeable battery included	✓	✓	✓	✓
Tamper protection included	✓	✓	✓	✓
Certifications and Warranty				
Electrical conformity	CE	CE	CE	CE
EN50131	Grade 2	Grade 3	Grade3	Grade3
Environmental class	IV	IV	IV	IV
Warranty	2 years	2 years	2 years	2 years

Certifications

Electrical conformity	CE	CE	CE	CE
EN50131	Grade 2	Grade 2&3	Grade 2&3	Grade 2&3
Environmental class	IV	IV	IV	IV

	INVINC-BDB	Invincibell base, blue		INVINC-CB	Invincibell cover, blue
	INVINC-BDR	Invincibell base, red		INVINC-CR	Invincibell cover, red
	INVINC-BDW	Invincibell base, white		INVINC-CW	Invincibell cover, white
	INVINC-BD-BK	Invincibell base, black		INVINC-CBK	Invincibell cover, black
	INVINC-BDA	Invincibell base, amber		INVINC-CY	Invincibell cover, yellow
	INVINC-BDG	Invincibell base, green			



Twin Alert wired internal sounder

The Twin Alert combines both a speaker and sounder in a single unit to eliminate the need for two separate products situated in different locations.

Audible notifications

The speaker element will mimic keypad tones and the sounds associated with the arming and disarming of a system enabling users to hear confirmation that it has armed correctly upon leaving the property. The volume of the tones can be adjusted to suit individual requirements.

Internal Sounder

The internal sounder will only activate on alarm and will override the pre-set speaker volume level to provide a siren output of 100 decibels at 1 metre. This high volume internal siren acts as a deterrent to intruders and will also alert any inhabitants.



Partcode

FP10800


Strobe and sound features

Loudness	100dB @1m
Number of piezos	1
Engineer hold off	x
Tamper protection included	✓
For internal use	✓
Warranty	2 years


Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II



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