



2020

EU ALARM PRODUCT CATALOGUE

Hikvision Alarm Solutions Delivering a safer world

HIKVISION
海康威视

Combining Hikvision's market-leading position and world class capabilities with over 30 years of Pyronix intrusion expertise, our range of alarm solutions provide professional installers with innovative and reliable security systems for every requirement.

We fuse intrusion and video like never before, offering Cloud connected intruder alarm systems with cutting edge technology to redefine security.

Our platforms generate extensive business opportunities for installers, whilst providing unparalleled user experiences.

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We reserve the right to change, amend, and remove products and product features without prior notice.
Not all products may be suitable for use in your region - this is dependent on local regulations.



SOLUTIONS

A SECURITY SYSTEM FOR EVERY APPLICATION



Perimeter Protection

One of the most effective ways to prevent intruders is to detect them before they can attempt to break in. By installing the XD range of outdoor detectors, along with shock sensors and magnetic contacts, the property is secured while a Hikvision outdoor IP camera, such as a mini dome camera or turret camera, enables users to monitor and verify any outdoor activity via Hik-Connect.



Alarm Monitoring

The Enforcer, PCX and AX control panels can signal to Central Monitoring Stations (CMS) for professionally monitored 24/7 security. This can deliver the heightened level of security and peace of mind that some installations require.



App Control

PyronixCloud infrastructure enables both Enforcer and PCX 78 systems to be controlled and monitored remotely by the user with the easy-to-use Hik-Connect smart device application. Users can arm, disarm, receive voice push notifications, control wired-in third party automation devices and more. Furthermore, by adding any of Hikvision's IP cameras, users are able to integrate their video and intruder systems like never before.



Two-way Wireless Technology

Multi-award-winning Pyronix 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.



Video Alarm Verification

Using Hik-Connect and any Hikvision video device, users can access and watch live and recorded video wherever they are.



Wireless and Hybrid

With wireless and hybrid systems, you have the ultimate installation flexibility; adding both wired and wireless peripherals to the system. So, where wiring is impractical and invasive or where life-safety is required, wireless can be added, while common design styling across the range ensures installations remain consistent. Whatever your project needs, there's a perfect solution.



Scalable Residential and Commercial

With the AXHub supporting up to 32 wireless zones and the Enforcer supporting up to 64, either system can be tailored using the entire range of two-way wireless peripherals, for any residential or small commercial application.



VERTICAL MARKETS

FLEXIBLE SECURITY SOLUTIONS FOR EVERY NEED

Our security systems use a range of specifically developed and patented technologies to offer a wireless or hybrid system for every application.

So, whether covering a large-scale government building or a one-bedroom flat, installers and security specifiers alike can tailor the ideal system, to deliver the reliability, security and support required for every market.

RESIDENTIAL

From apartments to luxury houses, we deliver the ideal solution. Using the extensive Hikvision range of security and safety devices, our wireless and hybrid systems can be tailored to protect any property and its occupants.

CONSTRUCTION

New-build properties, both residential and commercial, require versatile products and services to meet the varied security needs of users. Our extensive range makes us a trusted supplier to the construction sector, giving confidence that whatever the security challenge, we have the solution.

OFFICE

Our systems can provide maximum security and assurance for any office space. The extensive range of detectors can provide curtain and long range coverage, as well as ceiling mount options to cover desk spaces, with indoor dual technology detectors to protect environments with fluctuating conditions.

EDUCATION

The education sector poses many different challenges for intruder alarms, from perimeter protection, to fluctuating temperature and environmental conditions. With our range of hybrid solutions, universities, schools and campuses can be secured flexibly to ensure maximum protection for staff, students and property.

RETAIL

From small shops to large supermarkets, Pyronix hybrid systems are easy to install and use, delivering effective security protection that can be trusted. Indoor dual technology provide resolute security in fluctuating conditions. Meanwhile, ceiling mount detectors cover aisles, with hold up devices conveniently placed should staff require an immediate response.

PERIMETER PROTECTION

MORE FUNCTION, MORE SECURITY, EASY TO SET UP

EXPANDING YOUR BUSINESS POTENTIAL

For any security installation, the ability to detect a potential intrusion and alert the user, before any break-in can occur, is one of the best and most efficient methods of protection.

Our perimeter solutions add a new dimension to any system; growing and developing installer business potential, while ensuring users are provided with an even more interactive, robust and secure security solution.

Easy to set up, the system features the award-winning Enforcer control panel, outdoor XD detectors and outdoor Hikvision cameras, alongside PyronixCloud and Hik-Connect infrastructure, to expand the security offering to include secure perimeter protection, with video verification capabilities.

Providing more installation options, retrofit possibilities, greater functionality, awareness and security.



Detect

When an intruder crosses the perimeter of the property, the outdoor XD detector, programmed as a switcher zone, will detect this and immediately trigger the Enforcer control panel.



Communicate

Using a range of communication methods, the Enforcer recognises the switcher zone activation in armed or disarmed modes and, with event notifications enabled on the PyronixCloud, signals to the Hik-Connect smart device application.



Alert

No matter where they are, the user then receives voice push notification on their phone, alerting them of the activity with an audible "Perimeter Breached" message, alongside a text message informing them of where on the system the event is occurring.



Verify

Now aware of the activity, the user opens Hik-Connect to visually verify the event through connected Hikvision cameras and takes appropriate action on events.

Compatible with:



MANAGEMENT AND

USER SERVICES

SOFTWARE AND APPLICATIONS FOR

ENHANCED USABILITY

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PyronixCloud 2.0

ONLINE SYSTEM GATEWAY AND

RECURRING REVENUE PLATFORM

Business

The PyronixCloud 2.0 platform integrates security system management tools like never before to drive value and deliver real tangible benefits to installation and ARC businesses. Incorporating full panel programming from anywhere, security professionals like installers and integrators can quickly and easily manage their estates of systems, cutting down on costly exercises like call outs and fault finding.

Security

Security is at the heart of everything we do, which includes Cloud security. Our systems are hosted on secure AWS servers, using the latest encryption standards to ensure cyber threats are minimised.

Driving user value

PyronixCloud 2.0 delivers real value to users through greater control of the system over the air - meaning users can manage the parts of the system they need, when they need it; giving greater functionality and value. This also frees up time for the installer or integrator.

Supports:

MX 280







Hik-Connect

Security, remote control,
monitoring and video verification
in one app.

Hik-Connect

THE APP THAT BRINGS IT ALL TOGETHER

The Hik-Connect app gives users unprecedented access and visibility over their home and business systems, from anywhere. It enables them to arm, disarm and be push notified via their Android or iOS device when events occur.

Bringing together intrusion systems and video equipment, offering integration like never before, and presenting real value to users. Not only can users view and control their system remotely, but they can also receive push notifications to keep them informed of any activity. So, if there is an alarm activation, perimeter breach or even smoke detected, Hik-Connect will alert the user so that they can take appropriate action and remain in full control.

Hik-Connect is compatible with the Enforcer 64, PCX 78, MX 280 and AXHub range of control panels and is available on both iOS and Android.



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Compatible with:

AXHub

Enforcer

PCX

MX 280



iVMS-4200 CLIENT SOFTWARE

iVMS-4200 is a versatile security management software application for video, intrusion, intercom, and access control.

iVMS-4200

MAIN FEATURES

VIDEO

Live View

- Live view and instant playback
- Up to 64-camera multiview
- Configurable custom multiview window

Recording and Playback

- Local and remote playback (Up to 16-channels synchronous)
- Instant playback, normal playback, alarm zone playback, event playback
- Remote manual recording
- Searching and exporting the linked pictures of alarm logs
- Skipping the irrelevant video during VCA playback
- The video player is included in the installation directory to view the downloaded video file

Video Management

- Camera linkage and multiple linkage actions
- Device arming and alarm output control
- Alarm configuration for camera event, alarm zone, zone event and device exception
- Audible warning (custom sound if desired) and pop-up image when an alarm is triggered



MANAGEMENT SERVICES

INTRUSION

Control Panel

- Arm and disarm the alarm system
- Receive alarms and events in real-time and monitor via alarm management.
- Alarm linkage with added cameras, including pop-up live view, captured picture
- Adding zone as hot spot on E-map and viewing the video of the linked camera

Configuration and Setup

- Real-time alarm management for added security control panels
- Device and user management



GENERAL

Network

- Adding devices via Hik-Connect account and IP Server; batch importing devices
- Generating QR code for encoding devices to add to the mobile client
- Two-way audio and broadcast function

Backup

- Downloading video files to PC
- Log search and backup
- Importing and exporting the configuration file
- Auto backing up of database according to the configured schedule



Compatible with:



InSite

UP/DOWNLOAD (UDL) SOFTWARE

Enabling authorised remote access to Enforcer and PCX control panels, to monitor alarm events, diagnose potential faults and view the entire electrical status of the system. Installers can verify the functionality of their user's security systems for complete confidence and peace of mind.



Remote Programming And Diagnostics

Providing authorised users with remote access to the alarm control panel, with the ability to monitor alarm events, diagnose potential faults and view the entire electrical status of the system. If alterations are needed, there is no need to send an engineer; this can be done via InSite. This maintains a more efficient and cost-effective service; minimising site visits by performing maintenance and diagnostics from the office.



Remote And Local

With InSite UDL software, the installer can carry out both remote and local programming, maintenance and diagnostics. This is particularly useful on large-scale systems, whereby the installer can pinpoint any issues to maximise efficiency of the system, as well as limit the number of site visits.



Multiple Communication Paths

InSite UDL can connect to the Enforcer or PCX control panel locally via RS232 or via the PyronixCloud infrastructure using GPRS, LAN or Wi-Fi modems.



Automatic Remote Maintenance And Diagnostics

The installer can set up automatic maintenance and diagnostics to minimise site visits and maximise the efficiency of the system. InSite UDL delivers the ability to make alterations, access a full database of every client, as well as their complete system configuration, even set the system to perform one of the compulsory twice yearly system maintenance calls to be automatically performed, recorded and compared with initial readings and much more.



Real Time Wireless Diagnostics

In addition to the built-in wireless diagnostics in both detectors and panels, InSite can be used to position the sensors in the best location by using its real-time wireless diagnostics.

Compatible with:

Enforcer

PCX

ENIP SERVER

The Pyronix ENIP server software is used to create an IP receiver that acts as a gateway between the Pyronix IP control panel and the Central Monitoring Station (CMS) monitoring software.

```
#selection at the end -add back
mirror_ob.select= 1
modifier_ob.select=1
bpy.context.scene.objects.active = m
print("Selected" + str(modifier_ob))
#mirror_ob.select = 0
#Done = bpy.context.selected_objects
#The data structure is used to control
```

A key feature of this system is that it manages LAN and GPRS channels. Using the hardware suggested, the installer can connect up to 5,000 alarm control panels to a Pyronix ENIP server if the polling frequency is set to 5 minutes. For a simple start-up, the Pyronix ENIP server can be installed on a single basic PC/laptop.



ATS Security Level: The IP protocol is specified to ATS level SP5.

DIGI-GPRS and DIGI-LAN: SP5-ITSEC-01/15

Encryption: All communications are encrypted to the highest standard.

Registration module

This module is used to register the Pyronix IP control panels onto the Pyronix ENIP server.

The security initial key exchange is created either automatically or manually.

The polling frequency is programmable.

Automation server module

This module enables the connection of the Pyronix ENIP server to the software used by the CMS for managing alarms.

The IP server can send events to automation CMS management software over a serial port or LAN connection using Surgard, Ademco 685 and Silent Knight protocols.

Minimum hardware requirements:

- Intel or AMD 2GHz processor or greater
- 2GB RAM
- 100MB hard disk space

Minimum requirement for the operating system:

- Microsoft Windows 7 Professional/Ultimate 32 or 64-bit (ask Pyronix for 64-bit support version if required)
- An open internet connection
- Fixed IP address on internet connection
- Administrative rights on the PC
- Microsoft SQL Server Express 2008 or later (free download from Microsoft)

Certification

- IP Protocol: The European TS IP protocol approved by CENELEC is used for alarm transmission CLC/ TS 50131-9: 2013 Part 9.

Please note: We do not recommend Windows 8

Compatible with:



Video Verification

Enhance installation value.
Expand business potential.



DETECT.



NOTIFY.



VERIFY.

Compatible with:

Enforcer

PCX

MX 280

A modern living room with a white sofa, a black leather chair, and a large red circular graphic overlay. The room has light blue walls, two framed abstract paintings, and a large window with sheer curtains. A decorative brown branch hangs from the ceiling. The floor is made of light wood, and a white shag rug is partially visible.

IVaaS

(INTRUDER VERIFICATION AS A SERVICE)

This revolutionary service provides video verification (from any Hikvision or ONVIF IP camera on the premises) for users to quickly and efficiently confirm an alarm event on the system.

HIKVISION®

IVaaS FUNCTIONALITY

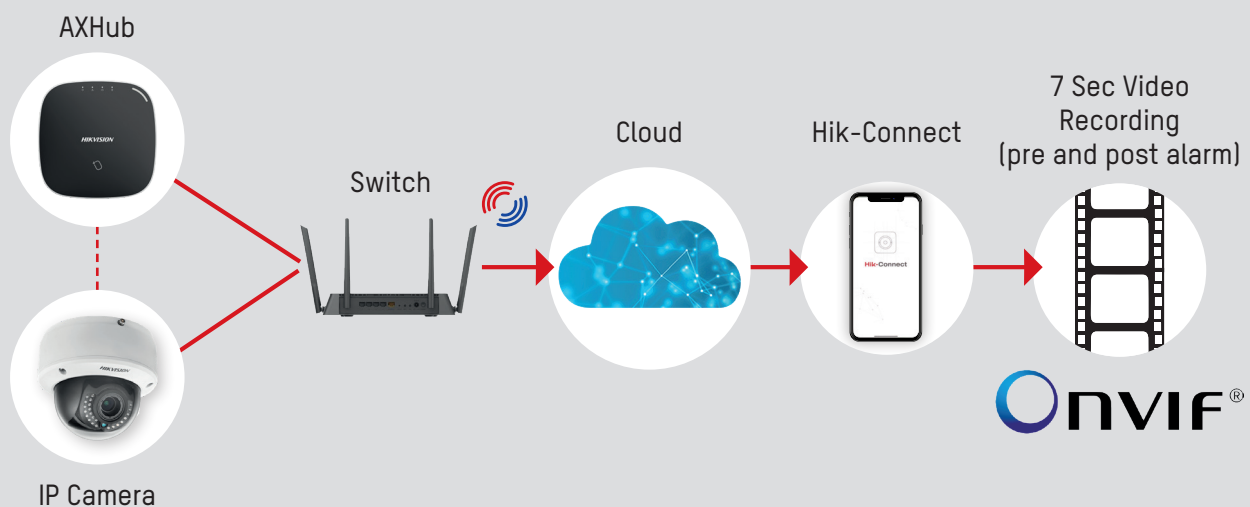
During the configuration of the panel, 2 cameras can be linked to the AXHub, which incorporates a rolling video buffer. Where other video verification methods rely on sending low-quality static images to confirm events, IVaaS utilises Cloud technology alongside the buffer to link previously separate video and intruder systems to one platform. This provides a 7 second clip in the event of an alarm; 5 seconds pre-alarm and 2 seconds post-alarm.

As a result, Hikvision cameras and the AXHub work seamlessly together to provide a recorded video clip or live HD video footage, directly through Hik-Connect, iVMS or instantly to monitoring stations. This allows active decisions to be made faster and more reliably in the event of an activation.

IVaaS also provides alarm and push notifications, remote arming and disarming, and viewing live and recorded camera feeds.

Recorded Push Message with Rolling Video Buffer

Connect up to 2 IP cameras directly to the AXHub



*Hikvision and ONVIF cameras can be linked directly with the AXHub.

Compatible with:



CONTROL PANELS

AWARD-WINNING SYSTEMS

AND PERIPHERALS

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AXHub TWO-WAY WIRELESS HUB

AXKeypad WIRELESS KEYPAD

AXTag WIRELESS PROXIMITY TAG READER

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V2 SPEECH DIALLERS

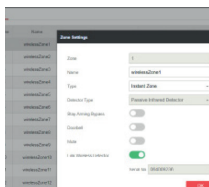


AX-RANGE

Intrusion with vision

AXHUB

WIRELESS ALARM SYSTEM



Web configuration

The AXHub has a built-in web server which enables the device to be configured through a web browser over the local IP network. This offers more flexibility and time-saving on-site, as setup can be done quickly and efficiently using a laptop or compatible smart device.



