

# UK & Ireland

Product Catalogue

# 2024/25

Edition 2



# UK Manufacturing

At Pyronix, we offer industry leading security solutions that are built in the UK at our production site in Rotherham, South Yorkshire. We pride ourselves on the reliability of our products in both usability and build quality as well as the robustness of our supply chain; the sites in Rotherham are the centrepiece of maintaining these high standards.



## Investments in the Factory

We focus on continuous improvement in the factory which is shown by our investments of time and finance into both our skilled staff and the machinery they use. This allows us to achieve and maintain quality levels which exceed industry standards, whilst enabling rapid and efficient manufacturing to deliver our products to distributor's shelves 'on time, in full'.

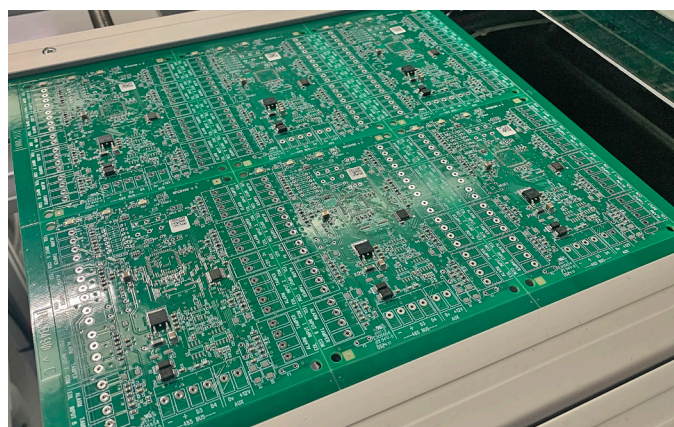
Over recent years, we've invested heavily in state-of-the-art machinery that ensures consistency in the quality of our products. One such improvement was the recent upgrade of our SMT line to incorporate a cutting edge Fuji AIMEX 3 machine and a fully Automated Optical Inspection (AOI) machine.

***"an incredibly high level of quality on our surface mount assemblies"***

These new machines allow us to have an incredibly high level of quality on our surface mount

assemblies and tweak inspection parameters on a job-to-job basis. This means that any test results that aren't up to the standards we expect are quickly identified and adjustments are made to entirely eradicate issues.

However, the most essential part of the high-quality manufacturing culture we promote at Pyronix is investing in and nurturing our skilled engineering team without whom we could not manufacture at the scale that we do. The skill of the staff is constantly being improved upon so that all members of the team are working in way that is continuously evolving. Our people remain our number one asset in helping us to complete millions of electronic assemblies over the years at our Rotherham site.



## Connections to the community



**skills for security**  
tomorrow's engineers today

With our roots in the Rotherham area comes not just the ethos and history of our business, but also our impact on the local community. We're proud to sponsor a variety of local initiatives including sports teams like Rotherham Titans and Rotherham United FC as well as grassroots junior teams in the area.

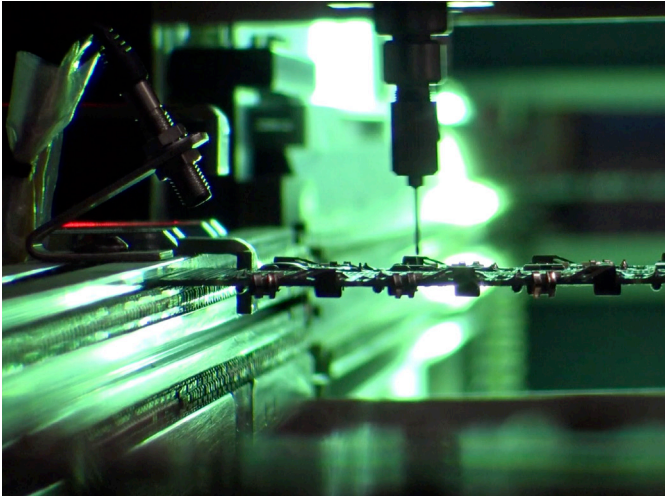
***"we're proud to sponsor a variety of local initiatives"***

Furthermore, our ongoing partnership with Skills for Security helps us to ensure the future of our industry; we're supporting young apprentices and the professional installers of tomorrow!

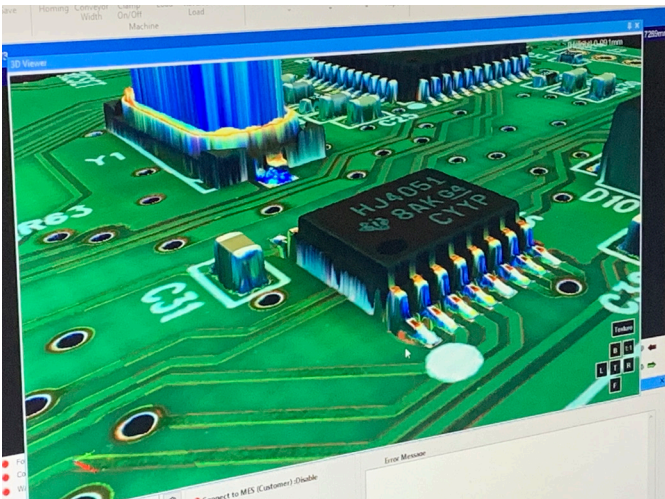
## Interview with Conn

Recently we interviewed Conn Crawford, a key member of our manufacturing team who plays a central role in the continuous development of our production sites.

You can find this interview along with a range of other articles, on our website.



Did you know our conformal coating machine is capable of coating 200 products per hour!



All our PCBs are inspected by our Automated Optical Inspection machine at industry leading inspection speeds of 65 cm<sup>3</sup>/second.



Our AIMEX Surface Mount Assembly places up to 37,000 components per hour onto PCBs, with an accuracy up to 0.025mm!

# The CarDefender

Combat the rising trend of vehicle theft.

Data obtained from ONS website and Aviva website

**123k**  
reports of car  
crime

**337**  
average  
per day

**29%**  
increase  
year-on-year

Thefts of  
keyless vehicles  
**2x**  
more likely

With the ever-increasing impact of the cost of living crisis, the surge in car thefts is likely to continue.

The CarDefender offers a first line of defence in safeguarding vehicles at home.

When linked to the property's security system, the wireless device triggers with any attempt to break into the car, sending a notification direct to the user via HomeControl2.0.



It's easy to configure, offers three detection modes, and features a high-visibility silicone mount for added deterrence.

**Stay ahead in the battle against theft and secure vehicles for added peace of mind.**

**CARDEFENDER-WE**



[for more information  
scan here](#)



LATEST FEATURES

# HOMECONTROL2.0



[for more information scan here](#)

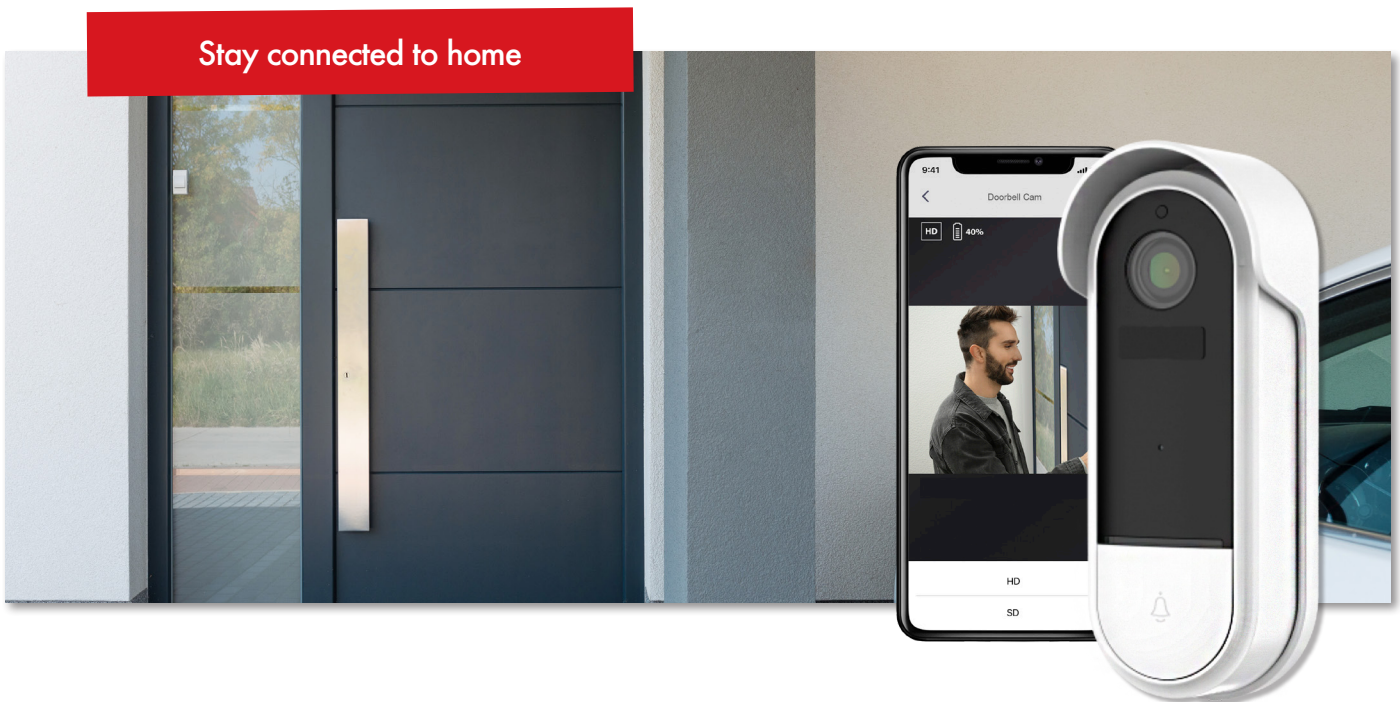
## DoorbellCam

Monitor, view and speak to visitors at any time, from anywhere

Versatile, robust and convenient, the Pyronix HomeControl DoorbellCam is our new outdoor, wire-free doorbell camera that offers main-entrance protection and two-way communication.

The battery-powered doorbell camera comes with Full-HD video, 130 degree wide-angle view, motion detection, real-time notifications and push-to-talk function. With these helpful features, users are able to see exactly what's happening on the doorstep and can answer the door, even when they're not there.

Open the door to new sales opportunities with the Pyronix DoorbellCam.



## Extending the capabilities of security control

Built on a new and intuitive interface, HomeControl2.0 makes security easy, convenient and simple for both you and your users, while delivering extensive protection and peace of mind.

With new features such as geofence alerts and biometric login, HomeControl2.0 offers a completely new level of monitoring, control, interactivity and a great upselling opportunity.

### Geofence alerts



Arming/disarming reminders programmable from 100m to 1000m away from the property.

### Great new look and feel



Makes controlling and managing the alarm system fast and easy.

### Biometric login



Logging into the system has never been easier or simpler.

# Personal Help Alarm

Protecting people with HomeControl2.0's new functionality, the Personal Help Alarm

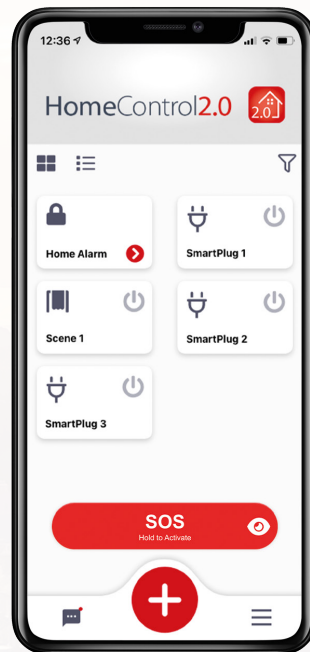
Pressing the SOS button in HomeControl2.0 sends an instant push notification to a user's contact bubble, alerting to distress and sharing their geolocation.



**Raise the alarm, fast**



**Get directions with Google and Apple maps**



**No continuous tracking**



**Create and manage your security bubble**

# SmartPlug

Enter the Smart home market with the SmartPlug

Add greater upsell opportunities to your product offering and deliver value-added integration with the SmartPlug.

Make users lives easier by automating, activating and switching devices on and off via the Android/ Tablet with HomeControlHUB app. You can even create scenes to deliver the exact functions your customers want. Embrace the potential.

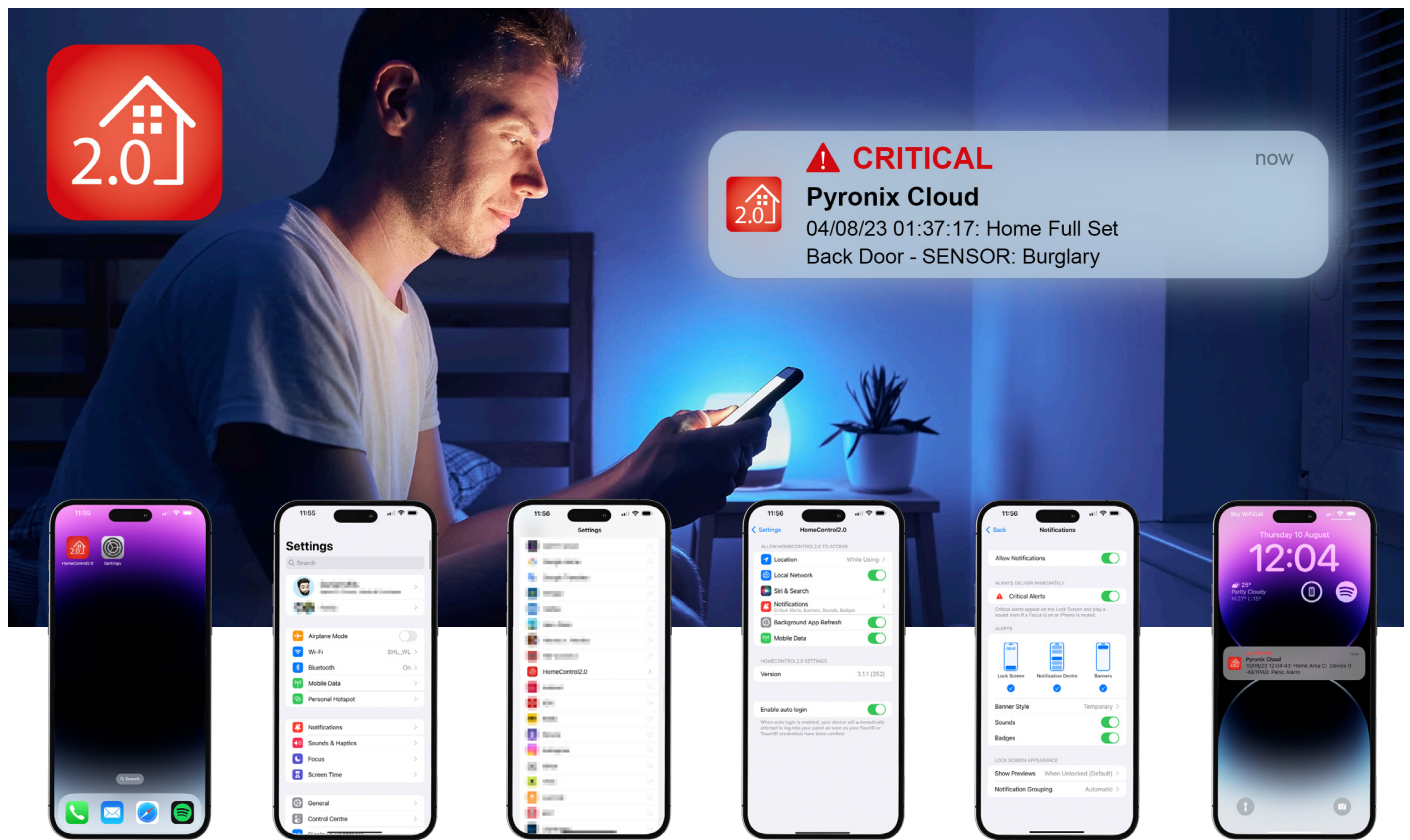
HomeControl2.0



# Critical Alerts



We've updated the app with a new Bypass Do Not Disturb mode, which you can turn on or off in settings.



