Commercial Wireless Quick Guide

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Flexible. Scalable. Easy to install. Only from Bosch.

Commercial security applications are becoming increasingly challenging. As your customers' needs change, you need the ability to adapt to their requests quickly and effectively. In many cases, reacting rapidly to a customer's needs is the key to winning a sale.

Commercial Wireless delivers the flexibility and easy installation that will help you meet these needs. You can easily move our wireless detectors as your customers' requirements change (e.g., when they change floor plans or rotate stock). Portable transmitters are an essential part of personnel security as employers become increasingly aware of these risks and look for solutions.

A Bosch Exclusive

Commercial Wireless uses a unique protocol and is available only to Bosch dealers. This provides you with the best performance available and protects your business by ensuring that only authorized dealers can service the system. Commercial Wireless provides more than 200 wireless points per system when integrated with Bosch G Series Control Panels – and you can use Commercial Wireless on any system by deploying 4- or 16-point relay receivers.

Ideal Solutions for Multiple Applications

Commercial Wireless ensures superior range, reliability, and scalability for many commercial applications, including:

- **Banking:** Customers can use portable pendants for teller and manager panic transmission. Bill traps in the cash drawers will provide a simple, automatic report. And they can add an extra receiver inside the vault to ensure coverage and maintain supervision signals.

- **Commercial/Industrial:** Commercial Wireless repeaters can cover large warehouses and factories without running wires. You can place the customers' sensors and detectors where you need them, not just where you can get a wire!

- **Retail:** Commercial Wireless transmitters can protect portable displays and retail "islands" such as jewelry and make-up kiosks within the store. You can also provide bill traps and panic pendants for additional protection for retail personnel.

System Overview

The Commercial Wireless platform is powered by Inovonics wireless mesh network technology. Using a wide range of transmitters and repeaters, this proven technology provides flexibility and performance to meet the most stringent requirements. This exclusive protocol is available only on Commercial Wireless products. The Commercial Wireless platform uses diversity reception and advanced signal processing to reduce dead spots in transmission areas. The transmitters have superior range and reliability, and are ideally suited for commercial and residential installations.

Superior Range and Reliability with 900 MHz Band

The Commercial Wireless platform provides superior range and reliability by sending redundant information on several multi-frequency channels within the FCC Part 15 900 MHz band. In comparison, systems that use a single frequency technology can only send information on one narrow band channel – and any interference can cause missed signals.

Easy Installation with Wireless Registration

With wireless registration, it's easy to add Commercial Wireless technology to any application. There is no external programmer required – the transmitter is enrolled using a wireless programming routine that's built into the receiver. This wireless registration reduces your installation time.

Excellent Supervision and Expansion

Transmitter supervisory check-in and a transmitter-specific supervisory window are defined in the receiver. They support sites with both removable pendants and fixed-position transmitters. The technology also supervises repeaters.

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Pendant Transmitters

Pendant Transmitters provide single- and two-button activation. Single-button designs are ideal for assisted living installations, whereas the two-button design reduces accidental activation. One light emitting diode (LED) flashes with all transmissions, including supervision, to clearly show users when the unit is operating. Pendants include a belt clip and a battery. They can also be mounted for fixed position signaling, adapting to a wide range of installations.

Universal Transmitters

The Universal Transmitters can make nearly any Normally Open (NO) or Normally Closed (NC) sensor a wireless device. The Universal Transmitters work with shock sensors, holdup buttons, pressure mats, temperature sensors, status relays, and other devices. They are fully supervised and include screw closure housings, cover tampers, and wall tampers.

Motion Detectors

You can provide a range of motion detectors suitable for any application, including residential and commercial, with wall-mount, ceiling-mount, pet-friendly, and high-traffic models.

Specialty Transmitters

These transmitters can support special applications, including smoke and glass break detection, as well as high-security applications such as retail or banking.

Pendant Transmitters	
ISW-EN1223D	Double-button water-resistant pendant transmitter ⓝ
ISW-EN1223S	Single-button water-resistant pendant transmitter
ISW-EN1233D	Double-button pendant transmitter
ISW-EN1233S	Single-button pendant transmitter
ISW-EN1235D	Double-button belt clip pendant transmitter
ISW-EN1235DF	Double-button fixed position hold up transmitter ⓝ
ISW-EN1235S	Single-button belt clip pendant transmitter
ISW-EN1235SF	Single-button fixed position holdup transmitter ⓝ

Universal Transmitters	
ISW-EN1210	Single input universal transmitter
ISW-EN1210EOL	Single input universal transmitter, EOL protection ⓝ
ISW-EN1210W	Door/window transmitter with reed switch
ISW-EN1215EOL	Universal transmitter with wall tamper ⓝ
ISW-EN1215WEOL	Door/window transmitter with wall tamper and reed switch

Motion Detectors	
ISW-EN1260	Wall mount motion detector
ISW-EN1261HT	High Traffic Motion Detector
ISW-EN1262	Motion detector with pet immunity
ISW-EN1265	360° Ceiling mount motion detector

Specialty Transmitters	
ISW-EN1242	Smoke detector transmitter
ISW-EN1247	Glass-break detector transmitter
ISW-EN1249	Bill Trap ⓝ

Site Survey Kit

The Site Survey Kit is a portable tool that you can use to conduct a quick and accurate site survey. You can easily determine the optimum location for transmitters and repeaters.

Interface for G Series Panels

This simple interface for G Series panels provides an easy-to-follow menu that allows installers to quickly add and change transmitters.

Receivers

Seamlessly integrate Commercial Wireless platform transmitters into a wireless network with G Series Control Panels. They provide individual point annunciation with trouble conditions for each transmitter. Receivers are also available with relays for connection to other control panels.

Repeaters

The line-powered 900 MHz ISW-EN5040-T High-Power Repeater receives, decodes, and re-transmits signals from Commercial Wireless platform transmitters. The repeater acts as a range expander for any transmission, allowing the installation to scale from smaller commercial sites to large campuses with several buildings. They include an on-board, state-of-the-art lithium ion back-up battery.

Site Survey Kit	
ISW-EN7016	Wireless survey kit
ISW-EN1210SK	Survey kit universal transmitter
ISW-EN1223SK	Survey kit pendant transmitter

Interface for G Series Panels	
ISW-D8125CW	Interface

Receivers	
ISW-EN7280	Serial receiver/translator kit
ISW-EN4200	Serial Receiver
ISW-EN4204R	Four zone add-on receiver with relay outputs
ISW-EN4216R	16 zone add-on receiver with relay outputs ⓝ

Repeaters	
ISW-EN5040-T	High power repeater with transformer ⓝ

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