Easy setup and installation

Setting up the system could not be simpler, with an intuitive and easy-to-use interface. Connect to the panel directly via our web-browser or with iVMS-4200 on a laptop for on-site setup or, alternatively, program the system using the Hik-Connect app. Learning devices and sensors onto the system is also easy using the one-push-to-learn feature on all Hikvision wireless intrusion devices; save time and money.



Multiple communication paths

The variety of communication pathways available with the AXHub is unmatched. It offers LAN, Wi-Fi, GPRS and 3G/4G connections with on-board communication modules and connectors for a simpler and more cost-effective installation. With multiport IP communications, the AXHub can also communicate simultaneously with multiple devices, to ensure alarm messages are sent to all that need them.



Hik-Connect

The user app, Hik-Connect, brings together intrusion and video like never before. Linking detectors and sensors to cameras for HD video verification, as well as providing the user with the ability to monitor the system from anywhere; remotely checking system status, receiving alerts, arming, disarming, video monitoring and more, to remain informed and in complete control at all times.



Two-way wireless devices

With the AXHub, you can add up to 32 two-way wireless devices. This provides a system which is secure and flexible; allowing even large premises to be secured with a wide range of indoor and outdoor Hikvision peripherals.



CMS linkage

If CMS connectivity is required, the AXHub can communicate alarms and other messages in Contact ID format for a rapid and efficient response.





AXHUB

STYLISH DESIGN WITH COMPREHENSIVE CONNECTIVITY

The AXHub is the latest innovation in intruder alarm systems. Part of the Hikvision AX-Range and catering for residential and small commercial applications, the AXHub connects security peripherals such as motion detectors and displacement sensors, alongside safety devices like smoke and gas sensors to keep people and properties safe.

Simple to install and use, the AXHub provides voice prompts locally to assist during installation, as well as alert the user to any events. The AXHub is also compatible with Hik-Connect, in addition to a wide range of communication pathways and multiport IP communications via either the Cloud or CMS for added flexibility.

This Cloud connectivity allows easy and full control of the system from anywhere via Hik-Connect, to remotely arm, disarm and monitor the system. The Cloud also enables the use of revolutionary IVaaS (Intruder Verification as a Service), which allows users and monitoring stations to quickly and efficiently confirm system events through HD video verification.

AXHUB

WIRELESS ALARM HUB

The AX-Range wireless security hub supports 32 wireless zones. It can communicate alarm and other important notifications over LAN, Wi-Fi, GPRS and 3G/4G to smart device applications and client software. The panel supports voice-prompt setup for configuration and operation, making the installation process quick and easy.



KEY FEATURES

- ▶ Supports 32 wireless zones, 32 wireless outputs, 8 keyfobs and 2 sirens
- ▶ Two channel onboard video buffer (IVaaS)
- ▶ Voice guide and setup for configuration and operation
- ▶ Wi-Fi Smart-Configuration
- ▶ 4 partitions (areas)
- ▶ Long distance two-way wireless communication
- ▶ EHome-5 protocol for third party software integration (V1.3 software)
- ▶ EN50131 Security Grade 2 (V1.3 software)

AXHUB

Key specifications	
Wireless zones	32
Wireless outputs	32
Users / wireless keyfob	12 / 8
RF frequency	Two-way wireless 868MHz
Partition (areas)	4 (each with home/away arm mode)
Wireless siren	Max 2
Built-in proximity reader	-xxR Supports up to 12 MIFARE card
Status LEDs	5: 1 Orange (Fault), 2 Green (Power, Cloud connect), 1 Red (Alarm), 1 Blue (Arming)
Tamper protection	Front and rear tamper protection
Control via smart device	Hik-Connect (available on both iOS and Android)
Panel assist by	Voice prompt
Onboard video verification	Two channel (each channel 5s pre-event video and 2s after-event video)
Multi languages optional	English, French, Russian, Italian, Spanish, Portuguese (upgrade via Cloud)
Interface	
Ethernet	10/100 Mbps Self-Adaptive Ethernet
SIM card slot	1 (Models: -HG, -HS, -HGR, -HSR)
GPRS	Supports Report Push-Notification to CMS, Cloud; SMS; Audio notification via phone call (Models: -HG, -HGR)
3G/4G	Supports Report Push-Notification to CMS, Cloud; SMS; Audio notification via phone call (Model: -HS, -HSR)
Wi-Fi protocol standard encryption	802.11b/g/n 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Protocol	
Integration protocol	Supports HIK-SDK, management on iVMS-4200, Ehome-5 protocol for third party software integration
CMS communication	2 x CMS channels (primary and secondary), SIA-Contact ID protocol
Web server	For configuration via web browser
Mobile app	Supports Alarm Push-Notification, Arming/Disarming, Status Checking, Report Checking, Video Linkage
Onvif protocol	Supports third party IP camera integration
Technical specification	
Power supply power consumption	Included 5VDC, 10W <5.6W
Backup battery	1 Rechargeable li-ion Polymer battery, 3.8V, 4520mAh, 17.176Wh (Battery life up to 12 hours)
Other details	
Operating temperature conditions	-10°C to 55°C 10% to 90% (non-condensing)
Dimensions (W x H x D)	155 x 155 x 35mm
Colour	White or black

AXKEYPAD

WIRELESS ROUND KEYPAD

The DS-PKA-WLM wireless keypad connects to the security control panel for easy control and operation. It can also notify the user of an alarm event via an indicator and buzzer.



KEY FEATURES

- ▶ Capacitive touch keypad with LED backlight
- ▶ 868MHz two-way wireless communication
- ▶ AES-128 encryption
- ▶ Operation: arming, disarming, alarm clearing, etc.
- ▶ Built-in proximity reader

DS-PKA-WLM-868

Key specifications	
Capacitive touch keypad	10 keys: 0 to 9
Function key	6 function keys: fire alarm, away arming, stay arming, disarming, delete, and confirm
Radio frequency specifications	
Speed	4.8bps
Frequency	868MHz
Modulation	2GFSK
Distance	800m (open area)
Power	10dBm
Interface	
Tamper switch	1
Radio frequency module	Communicates with wireless control panel
Built-in cardreader	Supports standard IC card swiping
Buzzer	1
Protocol	
Protocol	HIK wireless protocol: Access to wireless control panel, two-way communication
Technical specification	
Power	3VDC power zone
Battery type	4 x AA batteries
Battery life span	3 years
Other details	
Operating temperature Conditions	-10°C to 55°C 10% to 90% (non-condensing)
Dimensions	132 x 23mm
Colour	White or black

AXTAG

WIRELESS PROXIMITY TAG

The DS-PTA-WL wireless proximity tag can be used with the wireless security control panel for arming and disarming. It can also notify the user of an alarm event via an indicator and buzzer.



KEY FEATURES

- ▶ 868MHz two-way wireless communication
- ▶ AES-128 encryption
- ▶ Operation: Stay arming (hold for 3s), away arming (hold <1s), Disarming (hold <1s)
- ▶ Front and rear panel tamper
- ▶ Protection level: IP65
- ▶ Outdoor installation

DS-PTA-WL-868

Key specifications	
Surface mounted	✓
Indicator	3 LEDs: red, green and orange
Buzzer	Prompt for card operation and tampering alarm
Tamper protection	Front and rear tamper protection
Radio frequency specifications	
Speed	4.8bps
Frequency	868MHz
Encryption	AES-128
Distance	800m (open area)
Power	10dBm
Interface	
Tamper switch	1
Buzzer	Prompt for card operation and tampering alarm
Technical specification	
Power	3VDC power zone
Battery type	4 x AA batteries
Battery life span	5 years
Other details	
Environmental protection grade	IP65
Operating temperature Conditions	-20°C to 60°C 10% to 90% (non-condensing)
Dimensions (W x H x D)	90.78 × 90.78 × 15.5mm
Colour	White or black

AXSIREN

WIRELESS OUTDOOR SIREN

The wireless outdoor siren connects to the security control panel for instant warning when an alarm is triggered.



KEY FEATURES

- ▶ 868MHz two-way wireless communication
- ▶ AES-128 encryption
- ▶ Adjustable volume: low, medium, and high
- ▶ Front and rear tamper-protection
- ▶ Protection level: IP65
- ▶ Outdoor installation
- ▶ Flashing blue LED for alarm indication

DS-PSG-W0-868

Key specifications	
Output volume	110dB
Indicator	Blue (on front panel), green and red (on PCB)
Adjustable volume	low, medium, and high
Tone types	3 kinds of alarm sounds: fire alarm, intrusion alarm, and panic alarm
Radio frequency specifications	
Method	Two-way communication
Frequency	868MHz
Modulation	2GFSK
Encryption	AES-128
Speed	4.8bps
Distance	800m (open area)
Power	10dBm
Interface	
Learn button	1
Tamper switch	Front and rear panel tamper protection
Indicator	Blue (on front panel), green and red (on PCB)
Buzzer/decibel level	1 110dB
Technical specification	
Power	4 x CR123A Batteries (default) or 12VDC
Current consumption	<20uA
Battery life span	5 years in stand-by status
Other details	
Environmental protection grade	IP65
Operating temperature Conditions	-25°C to 60°C 10% to 90% (non-condensing)
Dimensions (W x H x D)	220.5 × 205.2 × 46mm
Material	PC+ABS
Colour	White and blue

COMPATIBLE PERIPHERALS

TWO-WAY WIRELESS KITS AND ACCESSORIES

KITS				
	DS-PWA32-N6T AXHub with LAN/WIFI, GPRS, 1x PIR, 1x MC SAP Code: 302401170		DS-PWA32-NK AXHub with LAN/WIFI, 1x PIR, 1x MC, 1x Keyfob SAP Code: 302401250	
	DS-PWA32-NST AXHub with LAN/WIFI, 3/4G, 1x PIR, 1x MC SAP Code: 302401172		DS-PWA32-NKG AXHub with LAN/WIFI, GPRS, 1x PIR, 1x MC, 1x Keyfob SAP Code: 302401252	
			DS-PWA32-NKG1 AXHub with LAN/WIFI, GPRS, 1x PIR, 1x MC, 1x Keyfob SAP Code: 302401251	
ARMING DEVICES				
	DS-PKA-WLM-868 AXKeypad SAP Code: 302401449 (White) SAP Code: 302401411 (Black)	DS-PTA-WL-868 AXTag Reader SAP Code: 302401420 (White) SAP Code: 302401383 (Black)	DS-PKFE-5 Wireless Keyfob SAP Code: 302401218	DS-PTS-MF Tag SAP Code: 302401134
CONTACTS				
	DS-PD1-MC-WWS(H) Wireless Magnetic Contact SAP Code: 302401206		DS-PD1-MC-WWS Wireless Magnetic Contact SAP Code: 302401121	
EXPANDERS				
	DS-PM-W11 Wireless Alarm Zone Expander SAP Code: 302401243		DS-PM-W02 Wireless Alarm 2-Output Expander SAP Code: 302401257	DS-PM-W08 Wireless Alarm 8-Output Expander SAP Code: 302401258
PIR DETECTORS				
	DS-PD2-P10P-W Wireless 10m volumetric pet immune PIR SAP Code: 302401116		DS-PD2-P15C-W Wireless 15m curtain PIR detector SAP Code: 302401117	DS-PD2-P25-W Wireless 25m long range PIR detector SAP Code: 302401118
DUAL TECHNOLOGY DETECTORS				
	DS-PD2-D10P-W Wireless 10m dual technology pet PIR detector SAP Code: 302401120		DS-PD2-D12-W Wireless 12m dual technology PIR detector SAP Code: 302401119	
OUTDOOR DETECTORS				
	DS-PD2-T10P-WEL Low-mount wireless outdoor dual technology detector 12 meter range SAP Code: 302401122		DS-PD2-T10P-WEH High-mount wireless outdoor dual technology detector 10 meter range SAP Code: 302401123	
				OUTDOOR Siren DS-PSG-W0-868 AXSiren SAP Code: 302401391

For more detectors and sensors such as smoke and CO, see the compatibility icons located on the product pages in this catalogue.



ENFORCER

Versatile, trusted and proven,
the all-in-one wireless Enforcer 64
generates business for installers
and integrators and is EN50131
approved for any Grade 2 installation.

ENFORCER

SYSTEM ARCHITECTURE

Using the entire Pyronix range of peripherals, installers can tailor the ideal Enforcer system for any fully-wireless or hybrid installation requirements.

• • • • • Wireless

Award-winning Enforcer two-way wireless intruder alarm products provide installers with quick-to-fit, effective solutions that maximise installation efficiency and are easy for users to operate.



— Wired

Zone and output expansion modules can be added via the RS485 communication bus; delivering hybrid capabilities to add wired peripherals as required, such as keypads, proximity card readers and more.

ENFORCER 64

TWO-WAY WIRELESS CONTROL PANEL

The Enforcer 64 is a total wireless solution that can cater for any residential or small commercial application. It provides PyronixCloud and Hik-Connect capabilities and advantages right out of the box.



KEY FEATURES

- ▶ Up to 66 zones and 4 partitions (areas)
- ▶ Built-in proximity reader (arm/disarm with tag)
- ▶ Control from anywhere via Hik-Connect
- ▶ Voice push notifications
- ▶ New updated design
- ▶ Compatible with Dual Path communication module

ENF/AM064-10*

Specification features	
Onboard / maximum zones	32 / 66
Onboard / maximum outputs	3 / 38
Areas (independent or level)	4
Arm/disarm methods	App, pin, prox or keyfob
User codes	75
- Guard / duress	10
System logs	750
Programmable automation types	30
Wireless devices (requires ZEM32-WE)	
Onboard / maximum zones	32 / 64
Keyfobs	32
Arming stations	4
Sirens	2
Wired devices	
Onboard / maximum zones	2 / 34
Onboard / maximum outputs	3 / 34
Maximum keypads	4 (including onboard)
Maximum readers	4 (including onboard)
Communication	
Module compatibility	DIGI-WIFI, DIGI-LAN, DIGI-GPRS+SIM, DIGI-GPRS, DIGI-PSTN
App compatibility*	✓
Push notifications*	✓
Signalling protocols*	Contact ID IP, Contact ID, SIA IP, SIA3, Fast Format IP, Fast Format and SMS
Technical specification	
Onboard power supply Maximum rating	~15.0VDC 0.7A
Panel current consumption	222mA - 75mA
Battery capacity	2200mAh
Other details	
Operating temperature	-10°C to +40°C
Dimensions (W x H x D)	220 x 160 x 50mm
Weight	1025g inc. battery
Certifications	
EN50131	Grade 2
Environmental class	II
SAP Code	361301758

*App compatibility, push notifications and signalling protocol options are dependent on the communication module installed.

ENFORCER KITS

TWO-WAY WIRELESS KITS

Easy ordering - all the security professional needs in one pack; removing the need for individual product ordering to construct the equivalent system.



ENF/XX064-XX

Kit contents

Enforcer 64 two-way wireless control panel	1
Two-way wireless quad PIR detector, KX12DQ-WE	1
Two-way wireless magnetic contact, MC1MINI-WE	1
Two-way wireless keyfob, KEYFOB-WE, with 4 keys and 8 functions	1
Proximity tag, PCX-PTAG	1

Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	II

Language	Partcode	Sap Code
International English	ENF/AM064-12	361601768
Italian	ENF/IT064-11	361601769
Spanish	ENF/ES064-11	361601771
French	ENF/FR064-12	361601773



PCX

Flexible and expansive, hybrid PCX control panels can deliver 78 zone app-enabled systems for commercial installations incorporating video and intruder integration with ARC monitoring capabilities. EN50132 approved up to Grade 3.