1. Open 'Settings' on your device
2. Scroll down on 'Settings' until you find 'HomeControl2.0'.
3. When you find HomeControl2.0, select it.
4. Select 'Notifications'.
5. Tap the slider next to 'Critical Alerts' to enable/disable them.
6. Push notifications will now display a 'Critical' warning with a red triangle.

## Keeping your users connected and in control

App connectivity enables users to control and manage their alarm system from one simple-to-use interface. Deliver the perfect solution to suit the needs and preferences of your customers with Pyronix.

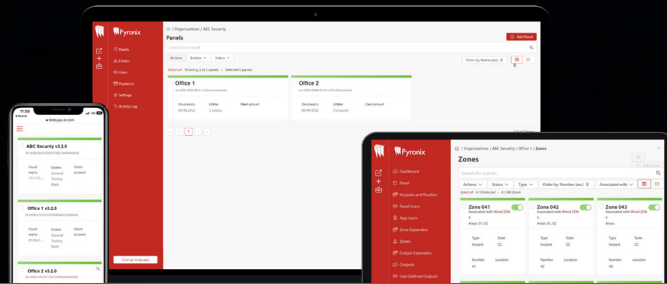
### App compatibility

Device	Alarm	Hikvision Cameras	Doorbell & BatteryCam2	Automation
HomeControl2.0	✓	Coming soon	✓	✓
AndroidTablet with HomeControlHUB	✓	✓	-	✓
ProControl+	✓	✓	-	-

COMING  
SOON

# InSite Pro Tools

The next generation of PyronixCloud and InSite;  
all together in one place.



The next generation of security technology

InSite   
ProCloud

The new platform for all of your cloud settings, including panel configuration and app user pages.

Remotely program your panels, diagnose, and solve issues, without any need to upload settings offline and send back to the panel.

InSite   
ProLocal

Configure panel settings quickly and easily on-site.

InSite Pro Local is the new web browser interface we've built into our Enforcer X 280 control panel to help make installation and set-up a breeze.



COMING  
SOON

# Enforcer X 280

A whole new experience in commercial  
and large-residential security.

Introducing our newest, app-connected panel.

With 99 areas and 4 levels per area, the Enforcer X 280 has been developed to deliver a whole new experience in commercial and large-residential security solutions for installers and integrators.



App connectivity



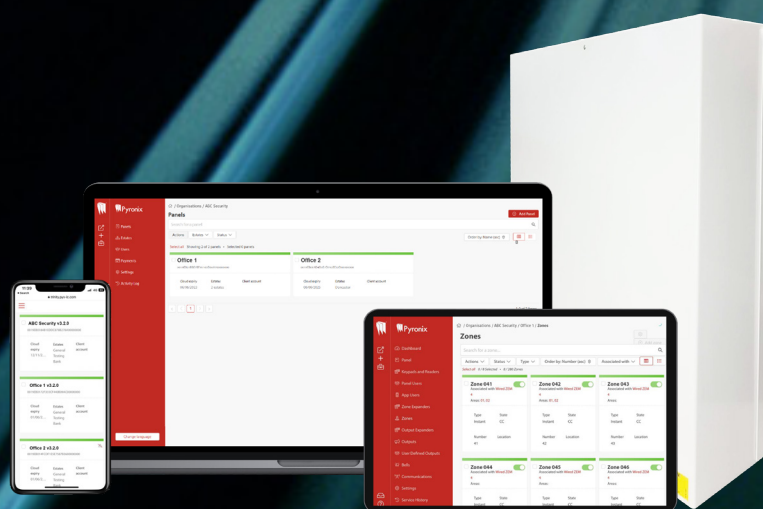
Zone Scan



Over-the-Air



BUS Scan



For more information go to page 22

# PyronixCloud

## Online system gateway and recurring revenue platform.

Acting as the online administration software for Pyronix IP systems, PyronixCloud is a gateway for managing your estate of control panels. From here, you can manage app users, push notifications, and recurring revenue streams. PyronixCloud also acts as the security gateway between the HomeControl2.0, HomeControlHUB and ProControl+ apps and other applications like InSite; authenticating connections to maintain maximum security.



### Remote diagnostics and control

PyronixCloud allows the remote programming and diagnosis of systems using our InSite UDL software. This saves time, money and increases the number of installations that can be completed.



### High security encryption

With PyronixCloud maximum security is maintained, with all communications encrypted to the same accepted level of standard encryption as some banking and government institutions, with no sensitive user data stored on the cloud.



### Increase profitability

Streams of recurring revenue can be established by offering PyronixCloud management services; with either yourself managing this or passing access to users. The ongoing use of the smart device apps increases customer retention and makes the system more profitable.



### Reliability

PyronixCloud monitors the presence of the Enforcer and EURO systems through polling, over secure IP communications. The polling frequency can be changed in PyronixCloud depending on the network quality.



### App customisation

With PyronixCloud, you can add your logo to the home screen of your HomeControl2.0, HomeControlHUB and ProControl+ apps; enhancing your users' experience by delivering a professional, uniquely branded finish.



### Push notifications

Using PyronixCloud infrastructure enables the customisation of the push and voice push notifications that each HomeControl2.0 and ProControl+ user receives, when certain events occur on the system.



### No complicated port forwarding

By connecting through the cloud server, there is no on-site setup of static IP addresses or configuration of network connection. Instead you simply set up an account on PyronixCloud.com.



InSite

## Remote maintenance software

Enabling authorised remote access to Enforcer and EURO control panels, to monitor alarm events, diagnose potential faults and view the entire electrical status of the system.

You can verify the functionality of your user's security systems for complete confidence and peace of mind.



### Remote programming and diagnostics with InSite UDL

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, you can carry out both remote and local programming, maintenance and diagnostics. This is particularly useful on large-scale systems, whereby you can pinpoint any issues to maximise efficiency of the system, as well as any necessary site visits.



### Multiple communication paths

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



### Automatic remote maintenance and diagnostics

InSite provides you with the ability to make alterations, as well as access a full database of every client, including their complete system configuration, and much more. Systems can even be scheduled to automatically perform one of the compulsory twice-yearly maintenance calls via InSite; recording the result and comparing with initial readings.



### 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.



### [www.pyronix.co.uk](http://www.pyronix.co.uk)

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

## LightCamera



### High definition video

The LightCamera delivers Full-HD video via live view and playback through the user's home Wi-Fi network via the ProControl+ smart device application or HomeControlHUB app on the Android Tablet.

### Crystal clear video, even in complete darkness

Changing light conditions are no match, with the LightCamera automatically switching between day and night mode for optimum coverage even on the darkest of nights. Meanwhile, 3D DNR (3D Digital Noise Reduction) reduces the noise effect in low light to deliver clear Full-HD images up to 18m.

### Pinpoint protection of what matters most

Fully customise detection areas, alarm responses and motion sensitivity, to deliver the exact level of protection and notifications required.

### Illuminate any potential intrusion

The LightCamera has a 270° PIR sensor along with dual lights that produce a powerful combined brightness of 2500 lumens, to put any intruder in the spotlight.

### Security and video on demand, from anywhere

Using ProControl+, users can access the LightCamera from anywhere via their smart device. If combined with outdoor detectors, the LightCamera can deliver voice push and video verification clips; allowing users to take action by sounding the siren or speaking through two-way talk. Notification schedules can also be configured to suit the user's lifestyle.

### Built to last and perform

The LightCamera boasts an IP65 weatherproof rating, making it dust tight and capable of withstanding severe weather conditions, including projected water.

#### LightCamera

Camera colours and partcodes	
LIGHT-CAM/wht	✓
LIGHT-CAM/blk	✓
Camera specifications	
Resolution	1080p
Field of view	140° (Diagonal), 115° (Horizontal)
Max. resolution	1920 x 1080p (25fps)
Frame rate	50Hz@25fps, Adaptive frame rate of network transmission
Video compression	H.264
IR range	Up to 18m
Backlight compensation (BLC)	✓
DNR	3D DNR
Motion detection (by camera)	✓
PIR Sensor parameters	
PIR motion detection distance	✓
PIR detection distance	✓
PIR detection distance	9m
PIR detection range	270°
Light parameters	
Lights	2
LED	SMD LED
Brightness	2500LM (-10%)
Other technical specifications	
Audio input & output	Built-in omni-direction microphone
Audio output	Built-in loudspeaker
Local storage	Support Micro SD card (Up to 128GB)
Siren	100-decibel alarm
Network parameters	
Wireless	Wireless 802.11 b/g/n @2.4GHz only (2T2R, Dual-antenna)
Network configuration	Soft AP configuration
Minimum network requirement	2.0 Mbps
Environmental and operating feature	
Operating conditions	-30°C to +50°C
Power supply	Hardwired (110V - 240V)
Power consumption	≤2W (normal), ≤8W (max)
Dimensions (W x H x D)	196mm x 211 mm x 277mm
Weight	1757g
Certifications and warranty	
Electrical conformity	CE
Warranty	1 year

### Local recording with SD card compatibility\*

The LightCamera supports MicroSD cards up to 128GB for constant video recording. This allows the user to view footage from any time of day by simply scrolling their finger across the playback timeline to the required time. It won't miss a thing.

\*SD card not provided.



[for more information scan here](#)

## HomeControl DoorbellCam



### Monitor, view and speak to visitors at any time, from anywhere.

Versatile, robust and convenient, the Pyronix HomeControl DoorbellCam is our outdoor, wire-free doorbell camera that offers main-entrance protection and two-way communication.

The battery-powered doorbell camera comes with Full-HD video, 130 degree wide-angle view, motion detection, real-time notifications and push to talk function. With these helpful features, users are able to see exactly what's happening on the doorstep and can answer the door, even when they're not there.

Open the door to new sales opportunities with the Pyronix DoorbellCam.

## Doorbell Bracket



### Designed to achieve the optimal angle for crystal-clear front door footage

The new bracket allows you to adjust the camera's angle, increasing motion detection functionality in many cases and enabling users to identify and engage with visitors, deliveries, and security concerns more effectively, thanks to improved visibility.

What's more, installation is quick and easy with just two screws to secure it to the wall, and an additional four to attach the DoorbellCam to the bracket.

Partcode	DOORBELL/CAM
<b>Camera</b>	
Image Sensor	1/2.9" 2Megapixel CMOS
Effective Pixels	1920(H) x 1080(V)
Shutter	1/15~1/10,000s
Min. Illumination	Color 0.1Lux@F2.0, Black/White 0.01Lux@F2.0
IR Distance	Night visibility up to 10m
Day/Night	Auto(ICR)/Colour/B&W
WDR	DWDR
Lens & FOV(D)	3.2mm@F2.0,130°
<b>Video &amp; Audio</b>	
Compression	H.264
Bit Rate	32Kbps~2Mbps
Frame Rate	1~25fps
Dual Stream	Yes
Audio Input/Output	Built-in mic/speaker
<b>Network</b>	
Alarm Trigger	Button triggering, PIR detection
Wireless Security	64/128-bit WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Communication Protocol	HTTP, DHCP, DNS, TCP/IP
Interface Protocol	Private
Wireless	2.4G Wi-Fi (IEEE802.11b/g/n)
Mobile Phone OS	iOS 9 or later, Android 7 or later
Security	AES128
Max. User Access	4
<b>Battery &amp; PIR</b>	
Capacity	6700mAh rechargeable Li batteries
Stand-by Current	200-800 µA (average)
Working Current	150-200 mA (IR off)
Stand-by Time	upto 10 months
Working Time	3 months (10 times wake up per day)
PIR Detection Range	Max. 5m
PIR Angle	100°
<b>General</b>	
Operating Temperature	-20 °C to 50 °C
IP Rating	IP65
Power Supply	DC 5V/1A, AC 12~24V
Power Consumption	Max. 2W
Storage	SD card(Max.128GB)
Optional Accessory	Wireless Chime
Dimensions	57 x 41 x 145 mm
Net Weight	200g
<b>Order codes</b>	
DOORBELL/KIT-SDC	Doorbell Camera, Chime, SD card
DOORBELL/CAM	Doorbell Camera
DOORBELL/CHIME	Chime
DOORBELL/BRACKET	Bracket



[for more information scan here](#)

## DoorbellChime



### Hear audible alerts at home

Real-time notifications for the DoorbellCam are made audible with the DoorbellChime.

The battery-powered sounder has been designed for full audio coverage throughout the property, offering four levels of volume. Up to four chimes can be positioned within a property, so homeowners can remain assured they'll always hear a caller.

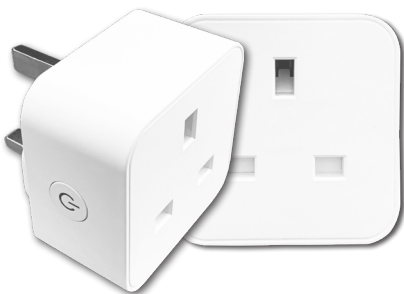
Partcode	DOORBELL/CHIME
<b>General</b>	
Power	3 x AA LR6 1.5V batteries
Reset	Support
Ringtone	4 optional melodies
Volume	Adjustable
Frequency	433/868/915MHz
Transmission Distance	Max. 100m (No obstacle)
Dimensions	75 x 75 x 32mm
Weight	80g

## SmartPlug

### Enter the Smart home market with the SmartPlug

Add greater upsell opportunities to your product offering and deliver value-added integration with the SmartPlug.

Make your users lives easier by automating, activating and switching devices on and off via the AndroidTablet with HomeControlHUB app. You can even create scenes to deliver the exact functions your customers want. Embrace the potential.



Partcode	SMARTPLUG
SmartPlug	
<b>Key features</b>	
HomeControlHUB compatible	✓
Casing material	PC+ABS, fire-proof level V0
Indicator LED	Blue
<b>Electrical specifications</b>	
Input voltage	100 - 240VAC
Input frequency	50/60Hz
Maximum load	13A, 2990W general use
<b>Wireless specifications</b>	
Wi-Fi standards	802.11 b/g/n
Wi-Fi frequency	2.4GHz
<b>Temperature</b>	
Operating	-20°C to 50°C
Storage	-40°C to 80°C
<b>Dimensions (W x H x D) and weight</b>	
Dimensions	58 x 58 x 39mm (excluding pins)
Weight	85g
<b>Certifications</b>	
Electrical conformity	CE
Other	ROHS

## BatteryCam2



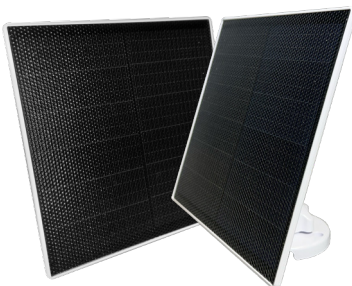
### Vivid colour surveillance, with added deterrence.

