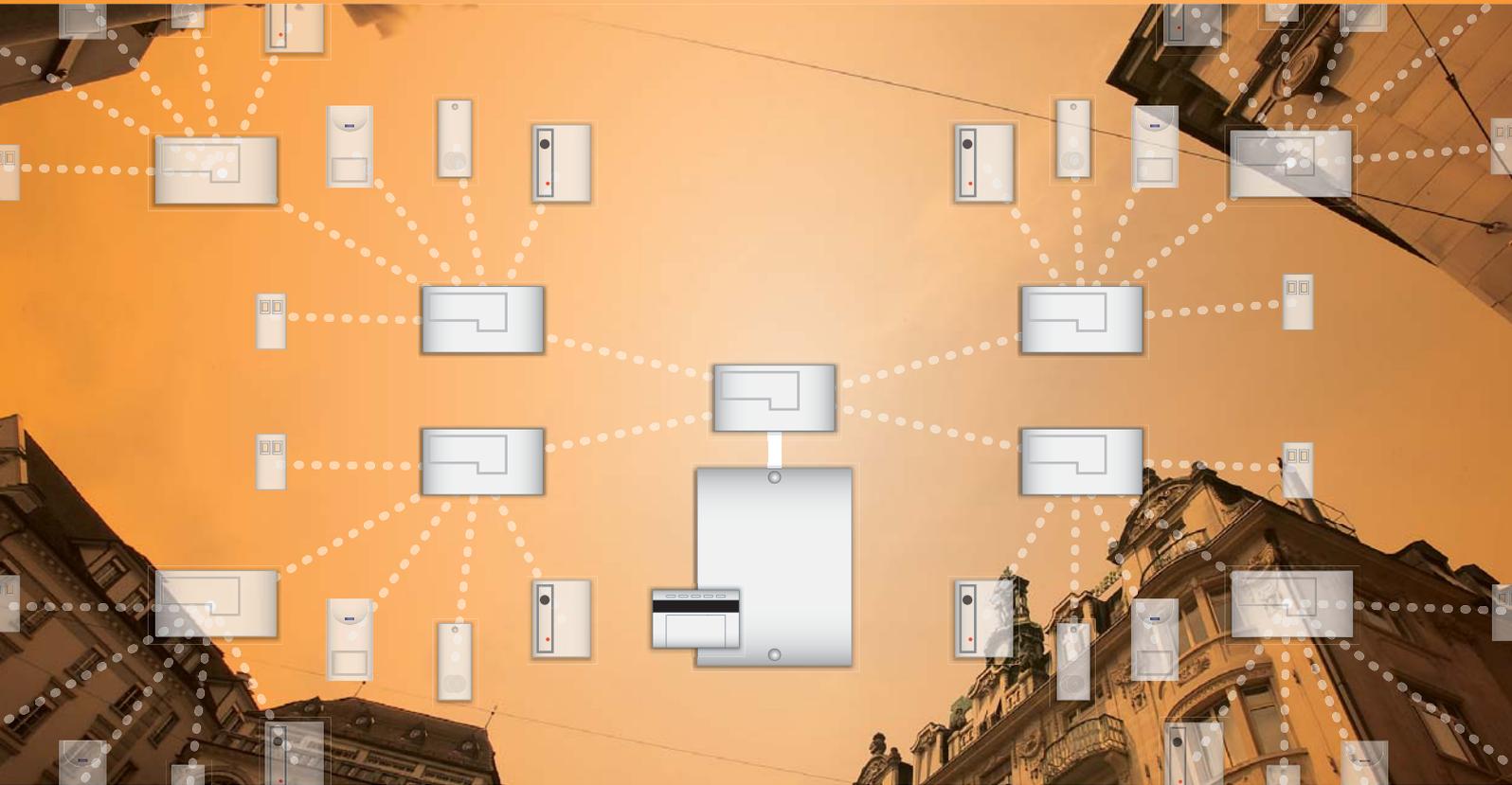


# Wireless from Castle

where security & simplicity meet

868MHz, class 6 technology



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Castle offers you a 868MHz Class 6 wireless detection solution that will not only fully integrate with the EURO-MERIDIAN range, but also work with any manufacturer's control panel.

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## Why a wireless world?

### Wireless security equipment

- Easy installation in buildings with unusual architecture such as listed buildings or those with high ceilings, sealed walls, mirrored or glass walls.
- A great solution for new and retrofit installations, or remote monitoring applications, as the flexible design concept of wireless products allows for the expansion of a current system.
- Save on the cost of cable and installation time - great for meeting deadlines and cost constraints.
- Virtually any size system can be created reliably and economically with reliable, proven technology.

### 868MHz EchoEnhanced Technology™

- Most 868MHz wireless products run on one narrow-band channel (0.1MHz wide), broadcasting at only 10mW of power. EchoEnhanced

technology™ broadcasts with 25mW of power on a number of different channels.

- Castle wireless products transmit on a number of different channels across a 10MHz band to maximise range and reliability making signal transmission almost impossible to block.
- Broadcasting with 25mW of power gives a 'line-of-sight' range up to 1km; offering superior building penetration.
- Fully supervised with regular polling; keeping you informed of any device failure, batteries at a low level, or if the device is removed from site.
- Compatible with the EchoEnhanced™ Repeater. The repeater acts as a range expander for any EchoEnhanced™ transmission it hears. This gives the flexibility to cover vast areas with confidence.

# Castle's wireless world.

## Expanders

### EURO MERiDIAN radio input (zone) expander



This input expander enables wireless inputs to be added to control panels in the EURO MERiDIAN range. Depending on its mode of operation, it will accept signals from 7 or 29 wireless transmitters. Assigning the devices to individual zones is simple and the signal strength is displayed for each transmitter.