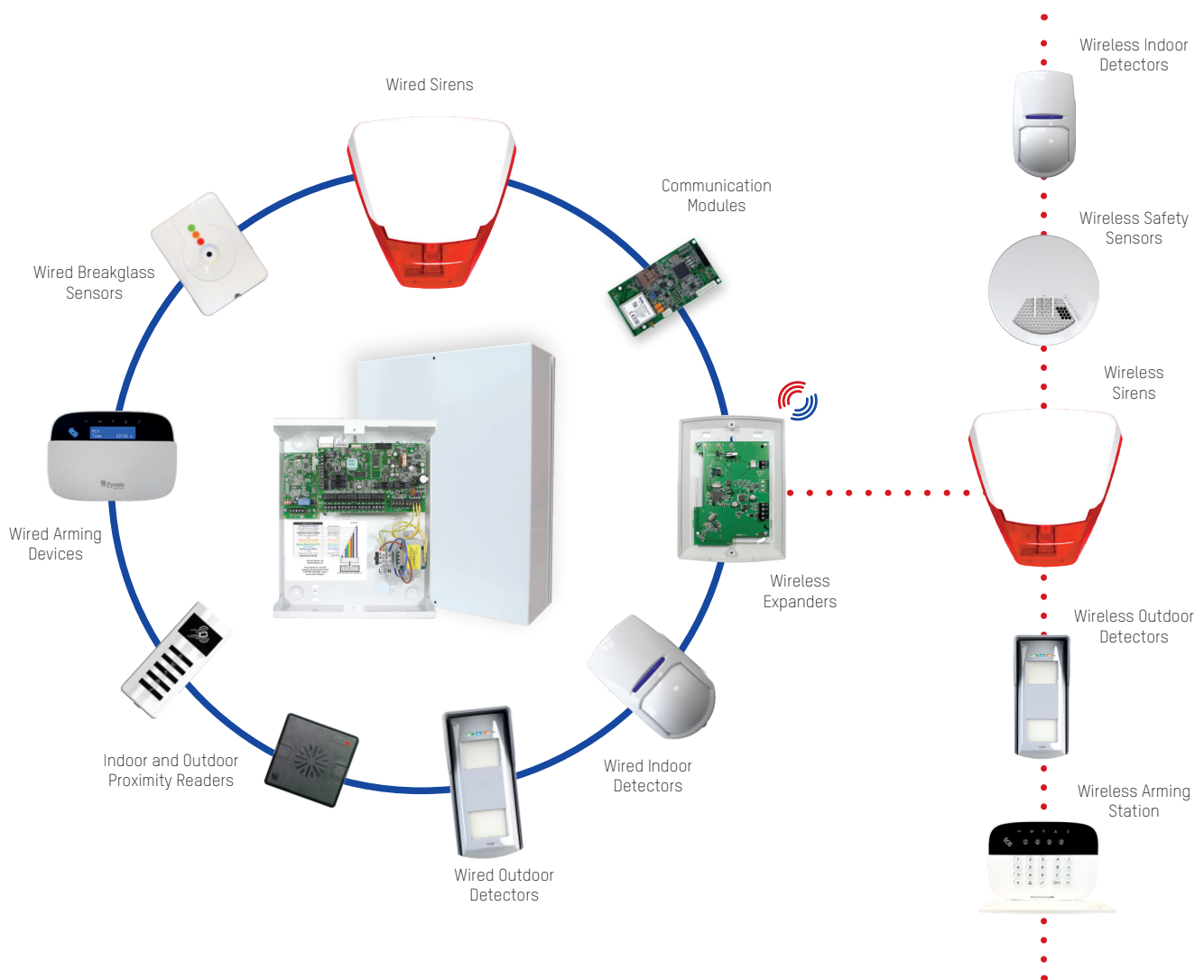
PCX

SYSTEM ARCHITECTURE

The PCX control panels are hybrid systems that can be expanded via the RS485 bus to add both wired or Pyronix Enforcer two-way wireless peripherals to match any installation requirement.

Wired

When installing a fully wired system it delivers a user-friendly, robust and reliable solution, fully compliant to Grade 3.



Wireless

Where running cabling can be too invasive or impractical, award-winning Pyronix Enforcer two-way wireless expansion provides installers with quick-to-fit, effective solutions that maximise installation efficiency and are easy for users to operate. This is ideal for listed or historical buildings and retrofits.

PCX 78S

FLEXIBLE HYBRID GRADE 2 CONTROL PANEL

The ideal hybrid solution for any residential or commercial property, the PCX 78S is user-friendly and upgradeable to meet any security or installation needs up to Grade 2.

KEY FEATURES

- ▶ Hybrid 78 zone control panel
- ▶ Fully menu-driven programming
- ▶ Remote maintenance with InSite UDL software
- ▶ Connect from anywhere with Hik-Connect



PCX/AM078-S0

Specification features	
Onboard / maximum zones	10 / 78
Onboard / maximum outputs	5 / 85
Areas (independent or level)	8
Set / unset methods	App pin, prox or keyfob
User codes	100
- Guard / duress	10
System logs	1250
Programmable automation types	30
Wireless devices (requires ZEM32-WE)	
Onboard / maximum zones	0 / 64
Keyfobs	32
Arming stations	4
Sirens	2
Wired devices	
Onboard / maximum zones	10 / 78
Onboard / maximum outputs	6 / 85
Maximum keypads	6
Maximum readers	5
Communication	
Module compatibility	DIGI-WIFI/XA, DIGI-LAN, DIGI-GPRS+SIM, DIGI-GPRS, DIGI-PSTN
App compatibility	✓
Push notifications	✓
Signalling protocols	Contact ID IP, Contact ID, SIA IP, SIA3, Fast Format IP, Fast Format and SMS
Technical specification	
Power supply onboard	-21.0VAC
- Maximum rating	1.5A
Panel current consumption	80mA
Battery capacity	2 - 7Ah
Other details	
Operating temperature	-10°C to +40°C
Dimensions (W x H x D)	297 x 250 x 82mm
Weight	4.8kg inc. battery
Certifications	
EN50131	Grade 2
Environmental class	II

Language	Partcode	Sap Code
International English	PCX/AM078-S0	361601737
Italian	PCS/IT078-S0	361601756
Spanish	PCX/ES078-S0	361601752
French	PCS/FR078-S0	361601749

* Panel not supplied with keypad.

PCX 78L

LARGE-SCALE HYBRID GRADE 3 CONTROL PANEL

The PCX 78L is the premium control panel for any Grade 3 installation, featuring a bigger cabinet and power supply so a 17Ah battery can be fitted to meet the Grade 3 regulation.

KEY FEATURES

- ▶ Up to 78 zones (hybrid) and 8 partitions (areas)
- ▶ Fully menu-driven programming
- ▶ Remote maintenance with InSite UDL software
- ▶ Connect from anywhere with Hik-Connect



PCX/AM078-L0

Specification features	
Onboard / maximum zones	10 / 78
Onboard / maximum outputs	5 / 85
Areas (independent or level)	8
Arm/disarm methods	App pin, prox or keyfob
User codes	100
- Guard / duress	10
System logs	1250
Programmable automation types	30
Wireless devices (requires ZEM32-WE)	
Onboard / maximum zones	0 / 64
Keyfobs	32
Arming stations	4
Sirens	2
Wired devices	
Onboard / maximum zones	10 / 78
Onboard / maximum outputs	6 / 85
Maximum keypads	6
Maximum readers	5
Communication	
Module compatibility	DIGI-WIFI/XA, DIGI-LAN, DIGI-GPRS+SIM, DIGI-GPRS, DIGI-PSTN
App compatibility	✓
Push notifications	✓
Signalling protocols	Contact ID IP, Contact ID, SIA IP, SIA3, Fast Format IP, Fast Format and SMS
Technical specification	
Power supply onboard	~21.0VAC
- Maximum rating	2.0A
Panel current consumption	80mA
Battery capacity	7-17Ah
Other details	
Operating temperature	-10°C to +40°C
Dimensions [W x H x D]	305 x 390 x 100mm
Weight	11.5kg inc. battery
Certifications	
EN50131	Grade 3
Environmental class	II

Language	Partcode	Sap Code
International English	PCX/AM078-L0	361601736
Italian	PCS/IT078-L0	361601757
Spanish	PCX/ES078-L0	361601753
French	PCS/FR078-L0	361601750

* Panel not supplied with keypad.



MX 280

Designed to deliver the next generation of cloud, the MX 280 is the ideal choice for any installation.

BUSINESS

The MX 280 drives installer and integrator operating efficiencies with enhanced system diagnostics and remote programming from anywhere, via any device. The system also improves the bottom line, with the ability to add various recurring revenue services.



INSTALLATION

The onboard configurator allows for quick and easy programming via a web interface. This coupled with auto-scan delivers highly-efficient installation.



MAINTENANCE

Ongoing servicing and maintenance is quick and simple to achieve. The onboard configurator makes light work of running tests, while remote maintenance can be scheduled, with automatic reports sent to end users; saving installers and integrators time and money.



MX 280

LARGE-SCALE HYBRID GRADE 3 CONTROL PANEL

Designed to deliver the next generation of cloud, the MX 280 is the ideal choice for any Grade 3 installation. Choose the system that provides the next level of security and evolves with future requirements.

KEY FEATURES

- ▶ 280 zone hybrid control panel with 14 areas
- ▶ 4-way configuration methods
- ▶ Multi-path and multi-port connectivity
- ▶ Video Verification through PyronixCloud
- ▶ Security Grade 3



MX 280	
Specification features	
Areas (independent or level)	14
Onboard / maximum zones	8 / 280
Maximum ZEMs	30
Onboard / maximum programmable PGMs	8 / 414
Maximum PGM expanders	16
Arm / disarm methods	App / Remote keyfob
Guard/duress / User codes	20 / 500
System logs	5,000
Programmable automatic types	30
Wireless devices (requires wireless expander)	
Onboard / maximum zones	0 / 96
Maximum wireless expanders	3
Keyfobs	32
Arming stations	4
Sirens	2
Wired devices	
Onboard / maximum zones	8 / 280
Onboard / maximum programmable outputs	6 / 414
RS-485 communication lines	3 (2 x RS485 and 1 x High-speed RS485)
Maximum keypads / readers	30 / 30
Communication	
Module compatibility	Wi-Fi, 4G/2G, 3G/2G
Onboard Ethernet	✓
App compatibility	✓
Push notifications	✓
Signalling protocols	Contact ID, IP, SIA IP, SIA3, Fast Format IP, SIA IP, Fast Format
iVMS compatibility	✓
Technical specification	
Power supply onboard	~ 15VDC
- Maximum rating	3.4A
Current consumption	182mA
Battery capacity	7 - 17Ah
Other details	
Operating temperature	-10°C to +40°C
Dimensions (W x H x D)	305 x 390 x 100mm
Weight	11.5kg inc. battery
Warranty	2 years
Certification	
EN 50131	Security Grade 3
Environmental class	II

A modern living room interior featuring a white sofa with a bright orange cushion. A large potted plant with dark green leaves stands behind the sofa. A tall, thin floor lamp is positioned next to the plant. Large windows in the background offer a view of greenery outside. A large, semi-transparent white circle is overlaid on the left side of the image, containing the text.

ARMING DEVICES

From stylish keypads to convenient proximity readers, the versatile range of wired and wireless arming devices provide the ideal, easy-to-use system for any residential or commercial application.

ARMING DEVICES

AN EXTENSIVE RANGE TO CATER FOR ANY REQUIREMENT

Sleek, stylish and easy to use

We offer a wide range of arming and access control devices to meet any installation needs. The range includes a wireless arming station, indoor and outdoor proximity readers, wireless keyfob and an LCD keypad with integrated proximity reader. The LCD keypad can also be fitted with optional colour casings to match the décor or preference of the user.

Suitable in both residential and commercial environments, whatever the function or requirement, we have the answer.



CONTROL PANELS

Convenient, secure and user-friendly wireless solutions

In some circumstances running cabling can be too invasive, impractical or simply too expensive. Award-winning Pyronix Enforcer two-way wireless arming devices offer a reliable, time-saving, convenient and cost-effective solution, particularly on larger installations.

Designed to ensure high-security protection for users, Pyronix Enforcer two-way wireless technology provides installers with easy installation and maintenance; maximising installation efficiency and operability. Meanwhile, the combination of encrypted two-way wireless communication and extensive wireless transmission range, delivers reliable and secure control of the system via a keyfob or wireless arming station.



WIRED ARMING DEVICES

RELIABLE, CONVENIENT, USER-FRIENDLY ARMING AND ACCESS CONTROL




The range offers everything, from stylish keypads to resilient proximity readers, to deliver the perfect, easy-to-use system for any residential or commercial application.

Compatible with:

Enforcer

PCX

MX 280

	PCX-LCD/EX	LCDP/R	PCX-PROXI/EX	PCX-EXT-BK
				
Specification features				
LCD keypad	✓	✓	✗	✗
Surface mounted	✓	✓	✓	✓
Flushmount back box available	✗	✓	✗	✗
Interchangeable keypad casings	✗	✓	✗	✗
Integrated prox reader	✓	✓	✓	✓
Indoor-use prox reader	✓	✓	✓	✗
IP65 rated outdoor-use proximity reader	✗	✗	✗	✓
Onboard zones	2	2	2	1
Onboard outputs	1	1	1	1
Access control	✗	✗	✓	✓
Power supply				
Power supply	12VDC (9-15 VDC)	12VDC (9-15VDC)	12VDC (9-15VDC)	12VDC (9-15VDC)
Current consumption	50mA	50mA	30mA	22mA
Zones	DEOL, 3EOL	DEOL, 3EOL	DEOL	DEOL
Outputs	Transistor output 100mA (max)		Transistor output 150mA (max)	
Other details				
Operating temperature	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-20°C to +60°C
Weight	258g	258g	130g	220g
Dimensions (W x H x D)	114 x 99 x 34mm	168 x 121 x 34mm	40 x 97 x 23mm	85 x 85 x 21mm
Certifications				
EN50131	Grade 3	Grade 3	Grade 3	Grade 3
Environmental class	II	II	II	IV
	CA12.01424	Self-certified	CA12.01420	CA12.01419
	IMQ Test House	Self-certified	IMQ Test House	IMQ Test House
SAP Code	361300088	361301781	361300103	361300105

For accessories, please see page 95.

WIRELESS ARMING DEVICES

EASY TO INSTALL, USER-FRIENDLY AND SECURE ARMING

Fast, convenient and with easy-to-use control, the two-way wireless range of arming devices offer a non-invasive installation with an extensive transmission range, 128-bit encryption and more, for any Grade 2 system.

KEYFOB-WE



Specification 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	128-bit encrypted radio protocol
3V Lithium battery included	BATT-KF1215 3V
Minimum battery life (years)	1

Weight & dimensions

Weight	28g
Dimensions (W x H x D)	72 x 30 x 20mm

Certifications

EN50131	Grade 2
Environmental class	II
SAP Code	361300156

Compatible with:



LEDP/R-WE



Specification features

ABS keypad with LED icon display	✓
Integrated proximity 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 & warranty

EN50131	Grade 2
Environmental class	II
Self-certified	✓
SAP Code	361301782

Compatible with:



For accessories, please see page 95.

The background of the entire page is a close-up, slightly blurred image of a document. The document contains large, bold, serif text that is oriented diagonally from the top-left towards the bottom-right. The text is dark blue or black. A large, white, semi-transparent circle is positioned on the left side of the page, partially overlapping the background text. Inside this circle, the words 'MODULES AND EXPANDERS' are written in a clean, black, sans-serif font. Below this, a paragraph of text in a smaller sans-serif font describes the product's modularity. The overall aesthetic is professional and technical.

MODULES AND EXPANDERS

The extensive range of communication modules and expanders, coupled with the Enforcer, PCX and MX 280 control panels' modular design, allows for full customisation of the system to meet any installation requirements.

COMMUNICATION MODULES

FLEXIBLE AND RELIABLE COMMUNICATION OPTIONS



We offer a variety of communication path options for alarm signalling, including Wi-Fi, GPRS, Ethernet and PSTN. This extensive range delivers complete installation flexibility, including the ability to use existing user network infrastructures; maximising ease and minimising disruption. With Pyronix communication options, both the Enforcer and PCX control panels can signal to CMS if required. With this capability, any system can enjoy the added peace of mind of professional 24/7 remote monitoring.



The Pyronix IP communication paths, alongside the Enforcer or PCX 78 control panels, deliver PyronixCloud and Hik-Connect capabilities, to give users full remote control and oversight. This allows them to arm and disarm, receive push and voice and video notifications of any activity on the system, control wired-in third-party automation devices and more all through one app.



The PyronixCloud infrastructure provides installers with a multitude of benefits; delivering added value services to users such as app control, as well as installation benefits with secure remote access, panel diagnostics and programming using InSite UDL software.

EXPANDERS

EASILY EXTENDING THE CAPABILITY AND FLEXIBILITY OF ANY INSTALLATION








Whether fully wired, wireless, or a hybrid installation, Pyronix expanders can deliver greater installation capability and flexibility.