Enjoy vivid colour surveillance day and night with the fully wireless BatteryCam2. With easy installation using magnetic or bracket mounts, continuous power via \*SolarPanel2, \*32GB micro SD storage, reliable IP65 weatherproofing, onboard siren and front white light for enhanced deterrence, our newest Wi-Fi camera is ideal for effective internal and external security solutions.

#### Order codes

BATTERY/CAM2	Battery Camera
SOLARPANEL2	Solar Panel
BATTERYCAM/KIT-SD-SOL2	BatteryCam2, SolarPanel2, SD Card
SDCARD-32	32GB SD card

## SolarPanel2



### Continuous power for continuous protection

When connected to the BatteryCam2, the easy-to-install SolarPanel2 eliminates the hassle of removing and recharging the camera. This compact, modern addition provides worry-free, convenient surveillance. Connect and forget.

Partcode	BATTERY/CAM2
<b>Camera</b>	
Image Sensor	1/2.9" 3 Megapixel CMOS
Effective pixels	2304(H) x 1296(V)
Shutter	1/15~1/10,000s
Min luminance	Colour 0.1 Lux@F2.0, Black/White 0.01 Lux@F2.0
IR distance	Night visibility up to 10m
Day/Night	Auto(ICR)/Colour/B&W
WDR	DWDR
Lens	3.2mm@F2.0, 130°
<b>Video &amp; Audio</b>	
Compression	H.264
Bit rate	32Kbps~2Mbps
Frame rate	1~25fps
Dual stream	Yes
Audio input/output	Built-in mic/speaker
<b>Network</b>	
Alarm trigger	PIR human-body detection
Communication protocol	HTTP, DHCP, DNS, TCP/IP
Interface protocol	Private
Wireless	2.4G WIFI (IEEE802.11b/g/n)
Security	AES128
Wireless security	64/128-bit WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Max user access	4
<b>Battery &amp; PIR</b>	
Capacity	9600mAh rechargeable Li batteries
Stand-by current	200-800 $\mu$ A (average)
Working current	150-200 mA (IR off)
Stand-by time	6 months
Working time	2-3 months (varies based on settings, usage & temperature)
PIR detection range	Max. 9m
PIR angle	120°
<b>General</b>	
Operating temperature	-20°C to 50°C
IP rating	IP65
Power supply	DC 5V/1A
Power consumption	Max. 2W
*Optional accessory	SolarPanel2 32GB SD card
Storage	SD card (Max.128GB)
Dimensions (W x H x D)	57 x 63 x 100mm
Net weight	235g
Partcode	SOLARPANEL2
<b>General</b>	
Maximum power (Pmax)	5W
Tolerance	$\pm$ 3%
Maximum power voltage (Vmp)	5.3V
Maximum power current (Imp)	0.83A
Working temperature	-20°C to 50°C
IP rating	IP65
Cable length	3m
Dimensions - Panel	178 x 228 x 12mm
- Stand	60 x 90mm $\varnothing$
Net weight	305g

## Enforcer V11



"Intruder Product of the Year"

The most advanced Pyronix system released to date, the Enforcer V11 is fully EN50131 and PD6662 approved for any Grade 2 installation, while delivering security, automation and video for any user preferences.





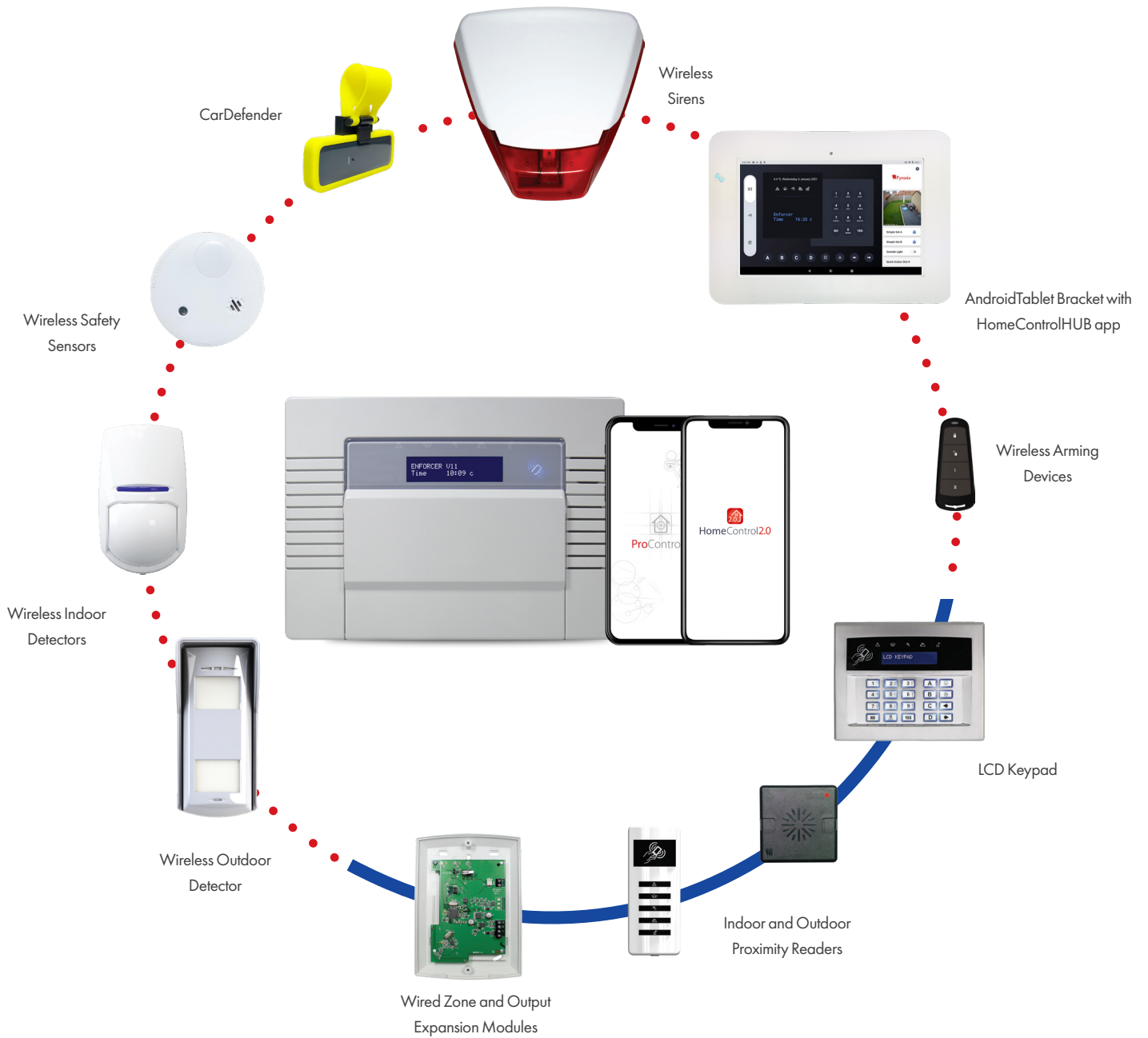
# Enforcer

## System architecture

Using the entire Pyronix range of peripherals, you 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 you with quick-to-fit, effective solutions that maximise installation efficiency and are easy for your 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.



## Multiple communications. You're covered.

With Wi-Fi communications now built onboard the main Enforcer PCB as standard, the Enforcer V11 delivers Pyronix app compatibility straight out of the box; quickly and efficiently connecting to the user's existing router. Additional communication paths can be added for simultaneous messaging to both the app and an Alarm Receiving Centre (ARC) via separate paths; maximising coverage for total peace of mind. That's communications covered.

## With the push of a button

The installation of the Enforcer V11 has been enhanced by the addition of a WPS button. By pairing the Enforcer V11 with the router with a push of the WPS button, valuable time is saved; maximising efficiency and convenience. One press, it's as easy as that.

## Unsupervised zones for cars, vans and caravans

Delivering unprecedented security coverage, unsupervised zones can be set up to add security peripherals on cars, vans and caravans. Provide additional peace of mind to what's parked outside the property, without risking supervision faults when they're parked away. Extend the security, expand the system.

## Timed activity for total reassurance

Give users the confidence to maintain independent living, by setting timers to generate a specific response if no movement has been detected by using occupancy zones and times. Responses include sending a push notification to a loved one via the app, or even notifying an ARC. Install a system that cares.

## Take control with the AndroidTablet and HomeControlHUB

Deliver a completely unified customer experience, with the AndroidTablet and HomeControlHUB app. Fusing the Enforcer V11, SmartPlug and cameras into one, users can surf the web, as well as control security, automation and video. Find out more by scanning the QR code below and take control to new levels.

## Interlinking Smokes and Heat

This new feature enables our Smoke and Heat sensors to interlink, meaning all detectors in a property will sound at once with activation. Having interlinking Smoke and Heat sensors is a legal requirement in Scotland, so this latest update will ensure compliance for our Scottish installers.

It is conceivable the rest of the UK will adopt interlinking Smoke and Heat sensors as a legal requirement, therefore, this update also future-proofs the system for any possible changes in law. The update benefits end-users too, alerting them to life-safety scenarios through their panel and connected Pyronix apps. A huge advantage to this is, unlike standard interlinking solutions, Pyronix end-users will receive notification directly to their smart device, no matter where they are in the world, allowing them to take action as necessary.

\*Smoke and Heat sensors with the latest software (version V4.00) are required.

Partcode		Enforcer V11
<b>Key features</b>		
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		80
- Guard/duress		2
System logs		750
Programmable automation types		30
<b>Wireless devices (requires ZEM32-WE*)</b>		
Onboard/maximum* zones		32/64
Keyfobs		32
Arming stations		4
Bells		2
<b>Wired devices</b>		
Onboard/maximum zones		2/34
Onboard/maximum outputs		3/38
Maximum keypads		4 (including onboard)
Maximum readers		4 (including onboard)
<b>Communication</b>		
Module compatibility		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
<b>Technical specification</b>		
Power supply onboard		~15.0VDC
- Maximum rating		0.7A
Panel current consumption		222mA - 75mA
Battery capacity		2200mAh
<b>Other details</b>		
Operating temperature		-10°C to +40°C
Dimensions (W x H x D)		220 x 160 x 50mm
Weight		1025g inc. battery
Certifications		Security Grade 2 Environmental Class II

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



[for more information scan here](#)

# Enforcer V11 upgrade kit

## Your all-in-one security platform

The most advanced Pyronix system released to date, the Enforcer V11 delivers real added value with every installation; security, automation and video that can be tailored, controlled, scheduled and delivered for any user preferences.

Expand and enhance system application capabilities further than ever before, with Wi-Fi built onboard alongside a range of new and innovative features that practically cover any installation requirements for homes or businesses. This system is all you need.

Extend your potential, with Enforcer V11



[for more information  
scan here](#)

## Enforcer V11 upgrade kit

### Fast and efficient upgrade

The Enforcer V11 Upgrade Kit can be fitted in a matter of minutes; simply put on the anti-static gloves, remove the existing PCB, add the new one and swap the power supply cover. V11 as simple as that.

Please note: After installing the Enforcer V11 Upgrade Kit, all prior panel programming will need replicating. This includes all configurations, the relearning of all wireless devices, a new PyronixCloud connection and the re-setup of any mobile applications.

### Unsupervised zones for cars, vans and caravans

Delivering unprecedented security coverage, unsupervised zones can be set up to add security peripherals on cars, vans and caravans. Provide additional peace of mind to what's parked outside the property, without risking supervision faults when they're parked away. Extend the security, expand the system.

### Timed activity for total reassurance

Give users the confidence to maintain independent living, by setting occupancy timers on zones to generate a specific response if no movement has been detected. Responses include sending a push notification to a loved one via the app, or even notifying an Alarm Receiving Centre (ARC). Install a system that cares.

### Multiple communications. You're covered.

With Wi-Fi communications now built onboard the main Enforcer PCB as standard, the Enforcer V11 Upgrade Kit delivers Pyronix app compatibility straight out of the box; quickly and efficiently connecting to the user's existing router. Additional communication paths can be added for simultaneous messaging to both the app and an ARC via separate paths; maximising coverage for total peace of mind. That's communications covered.

### With the push of a button

The installation of the Enforcer V11 has been enhanced by the addition of a WPS button. By pairing the Enforcer V11 Upgrade Kit with the router with a push of the WPS button, valuable time is saved; maximising efficiency and convenience. One press, it's as easy as that.

### Take control with the AndroidTablet and HomeControlHUB

Deliver a completely unified customer experience, with the AndroidTablet and HomeControlHUB app. Fusing the Enforcer V11, SmartPlug and cameras into one, users can surf the web, as well as control security, automation and video. Find out more by scanning the QR code overleaf and take control to new levels.

### The easiest upsell for you and your customers

Along with all the added benefits of the Enforcer V11 system for your customer, the touchscreen control station, which brings together the AndroidTablet with the HomeControlHUB app interface, also pulls your branding from your PyronixCloud account to deliver a uniform and professional system throughout. There's even a quick share option for users to send your details to friends and family. Your branding, front and centre.

Partcode	ENF32UK/UPGRADE-WE
<b>Key features</b>	
Onboard/maximum zones	34/66
Onboard/maximum outputs	3/38
Areas (independent or level)	4
Arm/disarm methods	App, pin, prox or keyfob
User codes	80
- Guard/duress	2
System logs	750
Programmable automation types	30
<b>Wireless devices</b>	
Onboard/maximum zones	32/64*
Keyfobs	32
Arming stations	4
Bells	2
<b>Wired devices</b>	
Onboard/maximum zones	2/34
Onboard/maximum outputs	3/38
Maximum keypads	4 (including onboard)
Maximum readers	4 (including onboard)
<b>Communication</b>	
Module compatibility	Wi-Fi Built Onboard, 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
<b>Technical specification</b>	
Power supply onboard	~15.0VDC
- Maximum rating	0.7A
Panel current consumption	222mA - 75mA
Battery capacity	2200mAh
<b>Other details</b>	
Operating temperature	-10°C to +40°C
Dimensions (W x H x D)	220 x 160 x 50mm
Weight	1025g inc. battery
Certifications	Security Grade 2 Environmental Class II














# Enforcer



## Two-way wireless kits

Simplify your security setup with all the essentials in one convenient and cost-efficient bundle. Streamline your product ordering process with our range of Enforcer Kits.