**Partcode: EUR-037R**

### Generic radio input (zone) expander



Enables wireless inputs to be added to any control panel. The Kit consisting of an input expander and relay output module.

It boasts 2 operation modes; mode 0 enables 7 wireless detectors to be assigned with individual tampers and in mode 1, 13 wireless detectors can be assigned with one global tamper.

**Partcode: RAD-KIT**

### Wireless repeater



Intelligently amplifies transmissions from any EchoEnhanced series transmitter whilst ignoring background noise and interference. This product is ideal for large installations such as multi-floor buildings, multi-building sites, shopping centres and campuses. Any number of repeaters can be added to a system and unit includes a backup lithium-ion battery.

**Partcode: EE5000**

## Receivers

Wirelessly enable any control panel using receivers. With flexible choices for managing the wireless network; configure, enable and monitor the network, providing you with the ultimate benefit of wireless with any application.

### Receivers with LED display



These 4 transmitter and 5 output receivers allow the programming and supervision of 4 transmitters with any control panel. Easily visible and clearly labelled alarm and fault LEDs confirm operation at a glance. Transmitters can be easily programmed at the touch of a button.

**4 Transmitters & 5 Outputs:**

**Partcode: EE4204**

**4 Transmitters & 5 Relay Outputs:**

**Partcode: EE4204R**

### Receivers with LCD display



These receivers allow up to 32 wireless transmitters and 12 outputs on any control panel. A built-in LCD display to shows the status of all transmitters, allowing you to determine the exact fault or alarm. Transmitters can be easily programmed at the touch of a button. A tamper terminal is provided in the receiver, allowing for an external tamper switch to increase product security.

**32 Transmitters & 12 Outputs:**

**Partcode: EE4232M**

# Transmitters

Based on EchoEnhanced technology™, these transmitters have excellent range and reliability making them the ideal solution for both domestic and commercial applications. They can be used with any standard N/O, N/C contact, are fully supervised and supplied with a battery with a life span of up to 5 years.

## Generic transmitter with wall tamper



This universal transmitter can be used with any standard contact or detector. It includes a wall tamper switch

which notifies the system in the event of the transmitter being removed from its mounted surface. This transmitter is perfect for high security installations that require a tight supervision window and the continuous polling ensures reliability.

Partcode: EE1215

## Door/window transmitter with wall tamper



This universal transmitter with an integral wall tamper switch has a magnetic reed switch on the side which supports up to

a 15mm gap. The internal reed switch can be used in tandem with an external switch. It has a wall tamper switch which notifies the system in the event of the transmitter being removed from its mounted surface. Continuous polling ensures reliability.

Partcode: EE1215W

## Transmitter with wall tamper and shock sensor



This universal transmitter with integrated shock sensor and adjustable sensitivity offers excellent perimeter

protection. The tri-colour LED indicates the status of the transmitter.

The wall tamper notifies the system in the event of a sabotage attempt and the fully supervised wireless link ensures reliability.

Partcode: EE1266

# Pendants / Panic Attack Buttons (PAB)

A wide range of 25 mW wireless pendants / PABs means that there is virtually no limit to the applications. Cover large sites and such as industrial premises and multi-level buildings with ease. Each pendant has low battery alert and is fully supervised, ensuring its presence on-site at all times.

## Pendant - water resistant



This compact pendant is ideal for assisted living installations with its single button or double button

press-and-hold activation. Weighing less than 40g, it comes with a neck cord and belt clip. Like all our pendants, a fully supervised wireless link ensures reliability.

Single button partcode:

Partcode: EE1223S

Double button partcode:

Partcode: EE1223D

## Pendant - with necklace



This necklace pendant transmitter features a robust design with simple, single button or double button

activation. It comes with a neck cord or it can easily be mounted for fixed position signalling. The pendant automatically supervises the wireless link and an LED flashes with all transmissions.

Single button partcode:

EE1233S

Double button partcode:

EE1233D

## Belt clip transmitter



This belt clip pendant transmitter comes with a belt clip or can easily be mounted for fixed position

signalling and features simple, single-button or double button activation options. The pendant automatically supervises the wireless link and an LED flashes with all transmissions.

Single button partcode:

EE1235S

Double button partcode:

EE1235D

# Specialised transmitters

A range of specialised transmitter/ detector combinations offers wireless solutions for almost any application. Each feature increased immunity to interference, vibration, static, lightning, ambient temperature changes to minimise false alarm activations.

## Smoke Detector



This wireless smoke detector self-monitors and alerts the user if it drifts out of the desired sensitivity

range or fails internal diagnostics and send a CleanMe™ fault to the wireless receiver.

- Replaceable optical chamber eliminates the need for factory recalibration
- CleanMe™ signal indicates when the smoke detector is in need of service
- Batteries supplied for up to five years of operation

**Partcode: EE1242**

## PIR Detector



This PIR detector is perfect for residential and low-traffic commercial applications. Digital

signal processing enhances stability and minimises false alarm activations. The housing is tamper proof and continuous polling ensures reliability.

**Partcode: EE1261**

## 360° PIR Detector



This ceiling mount detector features a wireless four-element sensor. This detector is equipped with a special lens

that offers wide coverage patterns, even at low mounting heights and is immune to sunlight, halogen and fluorescent lights.

**Partcode: EE1265**

## Glassbreak Detector



This glassbreak detector utilises ShatterPro II pattern recognition technology™ for proven performance, extended range and increased immunity to false alarm activations.

This technology also features an automatic test feature and is self-monitoring, alerting users when maintenance is needed.

- 6m range from detector to window
- Recognises the actual pattern of glass breaking across the full audio band

**Partcode: EE1247**



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