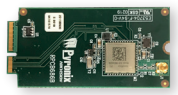


The wired expanders provide the ability to add keypads, proximity readers, detectors and more. This can be ideal for large-scale installations, extensions or renovations where Grade 3 is required.



Wireless expanders can enable hybrid capabilities to easily add wireless outdoor detectors, indoor detectors, sirens, keypads or safety devices, without having to compromise on quality. This can deliver the perfect solution for retrofits, hard-to-reach areas or on listed or historical buildings and retrofits where wiring would be too invasive.

COMMUNICATION MODULES

	DIGI-WIFI DIGI-WIFI/XA	DIGI-LAN	DIGI-GPRS	DIGI-DUAL (LAN/3G communicator)	DIGI-1200 (PSTN communicator)
					
Compatibility					
Enforcer	✓ DIGI-WIFI	✓	✓	✓ *	✓
PCX 78 series	✓ DIGI-WIFI/XA	✓	✓	✓ *	✓
Technical specifications					
Formats	Contact ID IP, SIA 3 IP, supports up/downloading	Contact ID IP, SIA IP, supports up/downloading	Contact ID IP, SIA IP, SMS, supports up/downloading	Dual path, Contact ID IP, SIA IP, SMS, supports up/downloading Supports 3G [900 and 2100MHz]	Contact ID, SIA
Voltage	+12VDC	+12VDC	+12VDC	+12VDC	+12VDC
Quiescent	30mA	30mA	30mA (In use: 420mA)	35mA	20mA (In use 40mA)
Dimensions	109 x 56 x 11mm	109 x 56 x 14 mm	110 x 56 x 10mm	110 x 56 x 10mm	110 x 56 x 10mm
Certification					
ATS / Environmental class	SP5 / II	SP5 / II	SP5 / II	SP5 / II	SP5 / II
EN Certificate	EN61000-6-3:2007 +A1: 2011 EN60950-1:2006 +A11:2009 +A1:2010 +A2:2013 EN50136-1: 2012 EN50136-2: 2013	EN61000-6-3:2007 +A1: 2011 EN60950-1:2006 +A11:2009 +A1:2010 +A2:2013 EN50136-1: 2012 EN50136-2: 2013	EN61000-6-3:2007 +A1: 2011 EN60950-1:2006 +A11:2009 +A1:2010 +A2:2013 EN50136-1: 2012 EN50136-2: 2013	EN 61000-6-3: 2007 +A1: 2011 EN 62368-1: 2014+A11: 2017 EN 50136-1: 2012 ETSI EN 301 511: V12.5.1 (2017-03) Draft ETSI EN 301 489-52: V1.1.0 (2016-11)	EN50136-1: 2012 EN50136-2: 2013
Order information					
SAP Codes	WIFI: 361300123 WIFI/XA: 361301389	361300091	361300092	361301776	361300090

	COMM-WIFI	COMM-2G/3G	COMM-2G/4G
			
Compatibility			
MX 280	✓	✓	✓
Technical specifications			
Formats	Contact ID IP, SIA 3 IP, supports up/downloading	Contact ID IP, SIA, SIA L3, supports up/downloading	Contact ID IP, SIA, SIA L3, supports up/downloading
Frequency	2.4 GHz	Support 3G UMTS/HSPA Band: 800/850/900/1900/2100MHz GSM/GPRS/EDGE Band: 850/900/1800/1900MHz	Support 4G Frequency bands(MHz): B1(2100), B3(1800), B7(2600), B8(900), B20(800)
Voltage	-9-16VDC	-9-16VDC	-9-16VDC
Quiescent	30mA	30mA	30mA
Dimensions	30 x 60 mm (board) 22 x 116 mm (antenna)	30 x 60 mm (board) 22 x 116 mm (antenna)	30 x 60 mm (board) 22 x 116 mm (antenna)
Certification			
EN Certificate	EN50136-1: 2012 +A1: 2018 EN50136-2: 2013 PD50136-9: 2017 SP5 (Single Path) Environmental Class (EC) II	EN50136-1: 2012 +A1: 2018 EN50136-2: 2013 PD50136-9: 2017 SP5 (Single Path) Environmental Class (EC) II	EN50136-1: 2012 +A1: 2018 EN50136-2: 2013 PD50136-9: 2017 SP5 (Single Path) Environmental Class (EC) II
Order information			
SAP Codes	TBD	TBD	TBD

V2 SPEECH DIALLERS

UNIVERSAL SPEECH DIALLERS

The V2 range of Speech Diallers enable communication of alarm information directly to telephone devices. Compatible with any brand of control panel via hardwired connection, they provide speech messages and SMS text messaging via a PSTN or GSM network.

KEY FEATURES

- ▶ 6 zones onboard
- ▶ Up to 14 voice messages
- ▶ Program upto 9 telephone numbers
- ▶ Integrated microphone and speaker

Compatible with:



CONTROL PANELS

V2GSM











V2TEL/PSTN






Specification features		
Onboard / maximum zones	6 expandable to 14	6
Onboard / maximum 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
Other details		
Operating temperature	-20°C to +40°C	-20°C to +40°C
Dimensions (W x H x D)	147 x 100 x 28mm	147 x 100 x 28mm
Power supply	10-14VDC	10-14VDC
Current consumption	300mA Max (40mA at rest)	300mA Max (40mA at rest)
Order information		
SAP Code: International	361300137	361300140
SAP Code: France, North Africa, Switzerland	361300138	-
SAP Code: Germany, Austria, Switzerland	361300135	361300139
SAP Code: Italy, Switzerland	361300130	361300131
SAP Code: Russia, CIS	361300136	-
SAP Code: Spain, LATAM	361300166	-

EXPANDERS

Zone

	PCX-RIX8i-P/BOX	PCX-RIX8+P/BOX	PCX-RIX8+PSU-M/BOX	PCX-RIX32-WE
				
Type of module				
Wired zone expander module	✓	✓	✓	-
Two-way wireless expander module	✗	✗	✗	✓
Specification features				
Wired zones (NC/DEOL/3-EOL)	8	8	8	✗
Inertia and roller shutter sensors support	8	✗	✗	✗
Two-way wireless zones	✗	✗	✗	32
Two-way wireless keyfobs	✗	✗	✗	32
Two-way wireless sirens	✗	✗	✗	2
Output support	✗	4 Open Collector	4 Open Collector	✗
Housing with tamper protection	Plastic	Plastic	Metal	Plastic
Integrated power supply	✗	✗	2.5A	✗
Power zone	9 - 15VDC	9 - 15VDC	220 - 240VAC	9 - 15VDC
Other details				
Operating temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Weight	500g	500g	5.6kg	1.07kg
Dimensions	173 x 125 x 32mm	173 x 125 x 32mm	225 x 150 x 30mm	173 x 125 x 32mm
Certifications				
EN50131	Grade 2	Grade 3	Grade 3	Grade 2
Environmental class	II	II	II	II
	CA12.01433	CA12.01434	CA12.01431	CA12.01439
SAP Code	361300106	361300012	361300096	361300028
Compatible with:				
				

OUTPUT

	PCX-ATE8R*	PCX-ROX8R8T-P/BOX	PCX-ROX16R-PSU-M/BOX
			
Type of module			
Output expander module	✓	✓	✓
Specification features			
Output support	8 Relays	8 Open Collector and 8 Relays	16 Relays
Housing with tamper protection	✗	Plastic	Metal
Integrated power supply	✗	✗	2.5A
Power zone	9 - 15VDC	9 - 15VDC	220-240VAC
Other details			
Operating temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Weight	68g	315g	5.6kg
Dimensions	109 x 56 x 14mm	173 x 125 x 32mm	225 x 150 x 30mm
Certifications			
EN50131	Grade 3	Grade 3	Grade 3
Environmental class	II	II	II
	✗	CA12.01435	CA12.01432
SAP Code	361300095	361300094	361300093
Compatible with:			
			

UR2-WE

UNIVERSAL TWO-WAY WIRELESS RECEIVER

Compatible with any brand of alarm control panel with arma and disarm outputs

KEY FEATURES

- ▶ 2 channels
- ▶ 10 wireless sensors or 6 wireless keyfobs per channel
- ▶ Brand independent
- ▶ Two-way wireless technology
- ▶ Instant Two-way Device Control (ITDC)
- ▶ Walk test mode
- ▶ Low power consumption
- ▶ Active zone indication

Compatible with:



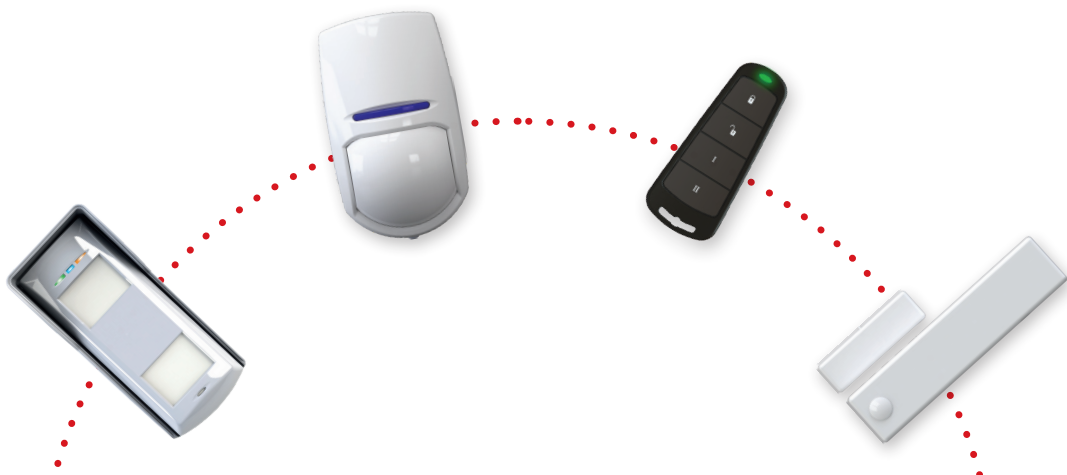
CONTROL PANELS

UR2-WE	
Specification features	
Alarm relay output	1 per channel
Wireless channels**	2
Two-way wireless detectors	10 per channel
Two-way wireless keyfobs	6 per channel
Wireless peripherals dedicated fault relay	1
System arm / disarm zone	1
Alarm indication (7 segment display)	1
Electrical specifications	
Power supply	9 - 15VDC
Current consumption	Min 80mA / max 400mA
Outputs	3x relay (max, 3A @ 30VDC)
Other details	
Operating temperature	-10°C to +50°C
Dimensions	173 x 125 x 32mm
Warranty (years)	2
Certifications	
Environmental class	II
SAP Code	361300029

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

The UR2-WE provides installers with the ultimate installation flexibility, by delivering the capability to use the entire Pyronix Enforcer two-way wireless range of peripherals on any brand of wired alarm control panel with a arm and disarm output.

So, whether installing new or upgrading existing systems, the UR2-WE enables the addition of up to 10 wireless sensors or 6 wireless keyfobs per channel*; giving the installation the flexibility it requires, with all the great benefits of multi-award-winning Pyronix Enforcer two-way wireless technology.



DETECTORS AND SENSORS

WIRELESS AND WIRED INDOOR

AND OUTDOOR DETECTORS AND SENSORS

- 
- 
- 57 INDOOR PIR DETECTORS:**
TWO-WAY WIRELESS INDOOR DETECTORS
WIRED INDOOR DETECTORS
- 65 DUAL TECHNOLOGY DETECTORS:**
TWO-WAY WIRELESS INDOOR DETECTORS
WIRED INDOOR DETECTORS
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SHOCK SENSOR
BREAKGLASS
WIRELESS SENSORS
- 71 SAFETY, CONTACTS AND HOLD UP DEVICES:**
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TWO-WAY WIRELESS SAFETY SENSORS
WIRELESS HOLD UP/MEDICAL DEVICE
- 79 OUTDOOR DETECTORS:**
TWO-WAY WIRELESS OUTDOOR DETECTOR
WIRED OUTDOOR DETECTOR
ACTIVE INFRARED BEAMS
SECURITY RADAR



INDOOR PIR DETECTORS

Our range of easy-to-install indoor PIR detectors provide reliable coverage for any room.

INDOOR PIR DETECTORS

GRADE 2

Protecting a living room, kitchen or office? Does the user have pets or does the detector need to adapt to its environment? No problem, Pyronix has the detection solution.



Variety of detection ranges

Offering 10m to 30m detection ranges to provide the ideal coverage of living rooms, bedrooms, office spaces, corridors and more.



Easy wired installation

The wired variants incorporate selectable EOL resistors, with EOL tamper and alarm resistor values to cater for DEOL wiring for most control panels on the market.



Flexible coverage patterns

The range delivers a choice of volumetric, curtain and long range coverage patterns, to cater for any installation requirement. This even includes a ceiling mount option, which delivers the ideal solution where traditional detectors could be bypassed, such as areas with desks or racking.



Two-way wireless technology

The wireless variants employ this award-winning technology to deliver easy installation without compromising on reliability or security, with Signal Strength Indicators (SSI), one-push-to-learn, 128-bit encryption, long range signalling, dual antennas and Instant Two-way Device Control (ITDC) features.



Professional, uniform finish

3mm polished ABS plastics on all detectors provide a professional and sleek finish to suit both residential and commercial environments, while reducing electrostatic interference on the PIR sensor. All KX detectors feature the same housing to deliver a completely uniform finish in every room, if required.



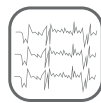
Pet immunity

The range caters for installations where pets could cause false alarms, with animal immunity up to 24kg.



Blue Wave Technology (BWT)

Advanced signal processing and 3D optics safeguard against false alarms and improve immunity to interference.



Independent Floating Thresholds (IFT)

IFT technology ensures that the alarm thresholds are always kept within predetermined limits, eliminating electrical environmental disturbances.



Digital temperature compensation

Digitally adjusts the sensitivity of the detector to maintain its 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 protection of the area below the detector (creep zone).



Automatic sensitivity

The detector self-adapts to changing environmental conditions to maintain stability and intruder catch performance.

KX DETECTORS

ENFORCER TWO-WAY WIRELESS PIR DETECTORS

The ideal detection solution for areas where cabling would be unsuitable, the wireless KX range provides easy installation, adapts to its environment and offers pet immune and coverage options.

KEY FEATURES

- ▶ Two-way wireless technology
- ▶ Blue Wave Technology (BWT)
- ▶ Automatic sensitivity
- ▶ Digital temperature compensation
- ▶ One-push-to-learn button

Compatible with:



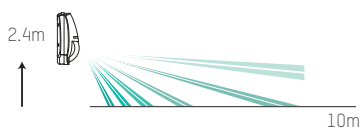
	KX10DP-WE	KX12DQ-WE	KX15DC-WE	KX25LR-WE
Lens characteristics				
Volumetric lens 85° coverage, 7 planes, 60 zones	✓	✓	✗	✗
Pet immunity coverage, 6 planes, 56 zones	✓	✗	✗	✗
Curtain lens, 20° coverage, 6 planes, 46 zones	✗	✗	✓	✗
Long range lens, 20° coverage, 6 planes, 24 zones	✗	✗	✗	✓
Maximum range	10m	12m	15m	25m
Optimum installation height	1.8-2.4m	1.8-2.4m	Max 4m	1.8-2.4m
Creep-zone protection	✗	✓	✓	✓
Specification features				
Animal immunity	<24kg	✗	✗	✗
Blue Wave Technology (BWT)	✓	✓	✓	✓
Automatic sensitivity	✓	✓	✓	✓
Digital temperature compensation	✓	✓	✓	✓
Front and rear tamper protection included	✓	✓	✓	✓
Signal Strength Indicators (SSI)	✓	✓	✓	✓
Electrical specifications				
Transmission frequency	868MHz, FM transceiver			
Transmission method	128-bit encrypted radio protocol			
3V Lithium battery included	1 x CR123A	1 x CR123A	1 x CR123A	1 x CR123A
Minimum battery life (years)	2	2	2	2
Other details				
Operating temperature	-10°C to +40°C			
Weight	125g			
Dimensions (W x H x D)	69 x 117 x 50mm			
Certifications				
EN50131	Grade 2	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II	II
SAP Code	361300015	361300016	361300014	361300009

For more accessories, please see page 95.