	Control Panel	Onboard WIFI	KX10DP-WE	MCNANO-WE	NANO/SHOCK-WE	MCIZ SHOCK-WE	DELTA/MOD-WE	KEY-FOB-WE	LED RKP	ANDROID TABLET	App Compatible
											
ENF/KIT1-UK	Enforcer V11	WI-FI NOW ONBOARD	2	1	-	-	1	2	-	-	✓
ENF/KIT2-UK	Enforcer V11	WI-FI NOW ONBOARD	2	1	-	-	-	2	-	-	✓
ENF/KIT3-UK	Enforcer V11	WI-FI NOW ONBOARD	4	1	-	-	1	-	-	-	✓
ENF/KIT5-UK	Enforcer V11	WI-FI NOW ONBOARD	-	1	-	4	1	-	-	-	✓
ENF/KIT6-UK	Enforcer V11	WI-FI NOW ONBOARD	-	1	4	-	1	-	-	-	✓
ENF-TAB/KIT1-UK	Enforcer V11	WI-FI NOW ONBOARD	2	1	-	-	1	-	-	1	✓
ENF-TAB/KIT2-UK	Enforcer V11	WI-FI NOW ONBOARD	2	1	-	-	-	-	-	1	✓
ENF-RKP/KIT1-UK	Enforcer V11	WI-FI NOW ONBOARD	2	1	-	-	1	-	1	-	✓
ENF-RKP/KIT2-UK	Enforcer V11	WI-FI NOW ONBOARD	2	1	-	-	-	-	1	-	✓

Please note: Enforcer V11 control panels no longer come with a DIGI-WIFI in the modem slot. The WI-FI communicator is built onboard the main PCB. The AndroidTablet is compatible with Enforcer V11 software and hardware only.

COMING  
SOON

Enforcer X 280



The next generation of security technology.

A whole new experience in commercial and large-residential security.

## Enforcer X 280

### Multi-path communications

Send all communications at the same time, without having to prioritise, with the Enforcer X 280's multi-path, multi-tasking communications channels.

### Multiple ARCs

The Enforcer X 280 has 4 ARC destinations with up-to 3 paths for each ARC (cellular, Wi-Fi and LAN), allowing the control panel to talk to 4 separate ARCs or multiple accounts within the same ARC if required.

### Hotspot mode

Hotspot mode can be used to program the panel if there's no internet available on-site. Working with a connected Wi-Fi communications modem, hotspot mode can be activated on the panel to broadcast its own Wi-Fi network and allow devices to connect to program the system through InSite Pro Local.

### Simple Cloud

Cloud connection made simple. The Enforcer X 280 can be added to PyronixCloud by scanning the QR code found on the panel or by using the short code menu in the panel. With a working IP connection (Wi-Fi, LAN or cellular), the control panel will automatically connect to your PyronixCloud account.

### App connectivity for control anywhere

Easy app connection. Just like the PyronixCloud, HomeControl2.0 can be connected by scanning the QR code found on the panel or by using the short code menu in the panel to view, arm and disarm areas. You can even access user functions like adding, changing and deleting user codes from the panel.

### OTA updates

Futureproof installations with all-new Over-the-Air updates. You can now update the panel's firmware remotely, while the panel is installed in a customer's premises, through InSite ProCloud.

Updates will provide new panel features, taking approximately 15 minutes to download, unpack and install the new software. This all happens in a separate partition of the memory, protecting the current running software should a power cut or other unforeseen event interrupt the process.

### 99 areas, 4 levels

The Enforcer X 280 is our first control panel to use a new areas and levels feature. It offers 99 areas with 4 levels in each area, giving full flexibility for setting up the system.

### System defaults on start-up

Choose your default start-up settings with the Enforcer X 280. When the system is first powered on, you can pick your system grading to configure the panel to your requirements.

### New communication modules

The Enforcer X 280 has two newly designed, robust modules; a 4G/2G module and Wi-Fi module. The 4G/2G module will run 4G where possible, falling back to 2G when 4G signal strength is poor. The Wi-Fi module is 2.4GHz and offers all 13 channels of the 2.4GHz Wi-Fi range. The panel has LAN onboard for easy ethernet connection direct to a local router.

### BUS Scan

Bus Scan is a brand new feature. Where RS485 Bus devices are traditionally programmed manually, Bus Scan automates the process on the Enforcer X 280. It will scan the RS485 bus and display any detected devices in groups on the panel's keypad. Save time on set up, especially on large systems, with the basic programming already done for you by Bus Scan.

### Zone Scan

Zone Scan can detect wired inputs into the control panel and expanders with a simple scan. Once detected, it will setup basic programming for each; saving a lot of time and effort on manual input.

### Auto Learn

Forget manually navigating the panel menu over and over again to add wireless devices. Auto Learn mode allows for automatic learning of any wireless device into wireless zone expanders with a simple click of the Auto Learn button on each device, enabling more efficient programming.

### 280 zones

Leave no space unprotected with 280 zones available on the Enforcer X 280, perfect for large residential and commercial properties.

### Hybrid system

Connect the Enforcer two-way wireless range of devices to the Enforcer X 280 for full flexibility.

### InSite ProLocal

InSite ProLocal is the new web browser interface we've built into our Enforcer X 280 control panel to help make installation and set-up a breeze. Configure panel settings quickly and easily on-site by directly connecting your device to the control panel or by using the Local Area Network.

### InSite ProCloud

InSite ProCloud is our brand new platform hosted in the Cloud. It has all the legacy features of PyronixCloud, along with loads of new tools and improvements. It's the new platform for all of your cloud settings, including panel configuration and app user pages, which allows you to remotely program your panels, diagnose, and solve issues, without any need to upload settings offline and send back to the panel.



## Enforcer X 280

COMING  
SOON

Partcode	ENFX-280H/L
<b>What's in the box</b>	
Tamper protected housing	✓
PCB	✓
Power supply on board	✓
Keypad	x
Communications module	x
<b>Key features</b>	
Areas	99
Levels (areas x levels)	396 (99 x 4)
Maximum zones	280
- On board	8
Maximum ZEMs	30
Maximum programmable PGMs	459
- On board	8
Maximum PGM expanders	16
Arm/disarm methods	App   InSite Pro   Pin code   Proximity tag   Remote keyfob
User codes	500
- Guard/duress	20
System logs	5,000
User automation outputs	30
InSite Pro Local compatible	✓
InSite Pro Cloud compatible	✓
<b>Wireless devices (requires wireless expander)</b>	
Maximum zones	96
- Onboard	-
Maximum wireless expanders	3
Keyfobs	32
Arming stations	4
Sirens	2
<b>Wired devices</b>	
Maximum zones	280
- On board	8
Maximum programmable PGMs	459
- On board	8
Maximum keypads/readers	30
<b>Communication</b>	
Module compatibility	Wi-Fi   4G/2G
On board Ethernet	✓
HomeControl2.0 compatible	✓
Push notifications	✓
Signalling protocols*	Contact ID IP   Contact ID   SIA IP   SIA3   Fast Format IP   Fast Format
<b>Technical specification</b>	
Power supply on board	✓
- Quiescent output voltage	~15VDC
- Maximum rating	3.4A
Current consumption	130mA
Battery capacity	7-17Ah
AUX output voltage	~12VDC
Default zones resistors	2k2 tamper / 4k7 alarm
<b>Other details</b>	
Operating temperature	-10°C to +40°C
Dimensions (W x H x D)	305 x 390 x 100mm
Weight	11.5kg inc. battery (sold separately)
Warranty	2 years
<b>Certifications</b>	
Electrical conformity	UKCA   CE
EN 50131	Security Grade 3
Environmental classification	II

\*Signalling protocol options are dependent on the communication module installed



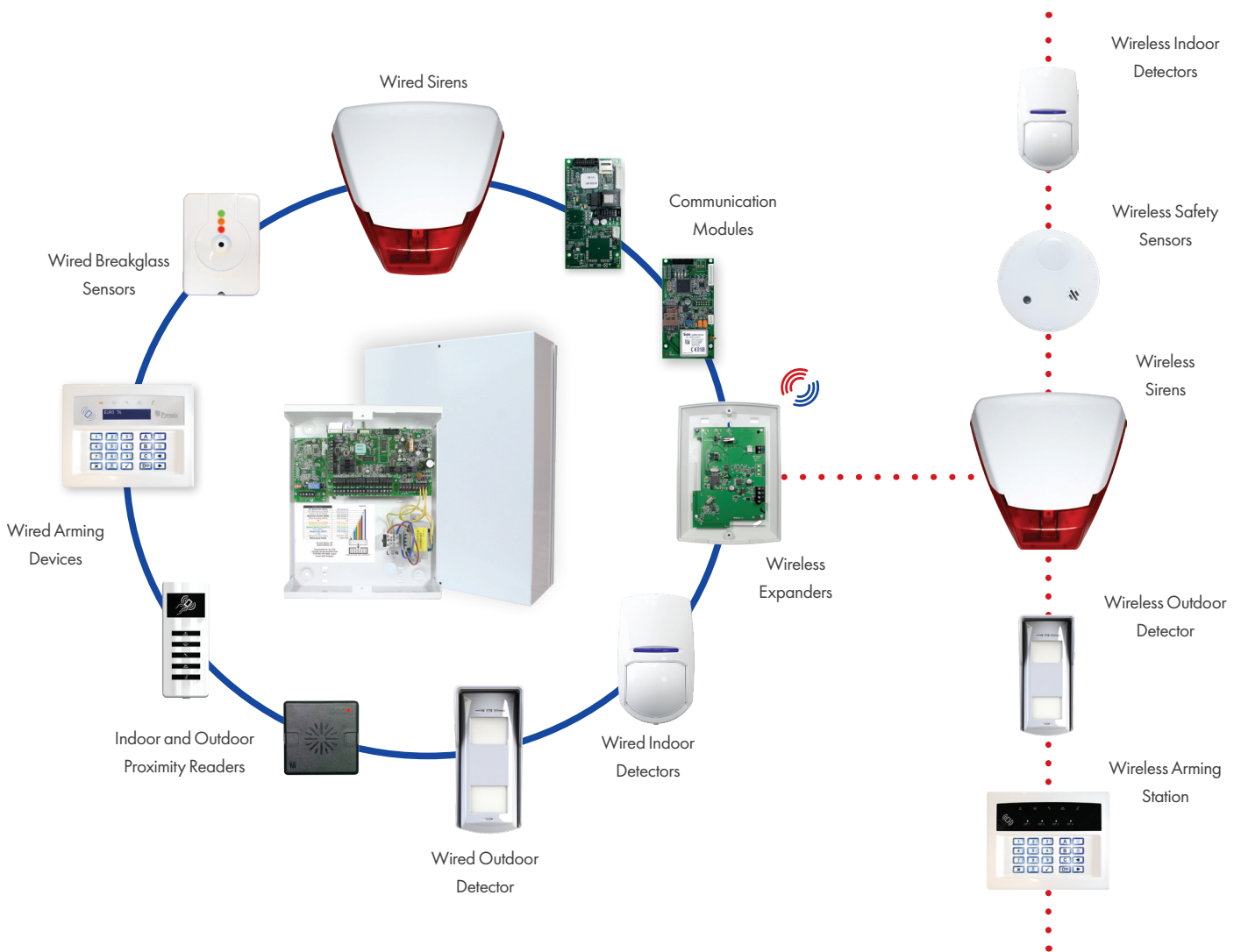
# EURO and ENFORCER X

## System architecture

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

### Wired

When utilising 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 Enforcer two-way wireless expansion provides you with quick-to-fit, effective solutions that maximise installation efficiency and are easy for your users to operate. This is ideal for listed buildings or retrofits.

## EURO 76

### Future-proof the installation, fit one panel

It's time to streamline your security installations and maximise your opportunities. Wire in the panel and expand wirelessly with the EURO 76; delivering everything from bells-only to app functionality.

### Get to know one and master them all, with fully menu-driven programming

Easily navigate through the menus of the EURO 76 with similar uniform menu-driven programming. Simple 'YES/NO' questions allow fast and efficient installing to save time and money.

### Connect as required with the vast range of communication options

Whatever the communication need, the EURO 76 gives you the option. Simply purchase the communicator you want and fit it into the panel.

### No on-site IT configuration

The EURO 76 is connected through a cloud server, so there is no need to set up static IP addresses or configure the network connection on site; instead you simply set up an account on PyronixCloud.com.

### Completely secure control from anywhere in the world

Pyronix app and PyronixCloud communications are encrypted to the highest standard, so the user can securely arm and disarm the system, view status and receive push and voice push notifications from any event, from anywhere.

### Save yourself time and money with Automatic Remote Maintenance

Using Pyronix InSite UDL software, the EURO 76 can be remotely programmed and diagnosed. The software also enables one of the compulsory twice yearly system maintenance calls to be performed remotely.

### Android and Apple compatible

HomeControl2.0 and ProControl+ are available in two versions: on Android™ from the Google Play Store and on iOS™ from the Apple App store.

### Meet the required security standard with Grading options

The EURO 76 can be either Grade 2 (EURO 76S) or 3 (EURO 76L) with full app capability, for the superior security any installation needs.

### Recurring revenue and retention

Streams of recurring revenue can be established by offering PyronixCloud management services; managing this or passing access to users. This increases customer retention and makes the system more profitable.

Partcode	EURO76/S-UK	EURO76/L-UK
<b>EURO kit contents</b>		
Metal casing with tamper protection	Small	Large
PCB	✓	✓
Power supply	✓	✓
Keypad (EUR-064)	✓	✓
Communication modem	Not included (compatible with WIFI, LAN, GPRS, GPRS +SIM)	Not included (compatible with WIFI, LAN, GPRS, GPRS +SIM)
<b>Key features</b>		
Independent areas or levels	6	
Wired inputs (NC/DEOL/3EOL)	8 (76)	
Two-way wireless zones	0 (64 with 2 x ZEM32-WE)	
Outputs on board	5 expandable to 75	
ATE outputs on board	10	
Expanders (max)	Wired zones (ZEM8) x 8, wireless zones (ZEM32-WE) x 2, wired output x 2	
Keypads	6 (wired) 4 (wireless arming station requires ZEM32-WE)	
Log events	1250	
Two-way wireless keyfobs (max)	0 (32 with ZEM32-WE)	
User codes and prox tags	85	
Guard codes	10	
Two-way wireless sounders	2 (with ZEM32-WE)	
Phone numbers for SMS notification	10	
Reporting formats	WIFI & LAN (SIA IP, Contact ID IP, Fast Format IP, Cloud/App) Cellular (SIA IP, Contact ID IP, Fast Format IP, Cloud/App, SMS), WebWayOne, Chiron	
Compatibility with HomeControl2.0 App	✓	
<b>Technical specifications</b>		
Internal power supply	1.5A	2A
Power supply	110-230VDC 50-60Hz	110-230VDC 50-60Hz
Current consumption	80mA	80mA
AUX output voltage	9 - 16VDC (12VDC normal)	9 - 16VDC (12VDC normal)
Programmable output	3A, Max 30V relay	3A, Max 30V relay
Siren and strobe output	500mA	500mA
Default input resistors (additional optional resistor values are available)	4k7 (alarm) 2k2 (tamper) 6k8 (mask)	4k7 (alarm) 2k2 (tamper) 6k8 (mask)
Battery capacity	3 - 7Ah	3 - 17Ah
AUX fuse	800mA	800mA
Siren fuse	800mA	800mA
<b>Other details</b>		
Operating   storage temperature	-10°C to +50°C -20°C to +60°C	-10°C to +50°C -20°C to +60°C
Dimensions (W x H x D)	250 x 297 x 82mm	305 x 390 x 100mm
Weight	3.6kg	5.6kg
Warranty	2 years	2 years
<b>Certifications</b>		
Electrical conformity	CE	CE
EN50131	Grade 2	Grade 3
Environmental class	II	II










[for more information scan here](#)



## Euro Hybrid Kits

Make your security setup quick and easy with our comprehensive and cost-effective kits. Explore our range of Euro Hybrid Kits for a convenient product ordering experience.



	EURO ZEM32-WE	KX	MCMINI-WE	EURO46	DELTABELL	TWIN-ALERT	MEQ
							
EUROENF/KIT1	1	3	1	-	-	-	-
EUROENF/KIT2	1	3	1	-	-	-	-
EURO76/S-KIT	-	-	-	1	1	1	3

# Wired arming devices

Reliable, convenient, user-friendly arming and access control

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

	EUR-064	EURO LCDPZ/SCHROME	EURO-PROXI	EURO-PROXE
<b>Specification features</b>				
LCD keypad	✓	✓	x	x
Surface mounted	✓	✓	✓	✓
Flushmount back box available	x	✓	x	x
Interchangeable keypad casings	x	✓	x	x
Integrated proximity reader	✓	✓	✓	✓
Indoor-use proximity reader	✓	✓	✓	x
IP65 rated outdoor-use proximity reader	x	x	x	✓
Onboard zones	2	2	2	1
Onboard outputs	1	1	1	1
Access control	x	x	✓	✓
<b>Power supply</b>				
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
Output	100mA	100mA	150mA	150mA
<b>Other details</b>				
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	160 x 126 x 30mm	40 x 97 x 23mm	85 x 85 x 21mm
<b>Certifications</b>				
EN50131	Grade 3	Grade 3	Grade 3	Grade 3
Environmental class	II	II	II	IV

# Wireless arming device

## Easy-to-install, user-friendly and secure arming



Fast, convenient and 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

Multi-functional arming and disarming.



[for more information scan here](#)

KEYFOB-WE	
<b>Specification features</b>	
4 button with 8 button functions	✓
System status display	✓
Arm one or all areas per button	✓
Disarm one or all areas per button	✓
Hold-up function	✓
Activate output automation	✓
Lock and unlock buttons	✓
<b>Electrical specifications</b>	
Transmission frequency	868MHz, FM transceiver
Transmission method	128-bit encrypted radio protocol
3V Lithium battery included	BATT-KF1215 3V
Battery life - years (typical usage)	1
<b>Weight &amp; dimensions</b>	
Weight	28g
Dimensions (W x H x D)	30 x 72 x 20mm
<b>Certifications</b>	
EN50131	Grade 2
Environmental class	II

### LEDKRP/WHITE-WE




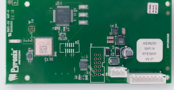
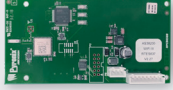
Convenient, wireless and easy to use.







[for more information scan here](#)

LEDKRP	
<b>Specification features</b>	
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)	✓
<b>Certifications &amp; warranty</b>	
EN50131	Grade 2
Environmental class	II

# Communication modules

	DIGI-LAN	DIGI-GPRS	DIGI-GPRS+SIM	DIGI-WIFI (ENFORCER)	DIGI-WIFI/XA (EURO 76)
					
Smart device applications	✓	✓	✓	✓	✓
Enforcer V10	✓	✓	✓	✓	✗
Enforcer V11	✓	✓	✓	WIFI NOW ONBOARD	✗
EURO 76	✓	✓	✓	✗	✓
EURO 280	✗	✗	✗	✗	✗
Formats	Contact ID IP, SIA 3 IP, supports uploading/downloading	Contact ID IP, SIA 3 IP, SMS, supports uploading/downloading	Contact ID IP, SIA 3 IP, SMS, supports uploading/downloading	Contact ID IP, SIA 3 IP, supports uploading/downloading	Contact ID IP, SIA 3 IP, supports uploading/downloading
Voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Dimensions (W x H x D)	109 x 56 x 14mm	110 x 56 x 10mm	110 x 56 x 10mm	109 x 56 x 11mm	109 x 56 x 11mm
Roaming capabilities	✗	✓	✓	✗	✗
ATS	SP5	SP5	SP5	SP5	SP5
Environmental class	II	II	II	II	II

	DIGI-PSTN/VOICE*	DIGI-1200 (PSTN)*	FPPSTN-MODEM	FPRS232-MODEM
				
<b>Compatibility</b>				
Smart device applications	✗	✗	✗	✗
Enforcer V10	✓	✓	✗	✗
Enforcer V11	✓	✓	✗	✗
EURO 76	✓	✓	✗	✗
EURO 280	✗	✗	✓	✓
<b>Specification features</b>				
Formats	Contact ID, SIA3, Fast Format, supports uploading / downloading	Contact ID	Contact ID, SIA, supports uploading/downloading	Chiron, WebWayOne SIA, supports uploading / downloading
Voltage	12VDC	12VDC	12VDC	12VDC
Dimensions (W x H x D)	110 x 56 x 10mm	110 x 56 x 10mm	60 x 30 x 12mm	60 x 30 x 12mm
Roaming capabilities	✗	✗	✗	✗
<b>Certifications</b>				
ATS	SP2	SP2	SP2	-
Environmental class	II	II	II	II

\*Not recommended for future installations.

## The DigiAir communication module



Add ARC connectivity to our app-enabled systems

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

Available from your local ARC in GPRS, Wi-Fi and LAN versions.



## V2 TEL Speech Dialler

### Flexible, convenient and programmable

The V2 TEL Speech Dialler enables communication of alarm information directly to telephone devices via PSTN connection\*. Compatible with any brand of control panel via hardwired connection, it provides speech messages and can also be used as a normal telephone if required.

\*Please note: The Public Switched Telephone Network (PSTN) switch off is due to take place by 2025, beginning for some in 2021. We suggest proactively focusing on IP solutions, while ensuring multi-path and GPRS are utilised to maintain professional monitoring with the ARC where required.



Partcode	V2TEL
<b>Specification features</b>	
Onboard / maximum inputs	6
Onboard / maximum outputs	4
Voice messages	6
SMS messages	x
Telephone numbers	9
Duplex	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	30
Anti-jamming feature	x
<b>Other details</b>	
Operating temperature	-20°C to +40°C
Dimensions (W x H x D)	147 x 100 x 28mm
Power supply	10-14VDC
Current consumption	300mA Max (40mA at rest)



[for more information scan here](#)

# Expanders

## Zone



	EURO-ZEM8	EURO-ZEM8/E+ P-BOX	EURO-ZEM8+	EURO-ZEM8+PSU	EURO-ZEM32-WE
					
<b>Type of module</b>					
Wired zone expander module	✓	✓	✓	✓	✗
Two-way wireless expander module	✗	✗	✗	✗	✓
<b>Specification features</b>					
Wired zones	8	8	8	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	Bought separately	Plastic	Metal	Plastic
Integrated power supply	✗	✗	✗	2.5A	✗
Power supply	9-15VDC	9-16VDC	9-15VDC	220-240VAC	9-15VDC
<b>Other details</b>					
Operating temperature	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C
Weight	260g	33.5g	260g	4.8kg (including battery)	240g
Dimensions (W x H x D)	173 x 125 x 32mm	100 x 40 x 14mm	173 x 125 x 32mm	305 x 390 x 100mm	173 x 125 x 32mm
<b>Certifications</b>					
EN50131	Grade 3	Grade 3	Grade 3	Grade 3	Grade 2
Environmental class	II	II	II	II	II

## Output

EURO-OEM8R8T

EURO-OEM16R-PSU



	EURO-OEM8R8T	EURO-OEM16R-PSU
<b>Type of module</b>		
Output expander module	✓	✓
<b>Specification features</b>		
Output support	8 open collector/8 relays	16 relays
Two-way wireless zones	✗	✗
Two-way wireless keyfobs	✗	✗
Two-way wireless sirens	✗	✗
Housing with tamper protection	Plastic	Metal
Integrated power supply	✗	2.5A
Power input	9-15VDC	220-240AC
<b>Other details</b>		
Operating temperature	-10°C to +40°C	-10°C to +40°C
Weight	240g	4.8kg (including battery)
Dimensions (W x H x D)	173 x 125 x 32mm	305 x 390 x 100mm
<b>Certifications</b>		
EN50131	Grade 3	Grade 3
Environmental class	II	II





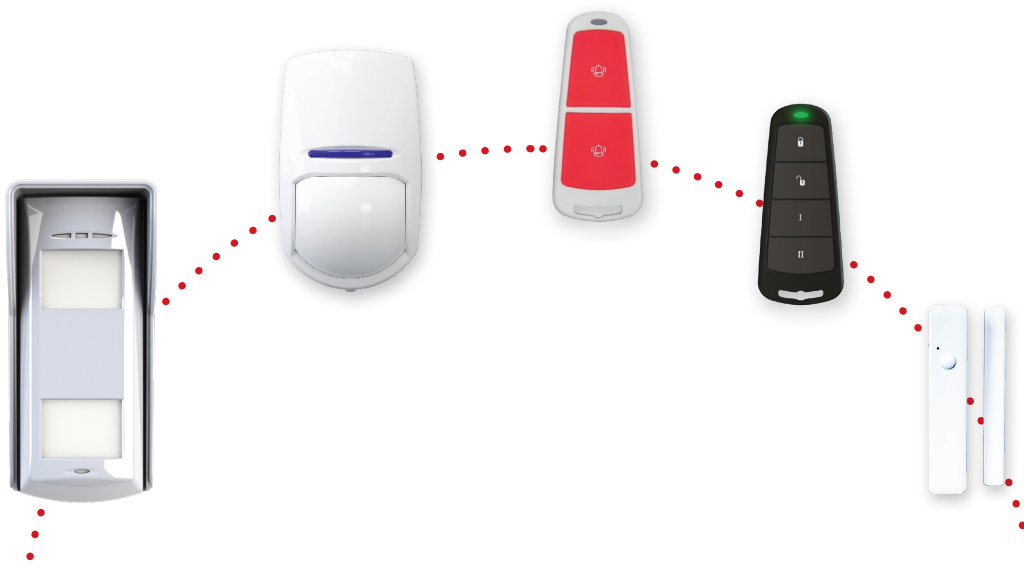
## UR2-WE

### Compatible with any brand of alarm control panel with arm and disarm outputs.

The UR2-WE provides you with the ultimate installation flexibility, by delivering the capability to use the entire Enforcer two-way wireless range of peripherals on any brand of wired alarm control panel with an 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 Enforcer two-way wireless technology.

\*Please note: Each wireless channel can either support sensors or keyfobs, but not a combination of the two. Therefore, you can add up to 20 sensors or 12 keyfobs to the installation.



Partcode	UR2-WE
----------	--------

#### Specification features

Alarm relay outputs	2
Wireless frequencies	2**
Two-way wireless peripherals	10 per channel
Two-way wireless keyfobs	6 per channel
Wireless peripherals dedicated fault relay	1
System arm / disarm input	1
Alarm indication (7 segment display)	1

#### Electrical specifications

Power supply	9-15VDC
Current consumption min / max	80mA/400mA
Relay x 3	3A @ 30VDC

#### Other details

Operating temperature	-10°C to +50°C
Dimensions (W x H x D)	173 x 125 x 32mm

\*Please note: The HUD/MED-WE is only compatible with UR2-WE software versions V4.03 and above.

\*\* Please note: All peripherals must be dual frequency in order for the UR2-WE to switch frequency in the event of jamming.



[for more information scan here](#)



## 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 immunity and coverage options.



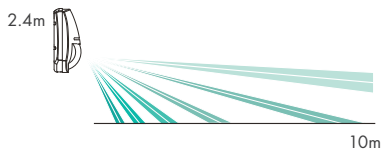
Partcode	KX10DP-WE	KX12DQ-WE	KX15DC-WE	KX25LR-WE
<b>Lens characteristics</b>				
Volumetric lens 85° coverage, 7 planes, 60 zones	x	✓	x	x
Pet immune coverage, 6 planes, 56 zones	✓	x	x	x
Curtain lens, 20° coverage, 6 planes, 46 zones	x	x	✓	x
Long range lens, 20° coverage, 6 planes, 24 zones	x	x	x	✓
Maximum 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	x	✓	✓	✓
<b>Specification features</b>				
Pet immune	<24kg	x	x	x
Blue Wave Technology (BWT)	✓	✓	✓	✓
Automatic sensitivity	✓	✓	✓	✓
Digital temperature compensation	✓	✓	✓	✓
Front and rear tamper protection included	✓	✓	✓	✓
Signal Strength Indicators (SSI)	✓	✓	✓	✓
<b>Electrical specifications</b>				
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
Battery life - years (typical usage)	2	2	2	2
<b>Other details</b>				
Operating temperature	-10°C to +40°C			
Weight	125g			
Dimensions (W x H x D)	69 x 117 x 50mm			
<b>Certifications</b>				
EN50131	Grade 2	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II	II

For more accessories, please see page 59

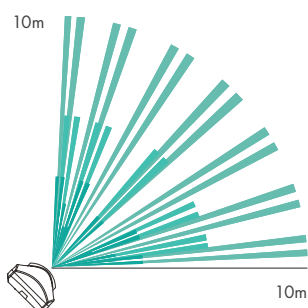
# Lens Diagrams

## KX10DP-WE - volumetric lens

Vertical coverage

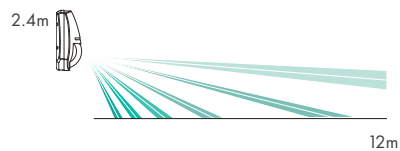


Horizontal coverage

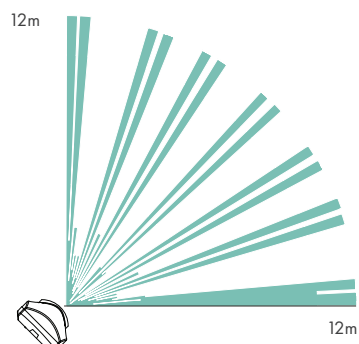


## KX12DQ-WE - volumetric lens

Vertical coverage



Horizontal coverage

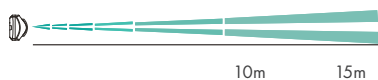


## KX15DC-WE - curtain lens

Vertical coverage

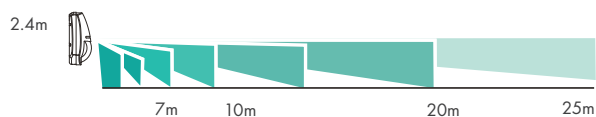


Horizontal coverage

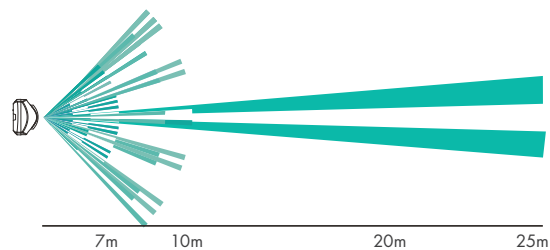


## KX25LR-WE - long range lens

Vertical coverage



Horizontal 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.