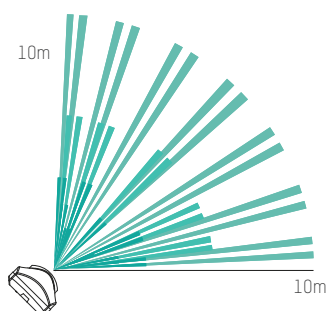
LENS DIAGRAMS

KX10DP-WE - volumetric lens

Vertical coverage

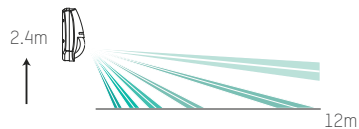


Horizontal coverage

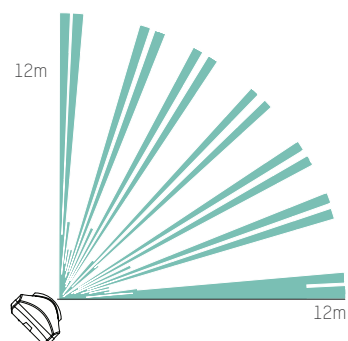


KX12DQ-WE - volumetric lens

Vertical coverage

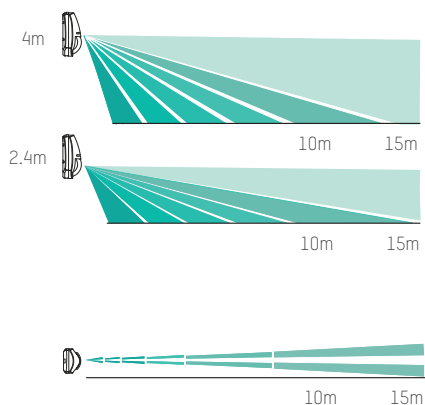


Horizontal coverage



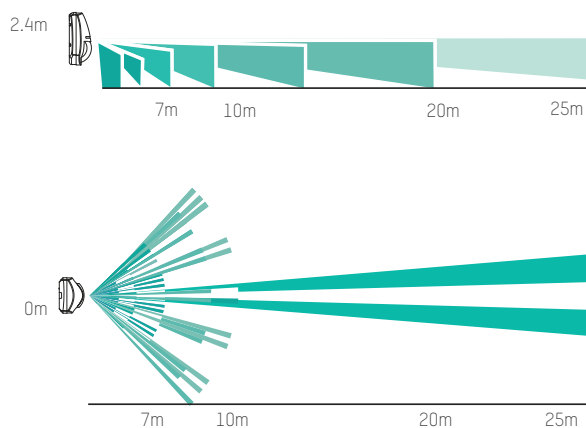
KX15DC-WE - volumetric lens

Vertical coverage



KX25LR-WE - long range lens

Vertical coverage



KX DETECTORS

WIRED INDOOR PIR DETECTORS

For any indoor installation where cabling isn't an issue, the wired KX range adapts to its environment, offers different coverage patterns, pet immunity options and onboard EOL resistors, to deliver the ideal solution.

KEY FEATURES

- ▶ From 10m up to 30m range variants
- ▶ Blue Wave Technology (BWT)
- ▶ Automatic sensitivity
- ▶ Digital temperature compensation
- ▶ Onboard EOL resistors

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



KX10DP

KX15DD

KX15DQ

KX18DC

Optical and range features	KX10DP	KX15DD	KX15DQ	KX18DC
Volumetric coverage: 85°, 7 planes, 60 zones	✗	✓	✓	✗
Pet detection: 85°, 6 planes, 56 zones	✓	✗	✗	✗
Curtain coverage: 20°, 6 planes, 46 zones	✗	✗	✗	✓
Long range coverage: 20°, 6 planes, 24 zones	✗	✗	✗	✓
Maximum range	10m	15m	15m	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	✗	✓	✓	✓
Specification features				
Animal immune	<24kg	✗	✗	✗
Blue Wave Technology (BWT)	✓	✓	✓	✓
Automatic sensitivity	✓	✓	✓	✓
Digital temperature compensation	✓	✓	✓	✓
Optical quad	✗	✗	✓	✗
EOL resistors onboard	✓	✓	✓	✓
Tamper protection included	✓	✓	✓	✓
Electrical specifications				
Power supply	9-16DC (12DC nominal)			
Current consumption at rest and in alarm	11mA, 13mA			
Outputs relay	Solid state, 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 temperature	-30°C to +50°C			
Weight	125g			
Dimensions (W x H x D)	69 x 117 x 55 mm			
Certification				
EN50131	Grade 2	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II	II
SAP Code	361300082	361300085	361300084	361300083

For more accessories, please see page 95.

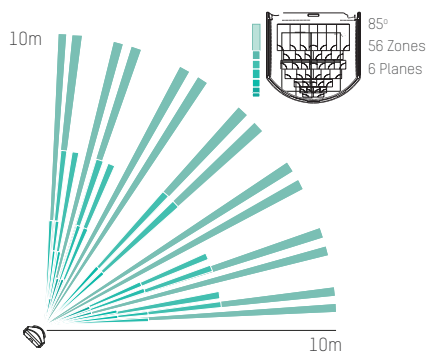
LENS DIAGRAMS

KX10DP - volumetric lens

Vertical coverage

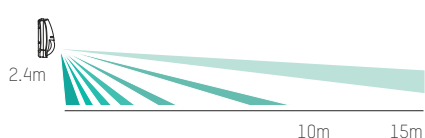


Horizontal coverage

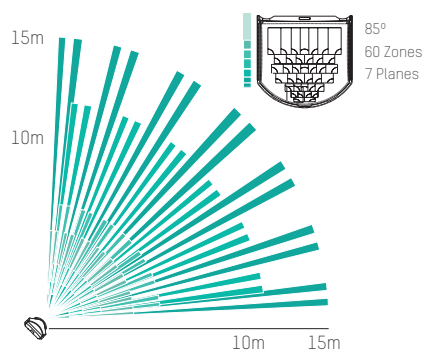


KX15DQ - volumetric lens

Vertical coverage

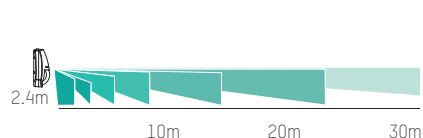


Horizontal coverage

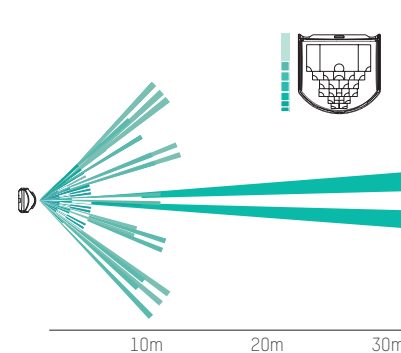


KX18DC - long range lens

Vertical coverage

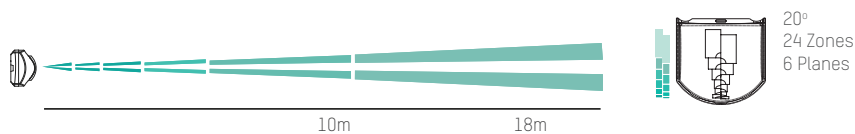


Horizontal coverage

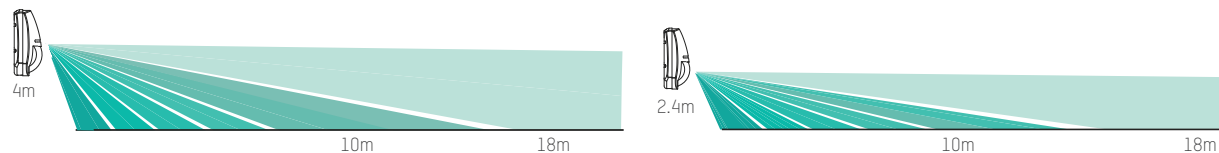


KX18DC - curtain lens

Vertical coverage



Horizontal coverage





COLT DETECTOR

COMPACT WIRED PIR DETECTOR

A small and stylish passive infrared (PIR) detector, which provides excellent reliability and false alarm immunity while complementing any room.

KEY FEATURES

- ▶ Dual element pyroelectric sensor
- ▶ 10m PIR detector
- ▶ Patented Independent Floating Thresholds (IFT)
- ▶ Adjustable sensitivity settings
- ▶ Automatic temperature compensation

Compatible with:

Enforcer


PCX

MX 280

3rd
Party Products



COLT10DL-200

Optical and range features	
Coverage	Volumetric coverage: 90°, 108 zone and 3 planes
Maximum range	10m
Optimal installation height	1.8-2.4m
Specification 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 temperature	-30°C to +70°C
Weight	58g
Dimensions (W x H x D)	82 x 50 x 41mm
Certifications	
EN50131	Grade 2
Environmental class	II
 Pyronix	Self-certified
SAP Code	361300163

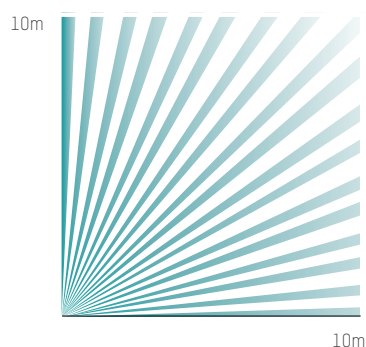
COLT coverage patterns

Vertical coverage



COLT coverage patterns

Horizontal coverage



OCTOPUS DQ

WIRED CEILING MOUNT PIR

The Octopus DQ ceiling mount quad element passive infrared (PIR) detector offers an alternative solution. With 360° coverage, superior plastics and optimised installation, it can be fitted to cover aisles in shops, office spaces, storage rooms and more.

KEY FEATURES

- ▶ 360° coverage
- ▶ Maximum range 12m
- ▶ QUAD-Interlocking
- ▶ Blue Wave Technology (BWT)
- ▶ Automatic temperature compensation

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products

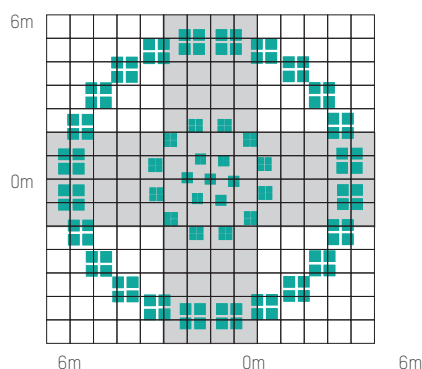


OCTOPUSDQ

Optical and range features	
Coverage	Volumetric coverage: 360°, 156 zone, 3 planes
Maximum range	12m
Optimal installation height	2.4-4m
Ceiling mount PIR	✓
Specification features	
QUAD-interlocking element pyroelectric sensor	✓
Independent Floating Threshold (IFT) technology	✓
Adjustable sensitivity	✓
Automatic temperature compensation	✓
Power supply	9-16VDC (12 VDC nominal)
Outputs relay	Solid state, 60VDC, 50mA protection
Tamper terminal	12VDC 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
Certification	
EN50131	Grade 2
Environmental class	II
SAP Code	361300181

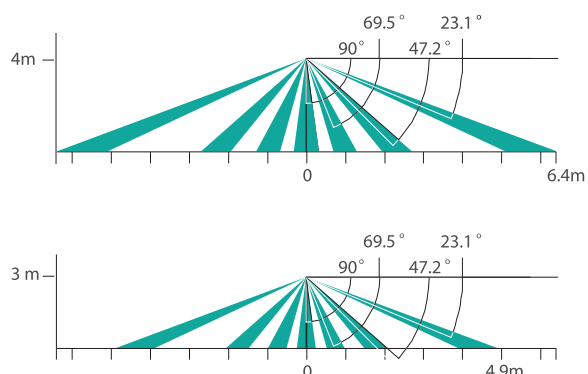
OCTOPUS DQ

Vertical coverage



OCTOPUS DQ

Horizontal coverage



A photograph of a modern building's interior, featuring a large, curved white wall on the left and a glass-walled staircase in the background. The ceiling is dark with several recessed lights. A large, semi-transparent white circle is overlaid on the left side of the image, containing the text. The floor is a light-colored, polished material.

DUAL TECHNOLOGY

Ideal for more hostile environments, dual technology detectors maintain performance in environments with fluctuating conditions, such as garages and conservatories, while reducing the risk of false alarms in high value commercial environments.

DUAL TECHNOLOGY DETECTORS

INDOOR GRADE 2 AND 3

Any areas with changing conditions, such as fluctuating temperatures, draughts and/or sunlight, can cause false alarm activations with traditional detection technologies. Pyronix dual technology detectors provide the ideal solution; delivering greater stability and maintaining intruder catch performance in entrance halls, conservatories and workshops, while providing a greater level of security in higher risk commercial applications.



Dual technology

Combining a low noise dual element pyroelectric sensor (PIR) and Microwave Doppler Sensor (MW) in one housing. With this dual technology, both PIR and MW sensors have to be activated simultaneously to generate an alarm condition. This increases stability and maintains intruder catch performance in hostile environments, while reducing the risk of false alarms.



Two-way wireless technology

The wireless variants employ this award-winning technology to deliver easy installation without compromising on reliability or security, with Signal Strength Indicators (SSI), one-push-to-learn, 128-bit encryption, long range signalling, dual antennas and Instant Two-way Device Control (ITDC) features.



Different microwave frequencies

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



Easy wired installation

The wired variants incorporate EOL tamper, alarm and mask resistor values to cater for DEOL and 3EOL wiring for most control panels on the market.



Variety of detection ranges

Offering 10m to 30m detection ranges to provide the ideal coverage of entrance halls, conservatories, corridors and more.



Flexible coverage patterns

The range delivers a choice of volumetric, curtain and long range coverage patterns, to cater for any installation.



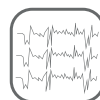
Blue Wave Technology (BWT)

Advanced signal processing and 3D optics safeguard against false alarms and improve immunity to interference.



Grade 3 variants

The Pyronix range of indoor dual technology detectors also offers Grade 3 options, featuring anti-interference technologies, which consists of anti-masking, anti-blocking, as well as AND/OR anti-cloaking.



Independent Floating Thresholds (IFT)

IFT technology ensures that the alarm thresholds are always kept within predetermined limits, eliminating electrical environmental disturbances.



Anti-cloaking

This changes the method of activating a dual technology detector; either triggering both PIR and microwave technologies or activating either technology individually to initiate an alarm condition.



Digital temperature compensation

Digitally adjusts the sensitivity of the detector to maintain its specified range when the background temperature is near to body temperature.

KX DETECTORS

ENFORCER WIRELESS INDOOR DUAL TECHNOLOGY DETECTORS

The ideal detection solution for any hostile environments where cabling would be unsuitable; providing stable and reliable performance, with fast and efficient installation.

KEY FEATURES

- ▶ From 10m up to 12m range variants
- ▶ Blue Wave Technology (BWT)
- ▶ Pet immune option
- ▶ Grade 2
- ▶ Two-way wireless technology
- ▶ One-push-to-learn

Compatible with:



KX10DTP-WE

KX12DT-WE

Optical and range features		
Maximum range	10m	12m
Optimal installation height	1.8-2.4m	1.8-2.4m
Creep-zone protection	✗	✓
Specification features		
Animal immune	<24kg	✗
Blue Wave Technology (BWT)	✓	✓
Automatic sensitivity	✓	✓
Digital temperature compensation	✓	✓
Anti-cloaking	✗	✗
Separate indication: microwave, PIR and alarm	✓	✓
3 microwave frequencies to avoid interference	✓	✓
Tamper protection included	✓	✓
Signal Strength Indicators (SSI)	✓	✓
Wireless electrical specifications		
Transmission frequency	868MHz, FM transceiver	
Transmission method	128-bit encrypted radio protocol	
3V Lithium battery included	2 x 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 temperature	-10°C to +40°C	
Weight	135g	
Dimensions (W x H x D)	69 x 117 x 59 mm	
Certification		
EN50131	Grade 2	Grade 2
Environmental class	II	II
SAP Code: International	361300018	361300020
SAP Code: Czech, Austria, France, Poland	361300017	361300019

For more accessories, please see page 95.

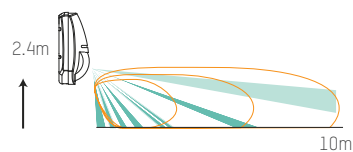
To be sure these products are allowed to be sold or installed in your region, please check with your local authorities regarding regulations and accredited frequencies. Microwave frequency information can be found on page 92.