Partcode	KX10DP	KX15ED	KX15DQ	KX18DC
<b>Optical and range features</b>				
Volumetric coverage: 85°, 7 planes, 60 zones	x	✓	✓	x
Pet detection: 85°, 6 planes, 56 zones	✓	x	x	x
Curtain coverage: 20°, 6 planes, 46 zones	x	x	x	✓
Long range coverage: 20°, 6 planes, 24 zones	x	x	x	✓
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	x	✓	✓	✓
<b>Specification features</b>				
Pet immune	<24kg	x	x	x
Blue Wave Technology (BWT)	✓	✓	✓	✓
Automatic sensitivity	✓	✓	✓	✓
Digital temperature compensation	✓	✓	✓	✓
Optical quad	x	x	✓	x
EOL resistors onboard	✓	✓	✓	✓
Tamper protection included	✓	✓	✓	✓
<b>Electrical specifications</b>				
Power supply	9-16VDC (12VDC nominal)			
Current consumption at rest and in alarm	11mA, 13mA			
Output 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 relay open time	2.5 seconds			
Detection speed	0.3-3m/s			
Direct light filter	6500 Lux			
Optics	Sealed optics			
Geometric lens configuration	3D			
<b>Other details</b>				
Operating temperature	-10°C to +40°C			
Weight	125g			
Dimensions (W x H x D)	69 x 117 x 55 mm			
<b>Certification</b>				
EN50131	Grade 2	Grade 2	Grade 2	Grade 2
Environmental class	II	II	II	II

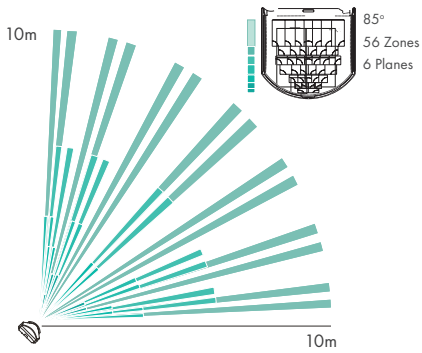
# Lens Diagrams

## KX10DP - volumetric lens

Vertical coverage



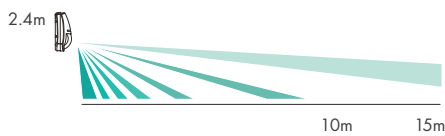
Horizontal coverage



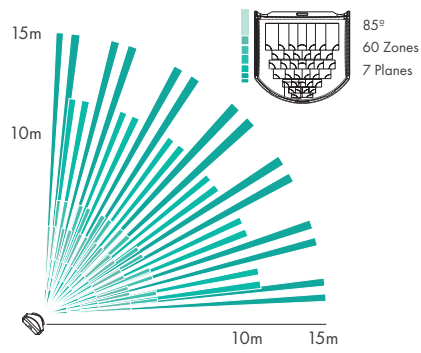
Lens: KX15VL

## KX15DQ - volumetric lens

Vertical coverage



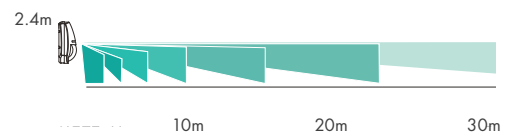
Horizontal coverage



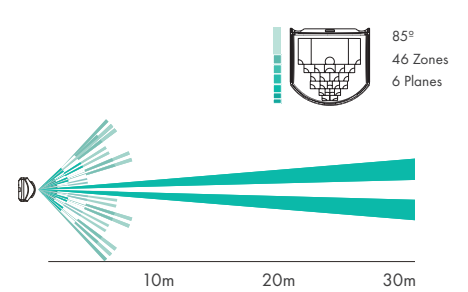
Lens: KX15VL

## KX18DC - long range lens

Vertical coverage



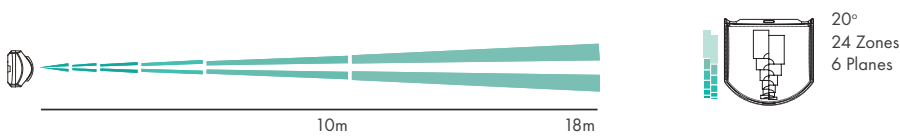
Horizontal coverage



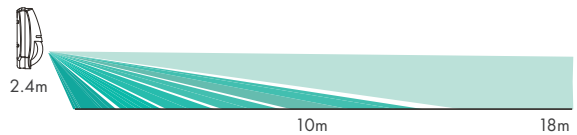
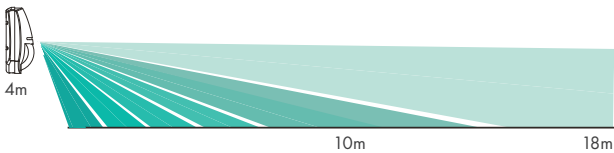
Lens: KX30LR

## KX18DC - curtain lens

Vertical coverage



Horizontal coverage



## MEQ Blue

### Compact Wired PIR Detector

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

#### Sealed optics

Protects from possible infestation from insects, shields air movement in front of the pyroelectric sensor and protects against adverse reflections from inside the detector housing.

#### ABS plastics

3mm polished finish, reduces electrostatic interference on the PIR sensor.

#### Automatic temperature compensation

When the product is used in a hot environment this technology automatically adjusts the detector's sensitivity allowing it to maintain its range even when the background room temperature is almost equal to the external body temperature of 32°C.

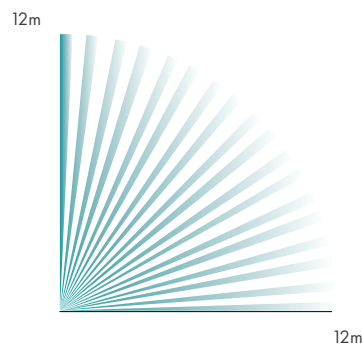


[for more information](#)  
[scan here](#)

Partcode	MEQ BLUE
<b>Optical and range features</b>	
Coverage	Volumetric coverage: 90°, 108 zone and 3 planes
Maximum range	12m
Optimal installation height	1.8-2.4m
<b>Specification features</b>	
Dual element pyroelectric sensor	✓
Adjustable sensitivity	✓
Tamper protection	✓
<b>Electrical specifications</b>	
Operating voltage	9-16VDC
Quiescent current consumption	15mA @ 12VDC
Output relay	SELV limits, 60VDC, 50mA (42.4VAC peak)
Tamper switch	12VDC 50mA
<b>Other details</b>	
Operating temperature	-10°C to +40°C
Weight	80g
Dimensions (W x H x D)	88 x 60 x 42mm
<b>Certifications</b>	
EN50131	Grade 2
Environmental class	II

#### MEQ Blue

Horizontal coverage



#### MEQ Blue

Vertical 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.

### Quad Zone PIR

The Octopus DQ's Passive Infrared (PIR) sensor increases the detection capabilities when ceiling mounted, due to the crossing of opposing detection zones that are required to generate an alarm condition.

### Pulse count (1, 2 & 3)

This is an adjustable feature to determine the number of pulses that are required to be triggered before an alarm activation occurs.

### Walk test LED

Allows the installer to perform an easy and quick walk-test during the installation process, with the LED indicating the presence of an intruder.

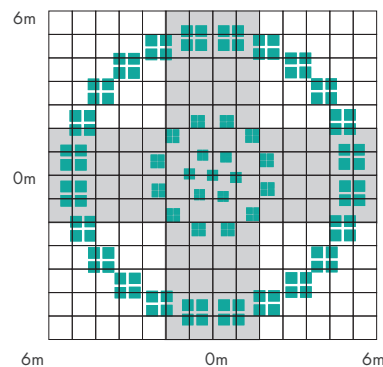


[for more information scan here](#)

Partcode	OCTOPUSDQ
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 (12VDC nominal)
Output relay	Solid state, 60VDC, 50mA protection
Tamper terminal	12VDC max, 50mA max
Selectable EOL resistors	✓
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-700MHz	10V/m
Alarm response	2.5 seconds
Detection speed	0.3-3m/s
Geometric lens configuration	3D
Certification	
EN50131	Grade 2
Environmental class	II

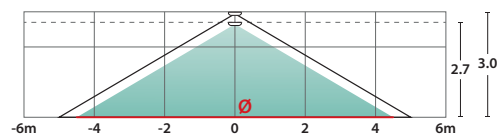
## OCTOPUS DQ

### Horizontal coverage



## OCTOPUS DQ

### Vertical coverage





## 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.



Partcode	KX10DTP-WE	KX12DT-WE
<b>Optical and range features</b>		
Maximum range	10m	12m
Optimal installation height	1.8-2.4m	1.8-2.4m
Creep-zone protection	x	✓
<b>Specification features</b>		
Pet immune	<24kg	x
Blue Wave Technology (BWT)	✓	✓
Automatic sensitivity	✓	✓
Digital temperature compensation	✓	✓
Anti-cloaking	x	x
Separate indication: microwave, PIR and alarm	✓	✓
3 microwave frequencies to avoid interference	✓	✓
Tamper protection included	✓	✓
Signal Strength Indicators (SSI)	✓	✓
<b>Wireless electrical specifications</b>		
Transmission frequency	868MHz, FM transceiver	
Transmission method	128-bit encrypted radio protocol	
3V Lithium battery included	2 x CR123A	
Battery life - years (typical usage)	2	
<b>Electrical specifications</b>		
RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	10v/m	
Microwave frequency	9.9, 10.525, 10.587GHz	
Alarm response	-	
Detection speed	0.3-3m/s	
Direct light filter	>2500 Lux	
Optics	Sealed	
Geometric lens configuration	3D	
<b>Other details</b>		
Operating temperature	-10°C to +40°C	
Weight	135g	
Dimensions (W x H x D)	69 x 117 x 59mm	
<b>Accessories</b>		
Wall/ceiling brackets (KXBRACKET-C, KXBRACKET-W)	Sold separately	
Long range and curtain lenses (KX30-LR, KX18-LC)	Sold separately	
Bracket back tamper kit	Sold separately	
<b>Certification</b>		
EN50131	Grade 2	Grade 2
Environmental class	II	II

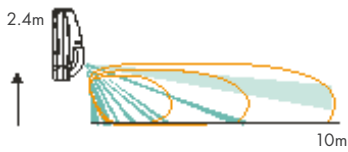


# Lens Diagrams

## Enforcer Wireless Indoor Dual Technology Detectors

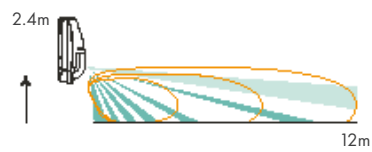
### KX10DTP-WE and KX10DTP - volumetric lens

Vertical coverage

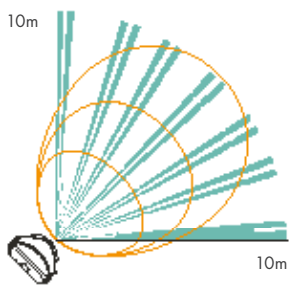


### KX12DT-WE - volumetric lens

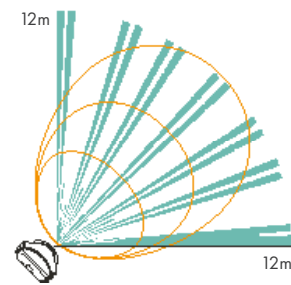
Vertical coverage



Horizontal coverage



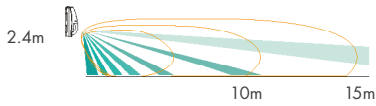
Horizontal coverage



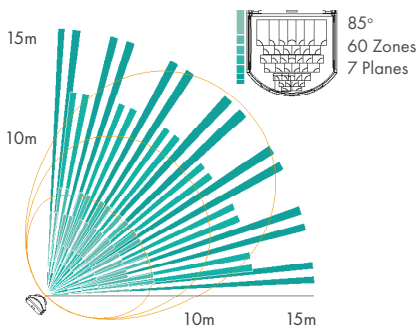
# Lens Diagrams

## KX15DT - KX15DTAM - volumetric lens

Vertical coverage



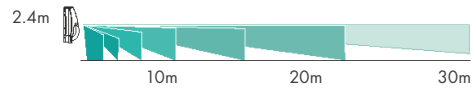
Horizontal coverage



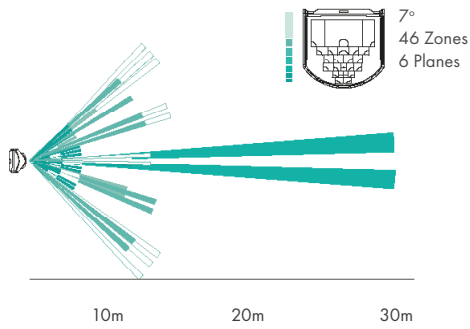
## KX15DTAM - 30m long range lens

(30m long range PIR with anti-masking)

Vertical coverage



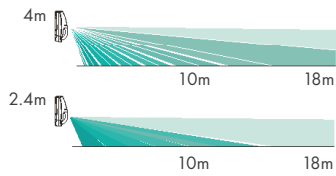
Horizontal coverage



## KX15DTAM - 18m long range lens

(18m long range PIR with anti-masking)

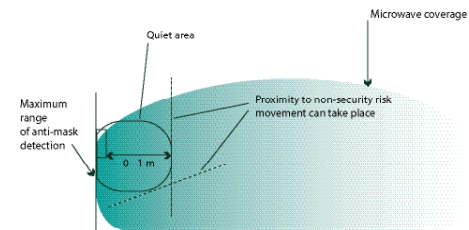
Vertical coverage



Horizontal coverage



Anti-masking



## 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 with onboard EOL resistors and adapting to its environment, the range even has a Grade 3 variant to suit any installation need.



Partcode	KX10DTP	KX15DT	KX15DTAM
<b>Optical and range features</b>			
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	✓	✓
<b>Specification features</b>			
Adjustable anti-masking	x	x	✓
Anti-blocking	x	x	✓
Pet 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	✓	✓	✓
<b>Electrical specifications</b>			
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		
RFI immune from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz	10v/m		
Microwave frequency	9.9, 10.525, 10.587GHz		
Alarm response	2.5 second		
Detection speed	0.3-3m/s		
Direct light filter	2500 Lux		
Optics	Sealed		
Geometric lens configuration	3D		
<b>Other details</b>			
Operating temperature	-10°C to +40°C		
Weight	125g		
Dimensions (W x H x D)	69 x 117 x 55mm		
<b>Certification</b>			
EN50131	Grade 2	Grade 2	Grade 3
Environmental class	II	II	II



## TMD15

### Tri-Anti-Masking Confirmation Detector

Featuring a non-overlapping PIR and a dual technology detector in one housing, the TMD15 delivers sequential confirmation, with outstanding detection performance and separate relay outputs.



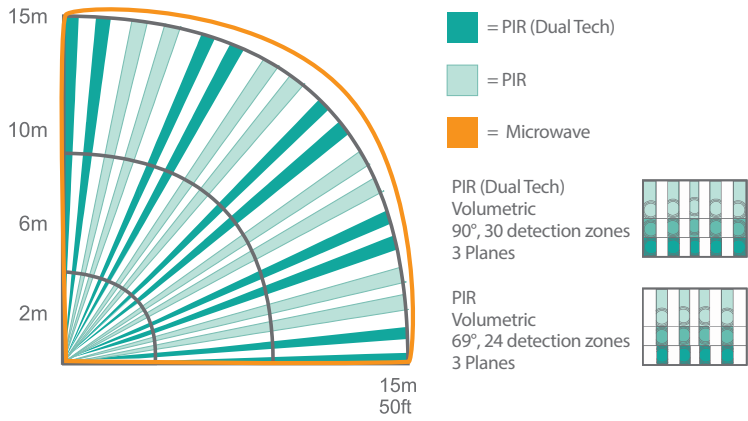
[for more information scan here](#)

Partcode	TMD15
<b>Optical and range features</b>	
Dual technology lens volumetric coverage: 90°, 30 zone and 3 planes	✓
PIR lens volumetric coverage: 69°, 24 zone and 3 planes	✓
Combined non-overlapping detector	✓
Maximum range	15m
Optimal installation height	1.8-2.4m
<b>Specification features</b>	
Dual element pyroelectric sensor	✓
Digital temperature compensation	✓
Microwave frequencies to avoid cross-talk	✓
Adjustable sensitivity	✓
Adjustable anti-masking	✓
Tamper protection	✓
Separate LED indication	✓
<b>Electrical features</b>	
Operating voltage	9-16VDC
Quiescent current consumption	15mA @ 12VDC
Output relay	3x SELV limits, 60VDC, 50mA (42.4VAC peak)
Tamper switch	12VDC, 50mA
Frequency range	10.579GHz, 10.587GHz, 10.595GHz
<b>Other details</b>	
Operating temperature	-10°C to +40°C
Weight	206g
Dimensions (W x H x D)	70 x 175 x 40mm
<b>Certifications</b>	
EN50131	Grade 3
Environmental class	II

# TMD15 Lens Diagrams

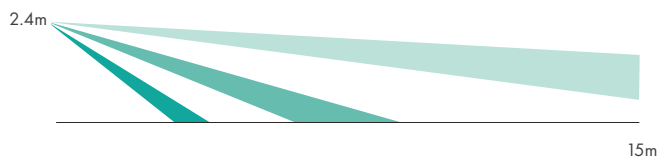
## TMD15

Horizontal coverage



## TMD15

Vertical coverage



Minimum range setting



## CarDefender



**Add to every  
installation, quote and  
maintenance visit.**

### Selectable Detection Modes

Once the device has been professionally installed on the system, users have the option to configure shock, tilt or either shock/tilt to their preference by pressing and holding the button on the front.

#### • Tilt only

Tilt mode has one setting, on or off. The device requires a tilt angle of 4° to trigger the detector.

#### • Shock only

Shock mode has three sensitivity settings; low, medium and high. At the highest setting, the detector will trigger with less force. The lowest setting requires more force to trigger.

#### • Tilt or Shock

This mode will activate on either shock or tilt detection - an intruder hitting the vehicle or tilting the steering wheel will activate the alarm.

### Universal Mounting

The device comes with a specially designed, brightly-coloured silicone rubber mount, allowing users to strap it to a vehicle's steering wheel for reliability and visual deterrence. Alternatively, the device can be secured with the included 3M tape for a wide variety of use cases.

Partcode	CARDEFENDER-WE
Specifications	
Dimensions and weight (W x H x D)	Device - 30 x 95 x 10mm, 30g Holder - 122 x 163 x 12mm, 35g
Casing / Colour	Device - 2mm polycarbonate-ABS, anthracite Holder - Silicone strap, yellow   UV Additive RIASORB UV-329 holder, black
LED colours	Red, blue and green
Transmission frequency	868MHz FM transceiver narrow band
Transmission method	Fully encrypted rolling code
Detection methods	Shock   Tilt   Tilt or Shock
Tilt alarm threshold	~4°
Shock sensitivity	Low, medium and high
Battery	2 x lithium CR2450R, 3V, 500mAh with a 50mA pulse
Low battery threshold	2.2V +/-5% @ 25°C
Temperature	Storage: -20°C to 50°C Operating: -10°C to 40°C
Standards	EN50131-2-6-2008 EN50131-2-8-2016
RoHS Directive	EU 2015/853   UK RoHS regulation 2012
RE Directive	2014/53/EU   Radio Equipment Regulations 2017 (RED)
Emissions	EN 55032:2015+A11:2020 Class B
Immunity compliance	EN 50130-4:2011+A1:2014
Environmental class	II

### Back to Home (B2H)

The CarDefender secures vehicles within home range of the control panel\*. Where the vehicle has left the home range and later returned, the device's supervision will reset after 5 minutes or the user can reset it manually by pressing the B2H button on the device, which is the recommended method. The device will indicate signal strength with a flashing LED; green indicates good signal strength and red suggests poor.

\*Obstructions may interrupt signal strength if the vehicle is parked on a public road or street outside the property.

### The 10 Minute Safety Feature

Once users have selected their chosen settings, these are locked-in after a period of 10 minutes. This feature stops users accidentally changing the settings and potentially invalidating the device. Once locked, the settings can only be changed by opening and closing the device to enable another window for set up.

### Conformally Coated PCB

The CarDefender's PCB is conformally coated, so it can be used in changeable environments\*, making it ideal for bikes, vans or trailers too.

\*As the device is not IP rated, it is not recommended for harsh, wet conditions or environments where it is exposed to the elements.

### Vehicle Protection

The CarDefender has been developed to combat vehicle theft, (particularly keyless) offering a new line of defence to deter intruders by raising the house alarm in the event of an attempted theft. Users are given early warning, allowing them to take action as soon as possible, where previously, the theft may have gone unnoticed for some time.



## 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 remains secured.

#### Piezoelectric sensor detection

The detector does not contain any moving parts and is therefore non-gravity dependent - the SHOCK/W can be installed in any plane or orientation.

#### Adjustable sensitivity

The pulse count is selectable and can be set to 1, 2, 4 or 6.

#### Gross attack detection

A vibration higher than the calibrated sensitivity will override the pulse count feature and directly activate the alarm output.

#### 24 hour protection

The alarm system can be left permanently armed, as the wired shock sensor offers secure perimeter detection with the freedom to move around.



Partcode	SHOCK/W
<b>Specification features</b>	
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	✓
<b>Electrical specifications</b>	
Power supply	~9-16VDC (12VDC nominal)
Quiescent current consumption	~16mA @ 12VDC
Maximum current consumption	~30mA @ 12VDC
Output relay	Solid state, 12VDC, 50mA protection
Tamper terminal	12VDC max, 50mA max
<b>Other details</b>	
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
<b>Certifications</b>	
EN50131	Grade 2
Environmental class	II

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



[for more information  
scan here](#)



## XD Detectors

# Two-way Wireless Outdoor Detector

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

### Flexible installation

A range of mounting options are available to deliver the perfect angle and coverage pattern. The XDL12TT-WE can also be purchased in three different frequency bands to avoid any cross-talk; optimising the XD's stability and allowing it to be fitted with a fixed bracket to enable two XDL12TT-WE's to be fitted back to back to provide 24m range with 180° volumetric coverage.

### Adaptable coverage

The XDL12TT-WE can provide either volumetric or curtain coverage. Each lens can also be restricted to avoid busy roads or paths, which could otherwise cause false alarms.

### Easy setup

The XDL12TT-WE can be fitted with maximum installation ease and convenience:

- Walk test buzzer
- Status LED indication
- Adjustable MW range
- Adjustable PIR coverage angle
- DIP switches
- One-push-to-learn
- Signal Strength Indicators (SSI)

### Video verification via ProControl+

The XDL12TT-WE can be linked to the LightCamera or any Hikvision video device to provide early warning alerts and video to any potential intrusion via ProControl+, should the XD be triggered.



Partcode	XDL12TT-WE
<b>Optical and range features</b>	
Coverage	85° volumetric lens
Maximum range	12m
Pet immune	Up to 24kg
Installation type	XD low mount
Optimal installation height	1.2m
<b>Specification features</b>	
Two-way wireless	✓
Tri-signal detection logic	2 x infrared + 1 x microwave
Automatic sensitivity	✓
Digital IFT technology	✓
Digital temperature compensation	✓
3 LED indication for microwave, infrared and alarm	✓
Integrated walk test buzzer	✓
Tamper	✓
<b>Electrical specifications</b>	
Transmission frequency	868MHz, FM transceiver
Transmission method	128-bit encrypted radio protocol
3V Lithium battery included	2x 3V 5Ah (BATT-ES1)
Battery life - years (typical usage)	3
Plastic housing material	Polycarbonate
PCB	Anti-humidity
Optics	Sealed
Lens UV protection	UV Filter
Environmental protection grade	IP55
<b>Other details</b>	
Operating temperature	-40°C to +80°C
Weight	300g
Dimensions (W x H x D)	77 x 189 x 84mm
<b>Accessories</b>	
2 flexible masking grids	✓
2 fixed masking grids to create curtain protection	✓
<b>Certifications</b>	
EN50131	Grade 2
Environmental class	IV



[for more information scan here](#)



# XD Coverage

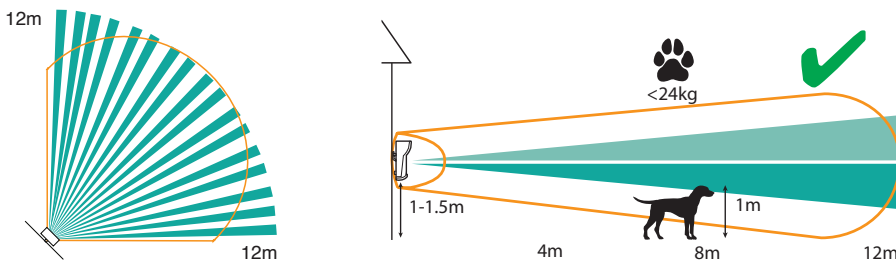
## Coverage pattern and features

The XDL12TT-WE has been developed with maximum performance, ease of installation and reliability in mind.

### XDL Detector - Low mount installation 1.2m

The optics of the XDL12TT-WE are designed to be installed at a low mounting height of 1.2m, which gives a larger immunity to animals.

### XDL12TT-WE lens diagrams



## XD Detectors

### 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 arming of the system if something is blocking the vision of any of the sensors.



Partcode	XDH10TT-AM	XDL12TT-AM
<b>Optical and range features</b>		
Coverage	90°C volumetric lens	85°C 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	✓	✓
<b>Specification features</b>		
Anti-masking (anti-spray)	✓	✓
Anti-blocking technology	✓	✓
Pet immune	Up to 10kg	Up to 24kg
Triple detection logic: 2 x infrared + 1 x microwave	✓	✓
Automatic sensitivity	✓	✓
Independent Floating Threshold (IFT) technology	✓	✓
Digital temperature compensation	✓	✓
Separate indication: microwave, infrared, alarm	✓	✓
3 microwave frequencies to avoid interference	✓	✓
Integrated walk test buzzer	✓	✓
DEOL resistors onboard	✓	✓
Tamper protection included	✓	✓
<b>Electrical specifications</b>		
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	9.9, 10.525, 10.587GHz	
Direct light filter	>2500 Lux	
Optics	Sealed optics	
Protection	IP55	
<b>Other details</b>		
Operating temperature	-30°C to +50°C	
Weight	300g	
Dimensions (W x H x D)	77 x 118 x 84mm	
<b>Certifications</b>		
EN50131	Grade 2	Grade 2
Environmental class	IV	IV

For more accessories, please see page 59

# XD Coverage

## Coverage pattern and features

### XDH Detectors - High mount installation 2.4m

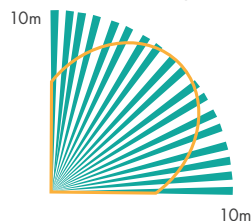
The optics of the XDH10TT-AM detector are specifically designed for maximum protection at an installation height of 2.4m: 78 zones, 5 planes, and the 90° coverage provide complete volumetric coverage of the protected area.

### XDL Detectors - Low mount installation 1.2m

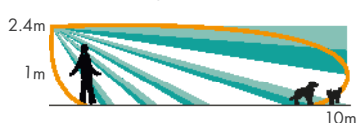
The optics of the XDL12TT-AM are designed to be installed at a low mounting height of 1.2m, while the Dual-Vision Pet Immune setup of non-overlapping PIRs alongside Tri-signal Detection Logic delivers highly secure sequential detection and increases its tolerance to pet immunity.

#### XDH10TT-AM lens diagrams with the XD-Lens5

Horizontal coverage

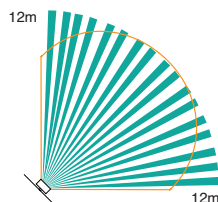


Vertical coverage

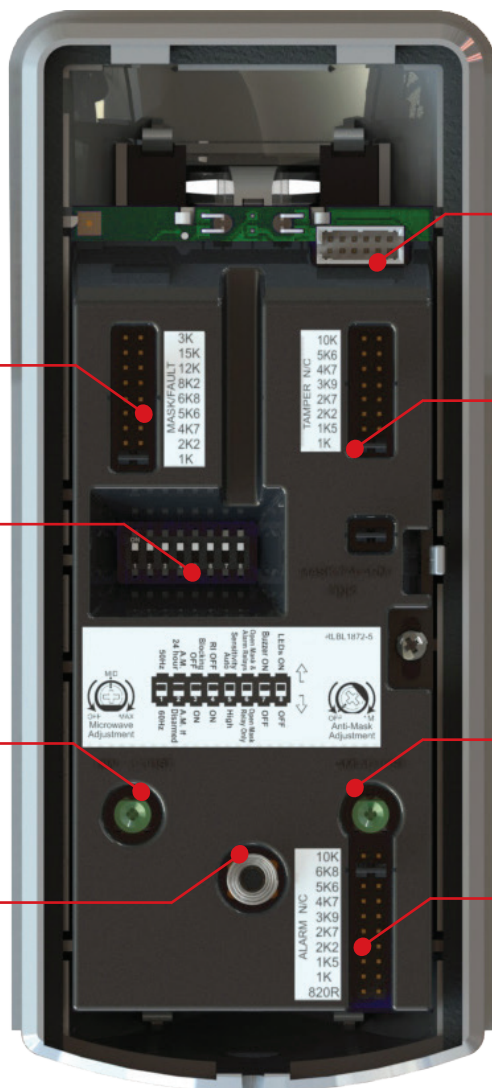
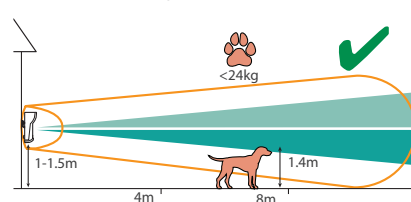


#### XDL12TT-AM

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

Anti-mask range adjustment

Microwave range adjustment

EOL resistors for the alarm relay



Front and back tamper







## Contacts/Sensors

# Enforcer Two-way Wireless Magnetic Contacts and Shock Sensors

Deliver the ideal perimeter protection that also gives the user the freedom to move around, without triggering an alarm when the system is armed. The range even includes the MCNANO-WE which can be fitted within a uPVC door frame and offers functions for various use cases.