LENS DIAGRAMS

ENFORCER WIRELESS INDOOR DUAL TECHNOLOGY DETECTORS

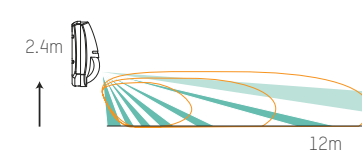
KX10DTP-WE and KX10DTP - volumetric lens

Vertical coverage



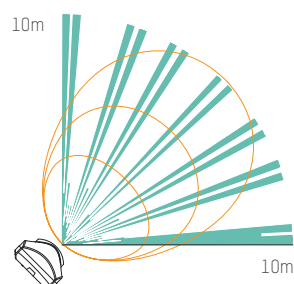
KX12DT-WE - volumetric lens

Vertical coverage



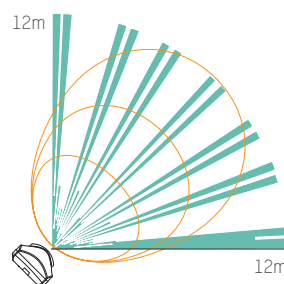
KX10DTP-WE and KX10DTP - horizontal lens

Horizontal coverage



KX12DT-WE - horizontal lens

Horizontal coverage



KX DETECTORS

WIRED INDOOR DUAL TECHNOLOGY DETECTORS

For any wired installation requiring secure detection in hostile environments, the KX offers the ideal solution. Easy to install and adapting to its environment, the range even has a Grade 3 variant to suit any installation need.

KEY FEATURES

- ▶ From 10m up to 30m range variants
- ▶ Blue Wave Technology (BWT)
- ▶ Pet Immune variant
- ▶ Anti-masking variant
- ▶ Grade 2 and Grade 3 options
- ▶ Onboard EOL resistors

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



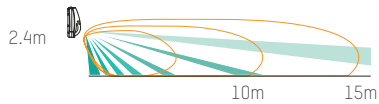
Optical and range features	KX10DTP	KX15DT	KX15DTAM
Coverage	Volumetric	Volumetric	Volumetric, Curtain, Long range
Maximum range	10m	15m	15m/18m/30m
Optimal installation height	1.8-2.4m	1.8-2.4m	1.8-2.4m
Creep-zone protection	x	✓	✓
Specification features			
Adjustable anti-masking	x	x	✓
Anti-blocking	x	x	✓
Animal immune	<24kg	x	x
Blue Wave Technology (BWT)	✓	✓	✓
Automatic sensitivity	✓	✓	✓
Digital temperature compensation	✓	✓	✓
Anti-cloaking	AND/OR	AND/OR	AND/OR
Separate indication: microwave, PIR and alarm	✓	✓	✓
3 microwave frequencies to avoid interference	✓	✓	✓
EOL resistors onboard	✓	✓	✓
Tamper protection included	✓	✓	✓
Wired			
Power supply	9-16VDC (12VDC nominal)		
Current consumption at rest and in alarm	23mA, 30mA		
Output relay	Solid state, 60VDC, 50mA protection		
Tamper terminal	12VDC 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, 10.5356Hz		
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 temperature	-30°C to +50°C		
Weight	125g		
Dimensions (W x H x D)	69 x 117 x 55 mm		
Certification			
EN50131	Grade 2	Grade 2	Grade 3
Environmental class	II	II	II
SAP Code: International	361300080	361300108	361300073
SAP Code: Czech, Austria, France, Poland	361301279	361300075	361300072

For more accessories, please see page 95.

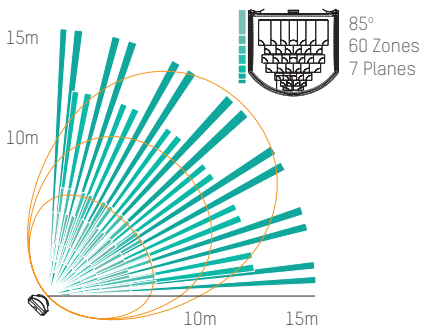
To be sure these products are allowed to be sold or installed in your region, please check with your local authorities regarding regulations and accredited frequencies. Microwave frequency information can be found on page 92.

LENS DIAGRAMS

KX15DT - KX15DTAM - volumetric lens
Vertical coverage



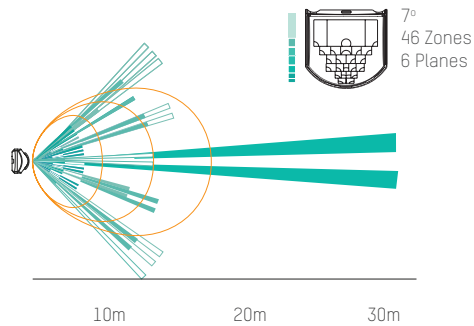
KX15DT - KX15DTAM - horizontal lens
Horizontal coverage



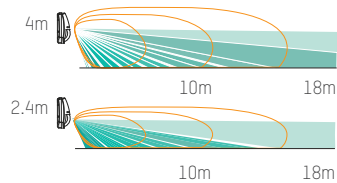
KX15DTAM - 30m long range lens
Vertical coverage



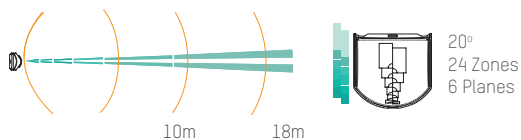
KX15DTAM - 30m long range lens
Horizontal coverage



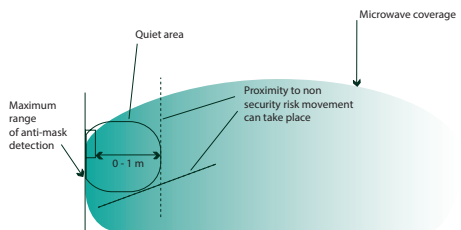
KX15DTAM - 18m long range lens
Vertical coverage



KX15DTAM - 18m long range lens
Horizontal coverage



KX15DTAM - 18m long range lens
Anti-masking



A modern living room with large windows and a view of a pool and garden. The room features a beige leather sofa, a grey armchair, and a round glass coffee table. The windows look out onto a lush green garden with a swimming pool, lounge chairs, and a large umbrella. The ceiling has recessed lighting.

IMPACT SENSORS

Looking to add an extra layer of security to indoor motion detection, or needing an alternative solution altogether? Our impact sensors feature specifically developed technologies, to provide the very solution.

IMPACT SENSORS

RELIABLE AND CONVENIENT INDOOR PERIMETER PROTECTION



Reliable perimeter protection offering early detection

By installing Pyronix impact sensors instead of indoor motion detection, intruders can be detected as they attempt to break-in, rather than when they have already breached the perimeter. So, when the system is armed, the impact sensors can trigger an alarm, before the intruder enters the property.



Freedom to move around

In any areas where the user requires access or the freedom to move around while the alarm is armed, such as bedrooms, bathrooms or landings, or if they have pets that are left during the day, Pyronix impact sensors offer the ideal alternative to traditional PIR detection.



Additional security

For any rooms with large windows, outbuildings, sheds, conservatories and more, Pyronix impact sensors offer an added layer of protection for added peace of mind.



2-stage detection process

The BG16DF features this technology whereby, to generate an alarm activation, the detector needs to first pick up the high frequency 'shatter' of the glass and then recalls the low frequency 'flex' of the glass.



Adjustable sensitivity with gross attack override

This allows the sensitivity of the SHOCK/W to be calibrated. The pulse count is selectable and can be set to 1, 2, 4 or 6. However, any vibration which is higher than the calibrated sensitivity will override the pulse count feature and directly activate the alarm output.



Advanced Digital Background-Noise Filter

The breakglass sensors filter unwanted noise to focus solely on the frequencies of the shatter and flex of breaking glass; reducing the risk of false alarm activations.



Piezoelectric sensor detection

The SHOCK/W does not contain any moving parts and is therefore not gravity dependent which means it can be installed on any plane, in any orientation.



24-hour protection

Where impact sensors are installed, the alarm system can be left permanently armed to deliver around-the-clock protection of high-risk areas.



Omni-directional sensor

This enables the BG16DF to be installed in a convenient location in close proximity to the glass.

SHOCK SENSOR

WIRED SHOCK SENSOR

The wired shock sensor delivers reliable security detection, without needing movement. Providing users the freedom to move around while the system is secured.

KEY FEATURES

- ▶ Sleek and stylish design
- ▶ Piezoelectric sensor detection
- ▶ Adjustable sensitivity
- ▶ Latch functionality
- ▶ Reverse polarity protection

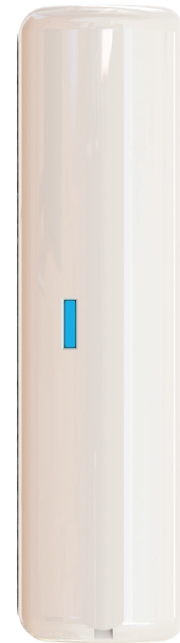
Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



SHOCK/W

Specification features	
Detection method	Piezoelectric sensor
Range	2.5m radius (nominal)* Sensitivity adjustable
Digital Signal Processing	✓
Sensitivity settings	High/low range
Potentiometer fine tuning	✓
Pulse count	1, 2, 4 or 6
LED enable	By jumper
Latching feature	By jumper
Front and rear tamper protection	✓
Removable electronics	✓
Gross attack activation	✓
Electrical specifications	
Power supply	~9-16VDC (12VDC nominal)
Quiescent current consumption	~16mA @ 12VDC
Maximum current consumption	~30mA @ 12VDC
Outputs relay	Solid state, 12VDC, 50mA protection
Tamper terminal	12VDC max, 50mA max
Other details	
Casing	ABS plastics (white)
Operating temperature	-10°C to +40°C
Weight	38.8g
Dimensions (W x H x D)	29 x 107 x 21.5mm
Certifications	
EN50131	Grade 2
Environmental class	II
SAP Code	361301390

* 2.5m radius value stated is typical. In some environments, this value may differ.

BREAKGLASS

DUAL FREQUENCY BREAKGLASS DETECTORS

Filtering unwanted noise to focus solely on the frequencies of shattering and flexing glass, the BG16DF perfectly protects outbuildings, conservatories or any other room with large windows; raising the alarm to any breaking glass.

KEY FEATURES

- ▶ 6m detection range covering 360°
- ▶ Microprocessor technology
- ▶ Flex and shatter frequency detection
- ▶ Advanced digital noise background filter
- ▶ Latch mode

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



BG2000

BG16DF



Specification features

Designed for most types of glass	✓	✓
Maximum range from detector to the glass	6m	6m
Angle of coverage	360°	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	9-16VDC (12VDC nominal)
Current consumption at rest	30mA (a 13.8VDC)
Current consumption in alarm	28mA (a 13.8VAC)
Outputs relay	60 VDC, 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 temperature	-10°C to +50°C
Weight	100g
Dimensions	90 x 90 x 30mm
Warranty (years)	2
SAP Code	361300110 361300077

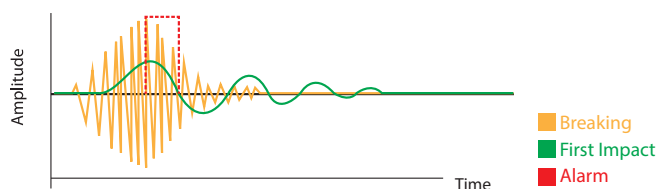


BG-TESTER

Specification features

Reproduces the frequency of first impact	✓
Reproduces the frequency of glass flexing	✓
Reproduces the frequency of glass breaking	✓
SAP Code	361300076

Combination of both frequencies (alarm)



A modern living room with a large window, a white leather sofa, a potted plant, and a coffee table. The window has white roller blinds. The sofa is white with two dark brown striped pillows. A large potted plant is on the left. A dark wood coffee table is on the right. A large white circular graphic is on the left side of the image, containing text.

CONTACTS, SAFETY AND HOLD UP DEVICES

Delivering security, safety,
function and total peace of
mind, for any installation.

CONTACTS/SENSORS

ENFORCER TWO-WAY WIRELESS MAGNETIC CONTACTS AND SHOCK SENSORS




Offering reliable perimeter protection that's ideal where the user needs the freedom to move around, without triggering an alarm, when the system is armed.

Compatible with:

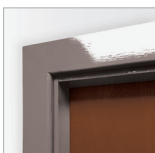


KEY FEATURES

- ▶ Two-way wireless technology
- ▶ Easy-to-install
- ▶ 2 years battery life
- ▶ Security Grade 2

	MC1MINI-WE	MC1/SHOCK-WE	RS2-WE
			
Zones			
Magnetic contact plug and play	✓	✗	✗
Shock sensor and magnetic contact / universal transmitter with 2 wireless channels	✗	✓	✗
Magnetic contact and one channel universal transmitter	✗	✗	✓
Specification features			
Terminal for N/C zone and reed switch	✗	✓	✓
Tamper zone	✗	✓	✓
Front and rear tamper protection	✓	✓	✓
Signal Strength Indicators (SSI)	✓	✓	✓
Magnet included	✓	✓	✓
Electrical specifications			
Transmission frequency	868MHz, FM transceiver		
Transmission method	128-bit encrypted radio protocol		
3V Lithium battery included	1 x CR123A	1 x CR123A	1 x CR2
Minimum battery life (years)	2	2	2
Certifications			
EN50131	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II
SAP Code	361300061	361300057	361300059

For more accessories, please see page 95.



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

SAFETY SENSORS

ENFORCER TWO-WAY WIRELESS SAFETY SENSORS

Protect both the property and its occupants with smoke, water leak and carbon monoxide (CO) sensors; raising the alarm to avoid potential disasters.

Compatible with:

AXHub




Enforcer

PCX

MX 280

KEY FEATURES

- ▶ Two-way wireless technology
- ▶ Smoke, water leak and carbon monoxide options
- ▶ Keeping properties, families and staff safe
- ▶ Signal Strength Indicators (SSI)
- ▶ Front and rear tamper protection

	WL-WE	SMOKE-WE	CO-WE
			
Sensor types			
Water leak sensor with 1m cable included	✓	✗	✗
Smoke detector	✗	✓	✗
Carbon monoxide detector	✗	✗	✓
Specification features			
Button sensor test	✗	✓	✓
LED sensor test	✗	✓	✓
Front and rear tamper protection	✓	✓	✓
3V Lithium battery included	1 x CR2	1 x CR123A	✗
1.5V alkaline battery included	✗	✗	3 x AA
Signal Strength Indicators (SSI)	✓	✓	✓
Minimum battery life (years)	2	2	1
Specialist certification	✗	EN 14604:2005+AC:2008	EN50291-1:2010
Certifications			
Electrical conformity	CE	CE	CE
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
SAP Code	361300054	361300055	361300053

For more accessories, please see page 95.

HUD/MED-WE

WIRELESS HOLD UP/ MEDICAL DEVICE

The HUD/MED-WE enables users to discreetly and conveniently signal for help, it's that simple.

KEY FEATURES

- ▶ Raise the alarm in an emergency
- ▶ Medical keymat also supplied
- ▶ Two-way wireless technology
- ▶ One-push-to-learn

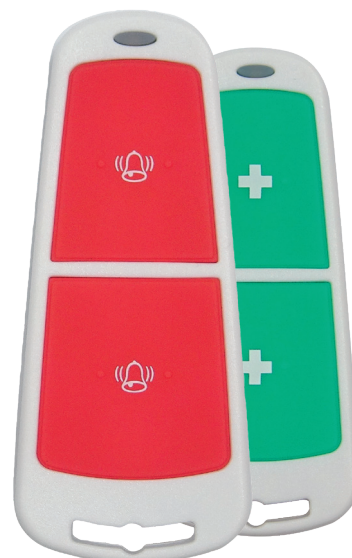
Compatible with:

AXHub

Enforcer

PCX

MX 280



HUD/MED-WE

Technical specifications	
Button action	Hold up (PA) or Medical (depending on the programming)
Button configuration	Pressed and held for 2 seconds
Hold up function	✓
Indication	LEDs (Red, Green, Amber)
Transmission method	Fully encrypted rolling code
Code combinations	4294967295
Battery type	CR1/3N
Battery voltage	3V
Operating temperature	-10°C to +40°C
Dimensions (W x H x D)	30 x 72 x 20mm
Compatible with	Enforcer PCX (using the Wireless Expander)
SAP Code	361300168

For more accessories, please see page 95.



A modern brick house at night with a large glass door and a stainless steel clothesline in the foreground. The house has a brick facade and a large glass door that is illuminated from within. A stainless steel clothesline is set up on a wooden deck in the foreground. The background shows a dark sky and some trees.

OUTDOOR DETECTORS

Our outdoor detection range features multiple technologies specifically developed to deliver resolute and reliable performance; offering the ideal solution for all applications and markets.

OUTDOOR DETECTOR TECHNOLOGY

DEVELOPED TO DELIVER ROBUST,
RELIABLE PERFORMANCE



Tri-Signal Detection Logic

Consisting of two independent Passive Infrared (PIR) sensors and one microwave (MW) sensor in one housing, the Tri-Technology detects an intruder with Tri-Signal Detection Logic, whereby to identify the presence of an intruder, all three sensors of the XD must be activated sequentially in quick succession to create an alarm.



Dual-Vision Pet Immune

The two PIRs of the low-mount XD variants have a dedicated volumetric field of view. The top PIR detects outwards and up, as the bottom PIR detects outwards and down. This setup of non-overlapping PIRs, alongside Tri-Signal Detection Logic, delivers highly secure sequential detection and increases its tolerance to pet immunity.



Anti-Sway Analytics

An advanced digital filter that protects against false alarm activations by distinguishing between the movement of trees and plants, from the movements of an intruder.



Blue Wave Technology (BWT)

Utilising advanced digital signal processing and precision optics, BWT enables the XD to adapt to its environment and minimise the chance of false alarm activations.



Heavy duty

Everything about the XD range has been developed for optimum outdoor reliability. Made of thick polycarbonate plastics, it is robust and protects the electronics from adverse conditions and any sabotage attempts



Weatherproof IP55

The XD range features an IP55 weatherproof rating, this means it is durable and reliable, with protection from dust ingress, high density rain, snow and water jets from any direction.



Adaptable coverage

The XD's coverage patterns can be masked to suit any installation. This is particularly useful when protecting corridors along the outside of a house, driveways and more.



Flexible installation

There are a range of mounting options for the XD, to deliver the perfect angle and coverage pattern required. The options available make the outdoor range incredibly versatile and adaptable.



Long range signalling

The high sensitivity receiver of the wireless XD variants provides a strong wireless signal in open space. The high-sensitivity antenna ensures that the signals being transmitted and received are as strong as possible. Utilising Gaussian Frequency Modulation (GFM) to spread the signal, while reducing unwanted noise and harmonics, enables the wireless XD detectors to meet stringent European, ETSI and other worldwide standards.

XD DETECTOR

TWO-WAY WIRELESS OUTDOOR DETECTOR

With perimeter protection and video verification in mind, the XDH10TT-WE and XDL12TT-WE are the ideal wireless outdoor detection solution; delivering reliable performance in fluctuating weather conditions, with flexible and simple installation.

KEY FEATURES

- ▶ Detection range of 10m and 12m
- ▶ Tri-Signal Detection Logic
- ▶ Adjustable PIR/MW range
- ▶ Dual-Vision Pet Immune (up to 35kg)
- ▶ Two-way wireless technology
- ▶ Anti-Sway Analytics

Compatible with:


AXHub

Enforcer

PCX

MX 280



	XDH10TT-WE	XDL12TT-WE
		
Features		
Installation type	XD High Mount	XD Low Mount
Optimal installation height	2.4m	1.2m
Coverage	90° volumetric lens	85° volumetric lens
Maximum range	10m	12m
Animal immunity	Up to 10kg	Up to 35kg
Specification features		
Two-way wireless		✓
Tri-signal detection logic	2 x infrared + 1 x microwave	
Automatic sensitivity		✓
Digital IFT technology		✓
Temperature compensation		Digital
3 LED indication for microwave, infrared and alarm		✓
3 different microwave frequencies		✓
Integrated walk test buzzer		✓
Tamper		✓
Electrical specifications		
Transmission frequency	868MHz, FM Transceiver	
Transmission method	128bit encrypted radio protocol	
Range in open space	1600m	
3V Lithium battery included	2x 3V 5Ah (BATT-ES1)	
Minimum battery life (years)	3	
Plastic housing material	Polycarbonate	
PCB	Anti-humidity	
Optics	Sealed	
Lens UV protection	UV Filter	
Environmental protection grade	IP55	
Other details		
Operating temperature	-25°C to +60°C	
Weight	300g	
Dimensions (H x W x D)	180 x 80 x 105mm	188 x 77 x 84mm
Certification		
EN50131	Grade 2	
Environmental class	IV	
SAP Code	361300010	361301266

To be sure these products are allowed to be sold or installed in your region, please check with you local authorities regarding regulations and accredited frequencies.
Microwave frequency information can be found on page 99.

XD COVERAGE

COVERAGE PATTERN AND FEATURES

XDH Detectors H - High mount installation 2.4m

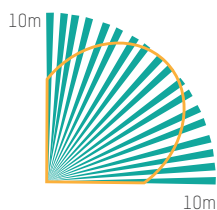
The optics of the XDH10TT-WE detector are specifically designed for maximum protection to an installation height of 2.4m: 78 zones, 5 planes, and the 90° coverage provide complete volumetric coverage of the protected area.

XDL Detectors L - Low mount installation 1.2m

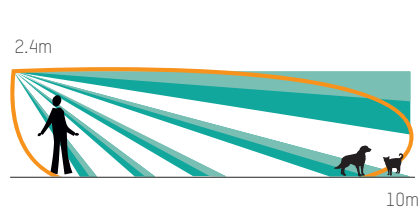
The optics of the XDL12TT-WE are designed to be installed at a low mounting height of 1.2m, while the Dual-Vision Pet Immune setup of non-overlapping PIRS, alongside Tri-Signal Detection Logic, delivers highly secure sequential detection and increases its tolerance to pet immunity.

XDH10TT-WE Lens diagrams with the XD-Lens5

Horizontal coverage

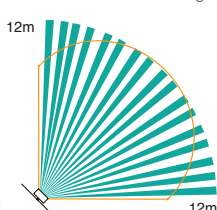


Vertical coverage

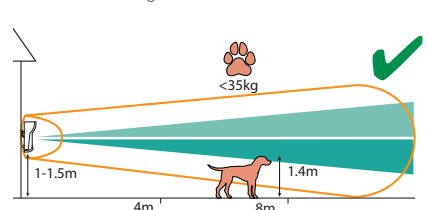


XDL12TT-WE Lens diagrams

Horizontal coverage



Vertical coverage



XD DETECTOR

WIRED OUTDOOR DETECTOR

The wired XD variants feature Anti-Interference Technology to prevent intruders from bypassing detection. This consists of anti-masking; protecting against attempts to mask any of the three sensors, alongside anti-blocking; preventing any setting of the system if something is blocking the vision of any of the sensors.

KEY FEATURES

- ▶ Tri-Signal Detection Logic
- ▶ Pet Immune
- ▶ Anti-masking
- ▶ Anti-blocking
- ▶ Anti-sway Analytics
- ▶ Blue Wave Technology (BWT)

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



	XDH10TT-AM	XDL12TT-AM
Optical and range features		
Coverage	90° volumetric coverage	85° volumetric lens
Maximum range	10m	12m
Installation type	XD High Mount	XD Low Mount
Optimal installation height	2.4m	1.2m
Adjustable anti-masking (anti-spray) technology	✓	✓
Specification features		
Anti-masking (anti-spray)	✓	✓
Anti-blocking technology	✓	✓
Animal immune	Up to 10kg	Up to 35kg
Tri-Signal 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 onboard	✓	✓
Tamper protection included	✓	✓
Electrical specifications		
Tamper protection	Front and rear	
Current consumption	23mA at rest/ 30mA in alarm	
Relay	Alarm NC, Tamper, Mask/Fault, Alarm NO	
Power	9-16VDC, 13.8VDC - 13.8VDC nominal	
Microwave frequency	9.87, 9.90, 9.91 GHz	
Direct light filter	>6500 Lux	
Optics	Sealed optics	
Protection	IP55	
Other details		
Operating temperature	-25°C to +60°C	
Weight	300g	
Dimensions (W x H x D)	77 x 118 x 84mm	
Certifications		
EN50131	Grade 2	Grade 2
Environmental class	IV	IV
SAP Code	361300079	361300882

Please check with your local authorities regarding regulations and accredited frequencies, to be sure these products are allowed to be sold or installed in your region.
Microwave frequency information can be found on page 99.

XD COVERAGE

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 an installation height of 2.4m: 78 zones, 5 planes, and the 90° coverage provide complete volumetric coverage of the protected area.

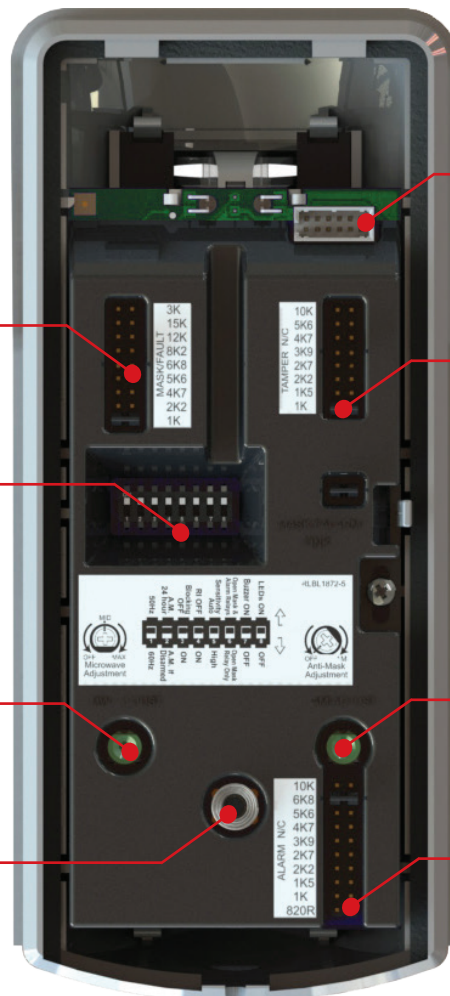
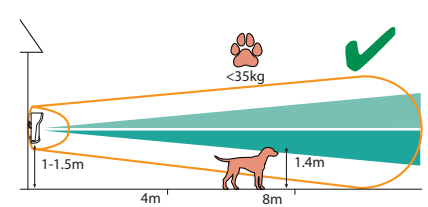
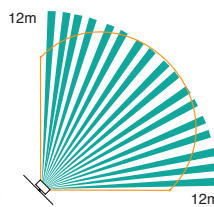
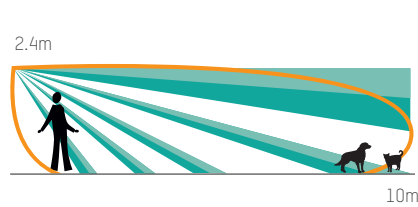
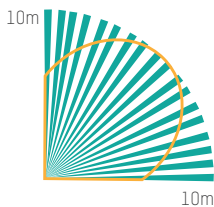
XDL Detectors L - Low mount installation 1.2m

The optics of the XDL12TT-AM are designed to be installed at a low mounting height of 1.2m, while the Dual-Vision Pet Immune setup of non-overlapping PIRs, alongside Tri-Signal Detection Logic, delivers highly secure sequential detection and increases its tolerance to pet immunity.

XDH10TT-AM Lens diagrams with the XD-Lens5

Horizontal coverage

Vertical coverage



Connector to the terminal block module

EOL resistors for the mask/fault relay

EOL resistors for the tamper relay

DIP switches for programming

Microwave range adjustment

Anti-mask range adjustment

Front and back tamper

EOL resistors for the alarm relay



ACTIVE INFRARED BEAMS

Our Active Infrared (AIR) Beam Detectors offer a comprehensive range of perimeter protection solutions for multiple application areas, from small to large indoor and outdoor coverage areas.

Most notably used for protecting large window panes, fences and walls against break-in attempts.

SECURE PERIMETER DETECTION

FROM SHORT TO LONG RANGE

Key Features



Weatherproof housing & anti-environmental interference

The Active Infrared Beams are designed with high-quality, robust and weatherproof housings (IP55) to ensure the protection of internal components and the stability of the security system over time. The beams utilise anti-frost and anti-condensation technology to ensure that the beam is uninterrupted, thus reducing false alarms.



Weather adjusting

The beams ensure stability in a variety of changing weather environments, which can be a big challenge for outdoor detection. Even if most of the beam energy is lost through fog, snow, rain, or other sources, the beams will still continue to function as normal, greatly reducing the risk of false alarms.



High-grade Fresnel lens

Using the Fresnel lens on the transmitter and receiver of the beams maintains signal stability over long distances. The lens' concentric circles make the emitted light radiation more accurate, and leads to higher performance.



Anti-interference

Utilising beam power control technology, the beams are able to minimise the risk of cross-talk and reflection on nearby walls, ensuring that false alarms are kept to a minimum. This is particularly important for certain applications where there may be a number of beams installed in areas containing large objects.

Setup and installation



LED indication

Using LED indication on the device allows for a visual indication of alignment and setup.



Buzzer alignment

This allows an audible indication of alignment which facilitates a quick and easy setup.



Optical

Used with a scope to align the beams using line of sight. This is a particularly quick and useful on smaller applications.



Optical alignment technologies

The calibration of the optical axis is extremely important for system reliability and stability. The detectors utilise 4 different alignment technologies to ensure that setup and installation are quick and easy. These include: Optics, Voltmeter, LED indications, and Buzzer. These alignment options greatly reduce installation time and ensure a quick setup. The beams also utilise fine adjustment mechanisms, such as X/Y adjustment screws and turntable adjusters, to optimum setup.



Easy installation

Hikvision's Active Infrared Beams are designed with a number of features which make installation and setup quick and simple – saving installers time and money.



Voltmeter

For aligning the beams a volt/multimeter can be used.



DS-PI-Dxx Series

Dual AIR Beam

This can be mounted to protect gates, driveways and gardens, including windows and even glass sliding doors. The detector will activate when the beam is interrupted should an intruder cross it.



DS-PI-Txx Series

Triple AIR Beam

This detector can be mounted in gardens or for up-and-over garage doors and has been designed to protect the immediate perimeter of buildings.



DS-PI-Qxx Series

Quad AIR Beam

Mounted as perimeter detection, it can detect an intruder entering the perimeter over a long distance. This makes it ideal to protect the perimeter of warehouses and logistic depots.



FM Series

The FM series have a selectable frequency, which makes stacking multiple beams on top of each other possible.

ACTIVE INFRARED BEAM

ACTIVE INFRARED BEAM FIXED FREQUENCY

The Fixed Frequency Photoelectric Beams are composed of a transmitter and a receiver. The receiver will alarm when the IR beams between the transmitter and the receiver are fully interrupted. The detector can be widely used near windows, fences and walls for intrusion detection.

KEY FEATURES

- ▶ Detection range: from 40m up to 250m
- ▶ Clear viewfinder visibility
- ▶ Fine angle adjustment for alignment
- ▶ Rain, dust and insect protection
- ▶ Frost and dew protection
- ▶ High grade aspherical lens

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



DUAL BEAM

DS-PI-Dxx Series				
	DS-PI-D40	DS-PI-D60	DS-PI-D80	DS-PI-D100
Specifications				
Alarm distance	40m	60m	80m	100m
Beams no.	2 IR LED beams intercepted simultaneously			
Dimensions (W × H × D)	82 x 171 x 77mm			
Weight	600g (Transmitter and Receiver)			
SAP Code	311800060	311800061	311800062	311800063

TRIPLE BEAM

DS-PI-Txx Series					
	DS-PI-T50	DS-PI-T100	DS-PI-T150	DS-PI-T200	DS-PI-T250
Specifications					
Alarm distance	50m	100m	150m	200m	250m
Beams no.	3 IR LED beams intercepted simultaneously				
Dimensions (W × H × D)	90 x 270 x 90mm				
Weight	1100g (Transmitter and Receiver)				
SAP Code	311800046	311800047	311800048	311800049	311800050

QUAD BEAM

DS-PI-Qxx Series					
	DS-PI-Q75	DS-PI-Q100	DS-PI-Q150	DS-PI-Q200	DS-PI-Q250
Specifications					
Alarm distance	75m	100m	150m	200m	250m
Beams no.	4 IR LED beams intercepted simultaneously				
Dimensions (W × H × D)	99 x 353 x 104mm				
Weight	1970g (Transmitter and Receiver)				
SAP Code	311800065	311800064	311800066	311800067	311800068

ACTIVE INFRARED BEAM

ACTIVE INFRARED BEAM SELECTABLE FREQUENCY

These beams have a selectable frequency, which means that multiple devices can be installed in close proximity without the issue of cross-talk causing false alarms. This is particularly useful in areas where there are large doors or windows to protect, such as warehouses.