Partcode	MCNANO-WE	MCEXTERNAL-WE
		
<b>Characteristics</b>		
Device dimensions (W x H x D)	29 x 69 x 10mm	40 x 146 x 40mm
Magnet dimensions (W x H x D)	14 x 69 x 10mm	30 x 146 x 40mm
Overall weight	40g	250g
Casing colours available	White, brown, anthracite	Anthracite
Casing material	2mm polycarbonate-ABS	(2mm / 2.5 to 4mm) polycarbonate
Wireless	✓	✓
Wired	x	x
Tamper protection	Front and rear	Front and rear
Visual indications	Red, blue and green LEDs	Red, blue and green LEDs
<b>Performance</b>		
Magnetic contact detection	✓	✓
Vibration detection	x	x
External input option	x	✓
Signal strength indicators (SSI)	✓	✓
Instant two way device control (ITDC)	✓	✓
Pyronix intelligent jamming detection	✓	✓
One push to learn	✓	✓
Transmission frequency	868MHz FM transceiver narrow band	868MHz FM transceiver narrow band
Transmission method and range	Fully encrypted rolling code, 300m	Fully encrypted rolling code, 300m
Nominal temperature	-10°C to 50°C	-25°C to 60°C
<b>Batteries</b>		
Type	1 x CR2450R, 3V	1 x CR123A, 3V
Low voltage alert	2.2V +/-5% @ 25°C	2.2V +/-5% @ 25°C
Life expectancy	2 years	2 years
<b>Standards</b>		
Security grade	2	2
Environmental class	II	II
IP rating	-	65
EN certifications	EN50131-2-6:2008 EN50131-5-3:2017 PD6662:2017	EN 50131-2-2:2017 EN50131-1:2006+A3:2020 PD 6662:2017
Electrical conformity	CE, UKCA	CE, UKCA
Warranty	2 years	2 years

Partcode	MC1Z1-WE	MC1Z2/SHOCK-WE	ASSET-WE	NANO/SHOCK-WE
				
<b>Characteristics</b>				
Device dimensions (W x H x D)	125 x 25.5 x 28mm		30 x 95 x 10mm	30 x 95 x 10mm
Magnet dimensions (W x H x D)	125 x 15 x 16mm		-	-
Overall weight	95g		30g	30g
Casing colours available	White, brown, anthracite		White	White, brown, anthracite, black
Casing material	2.5mm ABS		2mm polycarbonate-ABS	2mm polycarbonate-ABS
Wireless	✓		✓	✓
Wired	x		x	x
Tamper protection	Passive, Closed Contact		Front and rear	Front and rear
Visual indications	-		Red, blue and green LEDs	Red, blue and green LEDs
<b>Performance</b>				
Magnetic contact detection	✓	✓	x	x
Vibration detection	-	✓	x	✓
External input option	1	2	✓	x
Signal strength indicators (SSI)	✓	✓	x	✓
Instant two way device control (ITDC)	✓	✓	✓	✓
Pyronix intelligent jamming detection	✓	✓	✓	✓
One push to learn	✓	✓	✓	✓
Transmission frequency	868MHz FM transceiver narrow band		868MHz FM transceiver narrow band	868MHz FM transceiver narrow band
Transmission method and range	Fully encrypted rolling code		Fully encrypted rolling code, 300m	Fully encrypted rolling code, 300m
Nominal temperature	-10°C to 50°C		-10°C to 40°C	-10°C to 40°C
<b>Batteries</b>				
Type	3.0V CR123A Lithium		2 x lithium CR2450R , 3V	2 x lithium CR2450R , 3V
Low voltage alert	2.5V +/-5% @ 25°C		2.2V +/-5% @ 25°C	2.2V +/-5% @ 25°C
Life expectancy	2 years		2 years	2 years
<b>Standards</b>				
Security grade	2	2	2	2
Environmental class	II	II	II	II
IP rating	-	-	-	-
EN certifications	EN50131-1:2006+A3:2020, EN50131-2-6:2008, EN50130-5:2011, EN5050131-5-3:2017, PD6662:2017		EN50130-4:2011+A1:2014, EN55032:2015+A11:2020 Class B, EN50130-4:2011+A1:2014	EN50131-2-8: 2016, EN 50131-1:2006+A3:2020, EN50131-5-3:2017
Electrical conformity	CE, UKCA		CE, UKCA	CE, UKCA
Warranty	2 years		2 years	2 years



## Enforcer Two-way Wireless Safety Sensors

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

Partcode	SMOKE-WE2 (2nd Generation)	CO-WE2 (2nd Generation)	HEAT-WE
			
<b>Sensor types</b>			
Smoke detector	✓	x	x
Carbon monoxide detector	x	✓	x
Heat detector	x	x	✓
<b>Specification features</b>			
Button sensor test	✓	✓	✓
LED sensor test	✓	✓	✓
Front and rear tamper protection	✓	✓	✓
3V Lithium battery included	1 x CR123A	1 x CR123A	1 x CR123A
Signal Strength Indicators (SSI)	✓	✓	✓
RF battery life - years (typical usage)	2	2	2
Sensor battery life - years	10	10	10
Standards	EN14604:2005 +AC:2008	EN50291-1:2010+A1:2012	-

## HUD/MED-WE

### Wireless Hold-up/Medical Device

Conforming to BS 8243: 2010+A1: 2014, the HUD/MED-WE enables users to discreetly and conveniently signal for help, it's that simple.



[for more information scan here](#)

Partcode	HUD/MED-WE
<b>Technical specifications</b>	
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 EURO (using the wireless expander)



Now compatible with UR2-WE



## Mimicking the tones of the control panel\*

The SPEAKER/SOUNDER-WE replicates the chime, entry/exit, alarm, fire and even PA tones of the control panel to keep the user completely aware of any system activity while they're on-site. Distribute the sound evenly across the property to grab the attention and deliver total security with total awareness.

## A bright courtesy light for complete reassurance

The in-built bright courtesy light of the SPEAKER/SOUNDER-WE will provide visual indication of system activity; illuminating the entrance as the user enters/exits, strobing in the event of an alarm activation, slow flashing for a chime and illuminating constantly as a safety light in the event of a fire. This can also be useful for deaf or hard of hearing users.

## Lighting a path if the power fails

In the event of a mains power fail, the SPEAKER/SOUNDER-WE's bright courtesy light will illuminate for up to 30 minutes. So, in the event of a power outage the SPEAKER/SOUNDER-WE will provide a comforting light for the user; resetting back to normal operation as soon as the power is restored. Don't leave users in the dark.

## Easy installer setup

The SPEAKER/SOUNDER-WE is easy to set up and configure, but it can also be adjusted at a later stage by the user should their preferences change. Volumes can be set in five increments and the bright courtesy light can even be activated or deactivated to suit. It's completely configurable.

## Faster installation, less invasion, upsell opportunities and the same superior security with two-way wireless technology:

- **No wires, no fuss**

Fully wireless means there is no need to run wiring by lifting floorboards or moving furniture; saving time and money. Simply plug the SPEAKER/SOUNDER-WE into a mains plug socket and you're good to go.

- **One-Push-To-Learn**

A feature in all Enforcer wireless devices that means learning them onto the system can be done in seconds. A simple one-button learning feature for easy installation.

Please note: In the event of a mains fail the bright courtesy light will illuminate.

\*Compatible with Enforcer V11 and EURO-ZEM32-WE v4.03.052

Warning: The activity of SPEAKER/SOUNDER-WE's bright courtesy light in the event of strobe and flashing may not be suitable for people with photosensitive epilepsy.

SPEAKER/SOUNDER-WE	
SAP code	361301848
Specifications features	
Alarm	✓
Chime	✓
Entry/exit tones	✓
Personal attack tones	✓
Adjustable volume	✓
Safety light**	✓
Rechargeable backup battery	✓
LED indications	Blue, red and green
Electrical specifications	
Power supply	230VAC ±5%, 50Hz
Operating current	~40mA @ 230VAC
Transmission frequency	868MHz FM transceiver narrow band
Transmission method and range	Fully encrypted rolling code, 300m
Backup battery type	3.7V 250mAh, lithium-ion (non replaceable)
Other details	
Casing	3mm polycarbonate
Operating temperature	-10 to 40°C
Weight	135g
Dimensions	64 x 100 x 65mm
Certifications	
Environmental class	II



[for more information scan here](#)

## Deltabell WE/E/Plus

### Backlit Outdoor Siren



[for more information scan here](#)

Partcode	DELTABELL-WE	DELTABELL-E	DELTABELL-PLUS
<b>Key features</b>			
Sound output	101dB	104dB	104dB
Number of piezos	1	1	1
Strobe LED	✓	✓	✓
Engineer hold-off	✓	✓	✓
Comfort LED	✓	✓	✓
Illuminated cover	x	x	✓
Front and rear tamper protection	✓	✓	✓
Power supply	3V/5A Lithium battery	9-16V	9-16V
Signal Strength Indicators (SSI)	✓	n/a	n/a
Battery life (typical usage)	2	backup battery	backup battery
<b>Certifications</b>			
EN50131	Grade 2	Grade 2 & 3	Grade 2 & 3
Environmental class	IV	IV	IV

#### Visual and audible deterrent

The Deltabell Plus is a fully backlit outdoor 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; providing added protection in harsh environments. So, fit with reassurance that the Deltabell Plus will sound in the event of an alarm activation.





## Deltabell X

### With Optional Lightbox



	DELTA-BELL-X	DELTA-BELL-X +DELTA-X-LIGHT
<b>Key features</b>		
Sound output	104dB	104dB
Number of piezos	2	2
Strobe LED	✓	✓
Engineer hold-off	✓	✓
Comfort LED	✓	✓
Illuminated cover	x	✓
Front and rear tamper protection	✓	✓
Power supply	9-16V	9-16V
Signal Strength Indicators (SSI)	n/a	n/a
Battery life (typical usage)	backup battery	backup battery
<b>Certifications</b>		
EN50131	Grade 2 & 3	Grade 2 & 3
Environmental class	IV	IV



[for more information](#)  
[scan here](#)

#### 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. When an alarm is triggered the lightbox will strobe while the 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.



## 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.



DELTA-BDB	DELTA-BDR	DELTA-BDW	DELTA-BDBK	DELTA-BDA	DELTA-BDG
Deltabell base, blue	Deltabell base, red	Deltabell base, white	Deltabell base, black	Deltabell base, amber	Deltabell base, green
DELTA-CB	DELTA-CR	DELTA-CW	DELTA-CBK	DELTA-CY	DELTA-CC
Deltabell cover, blue	Deltabell cover, red	Deltabell cover, white	Deltabell cover, black	Deltabell cover, yellow	Deltabell cover, chrome
DELTA/MOD-E	DELTA/MOD-PLUS	DELTA/MOD-WE	DELTA X MODULE	DELTA-LIGHT	
Wired Deltabell module with single piezo	Wired Deltabell module with single piezo and illumination	Wireless Deltabell-WE module including the battery pack including 4x CR123A	Wired Deltabell X module with twin piezo siren	Backlight module for use with Deltabell X	

## Twin Alert

### Wired Indoor Siren

The Twin Alert combines both a speaker and siren in a single unit. This eliminates the need for two separate products situated in different locations; optimising installation efficiency.

#### Features:

- Tamper protection
- Compatible with any panel featuring a speaker output
- 100dB loudness
- Engineer hold-off



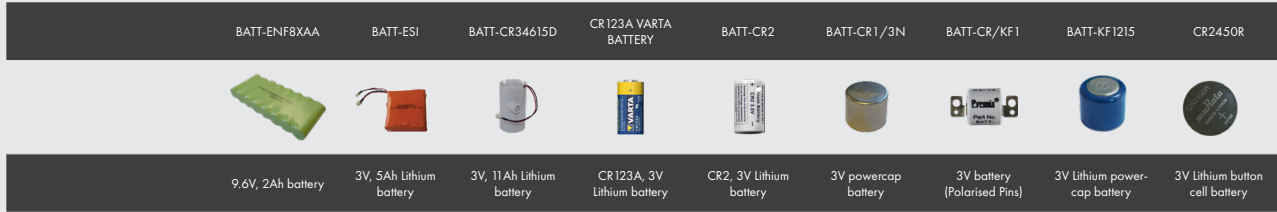
Partcode	FP10800
Sound output	100dB
Number of piezos	1
Engineer hold-off	×
Tamper protection included	✓
For indoor use	✓
Warranty (years)	2
EN50131	Grade 2
Environmental class	II



[for more information scan here](#)

# Accessories

## Batteries









ENFORCER	1							
LEDRKP/WHITE-WE	1							
DELTABELL-WE	2							
DELTABELL-WE MK(I)		1						
DELTABELL-WE MK(III)			4					
XDL12TT-WE	2							
KX10DP-WE			1					
KX10DT-WE			2					
KX12DTP-WE			2					
KX12DQ-WE			1					
KX15DC-WE			1					
KX25LR-WE			1					
MC1Z1-WE			1					
MC1Z2/SHOCK-WE			1					
MCEXTERNAL-WE			1					
MCNANO-WE								1
NANO/SHOCK-WE								2
ASSET-WE								2
CARDEFENDER-WE								2
SMOKE-WE (2nd Generation)			1					
HEAT-WE			1					
CO-WE (2nd Generation)			1					
KF4-WE MK I*					1			
KEYFOB MK II*						1		
KEYFOB-WE							1	
HUD/MED-WE								1

\*Superseded by KEYFOB-WE.





# Accessories

## Brackets, Lenses, Plastics and Cables






### KX Detectors

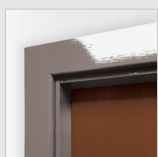
KXBRACKET-C	KXBRACKET-W	KX15-VL	KX18-LC	KX30-LR	KX-TAMPER
					
10 x Ceiling bracket for the KX range	10 x Wall bracket for the KX range	3 x Replacement volumetric lens for KX 15m	3 x Replacement curtain lens for KX 18m	3 x Replacement long range lens for KX 30m	10 x Tamper kit for the KX brackets

### 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-WALL-BRACKET. This allows the XD detectors to be positioned at 90°.	Wall bracket with rear tamper. This can be used to create 30m coverage.	Volumetric lens for the XDH. Installation 2.4m, 85°, 10m detection distance. (3pcs)



### Contacts

MC1Z SPACERS			MC1Z Plastic Kits	
MC1Z/SPACER-W	MC1Z/SPACER-BR	MC1Z/SPACER-GR	MC1Z/GR-KIT	MC1Z/BR-KIT
				


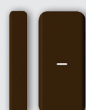


\* The spacer enables the magnetic contact to be installed on an uneven or misaligned door or window frame.

### HUD/MED Brackets

Included in the pack	
WALL BRACKET	BELT CLIP
	

### MCNANO-WE

Plastics	
MCNANO/GR-KIT	MCNANO/BR-KIT
	

### AndroidTablet Bracket

Wall brackets


# Accessories

## Brackets, Lenses, Plastics and Cables

### NANO/SHOCK-WE

Plastics

NANO/SHOCKGR-KIT

NANO/SHOCKBK-KIT

NANO/SHOCKBR-KIT



### Doorbell Bracket

DOORBELL/BACKET



### Programming Cables

RS232



RS232 programming cable

RS232USB



USB to RS232 converter cable

### Keypad and Tags

EUR-PTAG



5 x Proximity tags for the Enforcer and EURO

EUR-ETAG



5 x Proximity tags for the Enforcer and EURO

LCD-FLUSHBOX



Flushmount adapter for the EURO-LCDP/W

LCD-CASING/CHROME



Shiny chrome casing for the EURO LCDPZ/SCHROME

LCD-CASING/BCHROME



Brushed chrome casing for the EURO LCDPZ/SCHROME

LCD-CASING/BLACK



Black casing for the EURO LCDPZ/SCHROME

## Communication Leads

### Comms Ribbon

EUR-114





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