KEY FEATURES

- ▶ Frequency modulation: Ch1-Ch4
- ▶ Detection range: 30m up to 250m
- ▶ High power dual beam
- ▶ Clear viewfinder visibility
- ▶ Fine angle adjustment for alignment
- ▶ Rain, dust and insect protection
- ▶ Frost and dew protection
- ▶ High grade aspherical lens

Compatible with:

Enforcer

PCX

MX 280

3rd
Party Products



DUAL BEAM

DS-PI-Dxx/FM Series Dual Beam Selectable Frequency					
	DS-PI-D30/FM	DS-PI-D40/FM	DS-PI-D60/FM	DS-PI-D80/FM	DS-PI-D100/FM
Specifications					
Alarm distance	30m	40m	60m	80m	100m
Beams no.	2 digital pulse IR LED beams intercepted simultaneously				
Channel choice	4 Channels CH1-CH4				
Dimensions (W × H × D)	83 × 195 × 82mm				
Weight	850g (Transmitter and Receiver)				
SAP Code	311800051	311800052	311800053	311800054	311800055

TRIPLE BEAM

DS-PI-Txx/FM Series Triple Beam Selectable Frequency				
	DS-PI-T50/FM	DS-PI-T75/FM	DS-PI-T100/FM	DS-PI-T150/FM
Specifications				
Alarm distance	50m	75m	100m	150m
Beams no.	3 digital pulse IR LED beams intercepted simultaneously			
Channel choice	4 Channels CH1-CH4			
Dimensions (W × H × D)	90 × 270 × 90mm			
Weight	1100g (Transmitter and Receiver)			
SAP Code	311800042	311800043	311800044	311800045

QUAD BEAM

DS-PI-Qxx/FM Series Quad Beam Selectable Frequency				
	DS-PI-Q100/FM	DS-PI-Q150/FM	DS-PI-Q200/FM	DS-PI-Q250/FM
Specifications				
Alarm distance	100m	150m	200m	250m
Beams no.	4 digital pulse IR LED beams intercepted simultaneously			
Channel choice	4 Channels CH1-CH4			
Dimensions (W × H × D)	99 × 353 × 104mm			
Weight	1970g (Transmitter and Receiver)			
SAP Code	311800056	311800057	311800058	311800059

A photograph of a modern building with a glass facade. The building has a large glass entrance area with a metal frame. The ground in front of the building is paved with light-colored tiles. There is a metal railing on the left side of the walkway. The image is partially obscured by a large white circle on the left side, which contains text.

RADAR

The range features phased array technology, pulse doppler and low-power FMCW modulation technology for intrusion detection. It supports multi-target positioning, tracing and multiple linked cameras tracking, whilst through intelligent algorithm analysis it filters out false alarms.

SECURITY RADAR

ULTRA-ACCURATE INTRUSION DETECTION IN ALL WEATHERS

Where traditional cameras or motion detectors have limitations in pinpointing a potential intruder's exact location, Hikvision's Security Radar delivers accurate detection over a wide angle and up to a distance of 120m.

KEY FEATURES

- ▶ Detection range: 60m / 120m
- ▶ 8 / 16 user-defined zones
- ▶ Up to 32 / 64 targets
- ▶ Up to 4 PTZ cameras linkage
- ▶ 24GHz (K-band)
- ▶ Pet-immunity: 20kg
- ▶ IP67

Compatible with:



	DS-PR1-60	DS-PR120
Specifications		
Modulation	Frequency Modulated Continuous Wave	
Detection range	60m	Human: 120m / Vehicle: 150m
Horizontal angle	100°	120°
Range measurement accuracy	±0.75m	±1.5m
Angle measurement accuracy	±1°	±1°
Velocity range	-8.7 - 8.7m/s	-9.8 - 9.8m/s
Max. target number	32	64
User-defined detection zones	8	16
Frequency	24GHz	24.050 - 24.250GHz
Transmission power	<20dBm (100mW)	
Alarm output		
Relay output NO/NC	3-channel : 0.5A/125VAC, breakdown / voltage : 1KV 1-channel : 10A/240VAC, breakdown / voltage : 2.5KV	3-channel : Max. 1A/30VDC 1-channel : Max. 10A/28VDC
Communication protocol		
Network protocol	HTTP, DNS, NTP, TCP, UDP, DHCP, ARP, SSH	HTTP, DNS, NTP, TCP, UDP, DHCP, ARP, SSH Standard ISAPI protocol
Network interface	1 RJ45 10M/100M self-adaptive, PoE	
Power		
Consumption	<10W	<8W
Operation temperature	-40 °C to 65 °C	
Operation humidity	10% to 90%	
Dimensions (W x H x D)	206 × 228 × 61mm	
Protection level	IP67	
IK level	IK09	
Weight	1.84kg (4.06lb)	1.9kg (4.2lb)
Approvals		
Radar	EN 3004400	
EMC	EN 50130-4, EN 55032, EN 55024, EN61000-3-2, EN61000-3-3	
RED	ETSI EN 301 489-1, ETSI EN 301 489-3, ETSI EN 300 440, EN 62311, EN 60950-1	
Safety	IEC 60529 IP67, IEC 62262 IK09	
SAP Code	302401144	

For more accessories, please see page 95.

SIRENS

WIRED AND TWO-WAY

WIRELESS SIRENS

DELTABELL PLUS

BACKLIT EXTERNAL SIREN



Visual and audible deterrent

The Deltabell Plus is a fully backlit external siren that will create an effective visual alarm on any property when an alarm occurs, as well as produce a distinctive audible warning.



Status LEDs

The status LEDs flash alternately to indicate the live operation of the siren. These can also be disabled if required.



Sabotage protection

In case of any sabotage attempts, the Deltabell Plus has front and rear tamper protection.



All around protection

The electronic components on the printed circuit board are protected by a fully sealed unit with a rubber gasket. This provides added protection in harsh environments and gives installers and users peace of mind that the Deltabell Plus will always sound in the event of an alarm activation.

DELTABELL X

WITH OPTIONAL LIGHTBOX



Visual and audible deterrent

The Deltabell X with optional Lightbox provides a superior visual and audible deterrent day or night. The Lightbox provides superior lighting to the front of the siren. Not only that but when an alarm is triggered it will strobe while its twin piezo sirens produce a high decibel warning.



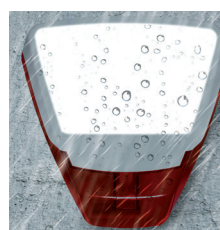
Status LEDs

The status LEDs flash alternately to indicate the live operation of the siren. These can also be disabled.



Beat the burglar with tamper protection

This ensures that maximum security is maintained against accidental or malicious tampering of the system. Any sabotage attempts from the front or back, or power supply cut off, will result in an activation independently from the control panel.



Protected whatever the weather

The electronic components on the printed circuit board are protected by a fully sealed unit with a rubber gasket. This provides added protection in harsh environments and gives peace of mind that the Deltabell X will always sound in the event of an alarm activation.

DELTABELL

WIRED AND WIRELESS OUTDOOR SIREN

Providing an attractive around-the-clock visual deterrent, the Deltabell range offers multiple colour, screen printing, piezo and backlight options, as well as enhanced installation features, to provide the perfect siren solution.



DELTABELL-WE



Key features

Type	Wireless
Sound output	98dB
Number of piezos elements	1
Strobe LED	✓
Engineer hold off	✓
Comfort LED	✓
Front and rear tamper protection	✓
3V / 5Ah Lithium battery included	2x BATT-ES1
Signal Strength Indicators (SSI)	✓
Minimum battery life (years)	2
Warranty (years)	2

Accessories

Polycarbonate base	✓
Cover sold separately	✓

Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	IV

Compatible with:



DELTABELL X



Key features

Sound output	106dB
Number of piezos elements	2
Strobe LED	✓
Comfort LED	✓
Optional backlight with DELTAX-LIGHT module	✓
Engineer hold off	✓
Rechargeable battery included	✓
Tamper protection included	✓
Warranty (years)	2

Electrical specifications

Power	9-16VDC
Strobe duration	10mS
Frequency	1Hz
Current consumption	90mA at rest / 300mA in alarm

Certifications

Electrical conformity	CE
EN50131	Grade 2
Environmental class	IV

Compatible with:



	SAP code	Part Code	Description
	361301792	DELTABA-CW-WE	Wireless Deltabell kit amber with white cover
	361301793	DELTABB-CW-WE	Wireless Deltabell kit blue with white cover
	361301794	DELTABR-CW-WE	Wireless Deltabell kit red with white cover
	361301795	FPFELTAE-BA-CW	Wired Deltabell kit amber with white cover
	361301796	FPFELTAE-BB-CW	Wired Deltabell kit blue with white cover
	361301797	FPFELTAE-BR-CW	Wired Deltabell kit red with white cover
	361301798	FPFELTAX-BA-CW	Wired Deltabell X kit amber with white cover
	361301799	FPFELTAX-BB-CW	Wired Deltabell X kit blue with white cover
	361301800	FPFELTAX-BR-CW	Wired Deltabell X kit red with white cover



ACCESSORIES

BATTERIES, BRACKETS, LENSES










AND PERIPHERALS

ACCESSORIES

PROGRAMMING CABLES

RS232	RS232USB
	
RS232 programming cable	USB to RS232 converter cable
361300026	361300027

BATTERIES







	BATT-ENF8XAA	BATT-ESI	BATT-CR34615D	BATT-CR123A	AA	BATT-CR2	BATT-KF1215	BATT-CR/KF1	BATT-CR1/3N
									
	9.6V, 2Ah battery	3V, 5Ah Lithium battery	3V, 11Ah Lithium battery	CR123A, 3V Lithium battery	Double AA battery	CR2, 3V Lithium battery	3V Lithium powercap battery	3v Lithium powercap battery	3V powercap battery
Panel									
ENFORCER	1								
Keypad									
LEDRKP/WHITE-WE		1							
Sirens									
DELTABELL-WE		2							
DETABELL-WE MK(I)			1						
Detectors									
XDL12TT-WE	2								
KX10DP-WE				1					
KX10DTP-WE				2					
KX12DT-WE				2					
KX12DQ-WE				1					
KX15DC-WE				1					
KX25LR-WE				1					
MC1MINI-WE				1					
MC1/SHOCK-WE				1					
SMOKE-WE				1					
CO-WE					2				
MC2-WE						1			
WL-WE						1			
Keyfobs									
KF4-WE MK I*									1
Keyfob MK II*								1	
KEYFOB-WE							1	1	
HUD/MED-WE							1	1	
SAP Code	361300036	361300030	361300031	361300034	-	361300035	361300167	361300032	361300033

*Products are end of line.





ACCESSORIES

BRACKETS AND LENSES









KX DETECTORS

KXBRACKET-C	KXBRACKET-W	KX15-VL	KX18-LC	KX30-LR	KX-TAMPER
					
10 x Ceiling bracket for the KX range	10 x Wall bracket for the KX range	3 x Replacement volumetric lens for KX 15m	3 x Replacement curtain lens for KX 18m	3 x Replacement long range lens for KX 30m	10 x Tamper kit for the KX brackets
361300066	361300065	361300011	361300064	361300063	-



XD DETECTORS

XD-WALLBRACKET	XD-45D ADAPTER	XD-FIXEDBRACKET	XD-LENS5
			
Adjustable wall bracket +/- 45° with anti-tamper protection. This allows for better volumetric coverage.	45° adapter for use with the XD-WALLBRACKET. This allows the XD detectors to be positioned at 90° to the wall for protection of walls.	Wall bracket with rear tamper. This can be used to create 30m coverage protection of outdoor walls.	Volumetric lens for the XDH. Installation 2.4m, 85°, 10m detection distance. (3pcs)
361300068	361300070	361300069	361300013

CONTACTS

MC1MINI-SPACER	MC1S/SPACER	MC-BROWN-KIT	MC1/SHOCKBR-KIT
			
White spacer* kit for the MC1MINI-WE	White spacer* kit for the MC1/SHOCK-WE	Brown plastics kit for MC1-WE, MC2-WE, RS1-WE, RS2-WE.	Brown 10 x fronts and 10 x backs for MC1/SHOCK-WE
361300046	361300044	361301259	361300048
MC1MINI-SPACERBR	MC1S/SPACERB	MC1MINIBR-KIT	MAGNETBR-KIT
			
Brown spacer* kit for the MC1MINI-WE	Brown spacer* kit for the MC1/SHOCKBR-WE	Brown 10 x fronts and 10 x backs for MC1MINI-WE	Brown 20 x magnet plastics kit
361300045	361300043	361300118	361300120

HUD/MED-WE BRACKETS

WALL BRACKET	BELT CLIP
	












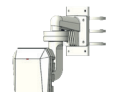

























TAGS

EUR-PTAG

5 x Proximity tag for the Enforcer and PCX
361300089

ACCESSORIES PERIPHERALS

RADAR BRACKETS AND INSTALLATION OPTIONS

Installation	Independent ceiling installation	Independent simple wall mount installation	Independent ceiling installation with junction box	Radar-PTZ linkage
Diagram				
Brackets SAP Code	 Included in Radar package	 SAP code: 302401268 Model: DS-PRB-1110	 Included in Radar package	 Included in Radar package
			 SAP code: 302700579 Model: DS-1280ZJ-S	 SAP code: 302700928 Model: DS-2213ZJ
Installation	Independent wall mount installation	Independent pole mount installation	Independent horizontal pole mount installation	Independent horizontal pole mount installation
Diagram				
Brackets SAP Code	 Included in Radar package	 Included in Radar package	 Included in Radar package	 Included in Radar package
	 SAP code: coming soon Model: DS-PRB-1120	 SAP code: coming soon Model: DS-PRB-1120	 SAP code: 302401266 Model: DS-PRB-1200	 SAP code: 302401266 Model: DS-PRB-1200
	 SAP code: 302700326 Model: DS-1273ZJ-130	 SAP code: 302700326 Model: DS-1273ZJ-130		
		 SAP code: 302401266 Model: DS-PRB-1200		
Installation	Independent horizontal pole mount installation with junction box	Radar-PTZ linkage horizontal pole mount installation	Independent simple pole mount installation	Independent simple horizontal pole mount installation
Diagram				
Brackets SAP Code	 Included in Radar package	 Included in Radar package	 SAP code: 302401264 Model: DS-PRB-1310	 SAP code: 302401264 Model: DS-PRB-1310
	 SAP code: 302700579 Model: DS-1280ZJ-S	 SAP code: 302401262 Model: DS-PRB-2200		
	 SAP code: 302401266 Model: DS-PRB-1200	 SAP code: 302700179 Model: DS-1661ZJ		

ACCESSORIES

MICROWAVE FREQUENCY

Frequencies (Ghz)	Countries
9.2-9.5	DE
9.9	AT, BE, CH, CY, CZ, DK, EE, EI, FI, FR, HR, HU, IE, IS, IT, LT, LU, LV, MT, NL, PL, PT, SI, TR, UAE
10.525	BE, BR, CH, CY, DK, ES, HU, IE, IS, IT, LU, MT, MY, NL, NO, SE, SI, UAE, USA
10.587 (indoor and outdoor)	LU, MY, UK
10.687 (indoor) withdrawn for new installations	UK, MY

ISO 2 letter country code	Countries
AT	Austria
BE	Belgium
BR	Brazil
CH	Switzerland
CY	Cyprus
CZ	Czech Republic
DE	Germany
DK	Denmark
EE	Estonia
ES	Spain
FI	Finland
FR	France
UK	Great Britain (United Kingdom)
EI	Greece
HR	Croatia
HU	Hungary
IE	Ireland
IS	Iceland
IT	Italy
LT	Lithuania
MT	Malta
MY	Malaysia
NL	Netherlands
NO	Norway
PL	Poland
PT	Portugal
SE	Sweden
SI	Slovenia
TR	Turkey
UAE	United Arab Emirates
USA	United States of America



2020

EU ALARM PRODUCT CATALOGUE

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