

PowerCode™ Wireless



WIRELESS

Fully supervised wireless
system

PowerCode



Features

- Code-Secure™ technology
- Fully supervised
- Attractive, elegant design
- Reporting of tamper and RF signal jamming
- Transmitter inactivity and low battery indication
- Long-life lithium battery included
- Extended communication range
- Anti-collision signaling
- Waterproof products
- Easy to install and operate
- 16 million different code combinations



Visonic Ltd

Wireless alarm systems are one of the fastest growing segments of the security industry. This tremendous growth is attributed to the significant reduction in the cost of labor when installing wireless systems compared to hardwire systems. Reliability and ease of installation are essential elements when considering wireless products. Visonic Ltd's fully supervised wireless products provide the features that professional installers require: reporting of low battery, tamper protection, RF signal jamming, and transmitter inactivity. Visonic Ltd's innovative Code-Secure™ technology ensures that transmitter signals used for arming and disarming control panels, or opening doors and gates, are always secure. Visonic Ltd also incorporates a unique "anti-collision" transmission sequence in its PowerCode™ transmitters. The "anti-collision" feature assures that signals transmitted at the same time are acknowledged by the receiver. Visonic Ltd's PowerCode™ series of wireless equipment is easy to install, easy to use, and provides reliable operation day in and day out.

The importance of Code-Secure™ technology

Code-Secure™ technology is extremely important when mobile transmitters are used. Cellular phone codes, car alarm and garage door opener codes are particularly at risk. Potential intruders copy, or "clone", security alarm system codes and use them to disarm alarm systems whenever they choose. Visonic Ltd's Code-Secure™ transmitters solve this problem. Every time a Visonic Ltd Code-Secure™ transmitter sends a signal, it uses a different code known only to its intended receiver. The result is a secure system that cannot be cloned, copied or grabbed.

The reliability of Supervision

Visonic Ltd's fully supervised fixed and handheld transmitters are wireless signaling devices designed for integration with alarm systems. An hourly Supervision Message informs the receiver of an active presence of a transmitter in the system and its status. In case of an alarm, a message is transmitted to the receiver along with the ID of the alarm device. For increased system reliability, improved maintenance and enhanced trouble detection capability, Visonic Ltd's fully supervised transmitters lead the way.



Mobile transmitters

MCT-131



MCT-132



MCT-134



MCT-131, MCT-132 and MCT-134 Transmitters

MCT series handheld transmitters provide Code-Secure™ technology and are available in one, two and four-button configurations. A long-life lithium battery is included with each transmitter, and low battery signals are reported to the receiver.

• Supervised versions MCT-101, MCT-102, and MCT-104 available

MCT-231/MCT-231WP (Waterproof)

Small and compact pendant/keychain-style transmitters fit easily into a pocket or on a necklace. Both provide Code-Secure™ technology and will report low battery signals to the receiver.



MCT-211 Wristband Transmitter

A waterproof wristband transmitter is the perfect solution for personal emergency signaling when the transmitter needs to be within easy reach at all times.



Stationary transmitters & detectors

Stationary transmitters provide low battery supervision and are powered by a long-life 3.6 V lithium battery. A supervisory signal is sent every 60 minutes to ensure that the transmitters are in place and operational.

MCT-302

Magnetic Contact

The MCT-302 is one of the smallest wireless magnetic contacts in the industry.

It features a built-in reed switch and an auxiliary hardwired input, programmable as either N.C. or N.O. with an End-of-Line (E.O.L.) resistor. The auxiliary input can be used with additional products, such as pushbuttons, detectors, magnetic contacts and more. An LED lights during transmission, whenever alarm or tamper signals are reported.



MCT-100 Universal Transmitter

The MCT-100 provides two inputs that can be used to transmit signals from hardwire magnetic contacts, battery-operated glassbreak detectors, or any other device that provides N.O. or N.C. output. The MCT-100 inputs can be configured as N.O., N.C. or E.O.L. resistor.



MCPIR-3000 Wireless Detector

The MCPIR-3000 is the most compact wireless PIR detector in the industry. It provides a standard 12m X 12m (40' X 40') pattern. Adjustable pulse count, vertical adjustment and a visible light rejection filter virtually eliminate false alarms.



K-940 MCW Wireless Pet Immune Detector

The K-940 MCW offers similar features as the MCPIR-3000, and provides pet immunity for animals up to 18 kg (40 lb).

MCT-423 Smoke Detector

The MCT-423 is a low current smoke detector that uses advanced photoelectric technology to detect smoke or fire. Upon smoke detection, the MCT-423 initiates an audible sound and sends an RF transmission.



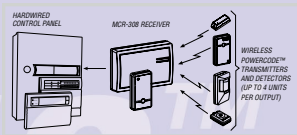
Receivers

MCR-308 Receiver

The MCR-308 is a superheterodyne UHF receiver designed to convert virtually any hardwired alarm panel into a fully supervised wireless system. This receiver provides 4 zone outputs, with up to four transmitters per zone, and four reporting outputs: tamper, inactivity, low battery and RF signal jamming. By using the MCX-8 expander module, this receiver can provide up to 28 outputs, utilizing 112 transmitter devices.



The MCR-308 converts hardwired alarm control panels into a fully supervised wireless system.



RL-8 Output Adapter

The RL-8 is an "open collector-to-dry contact" adapter, designed to serve as an interface unit between the outputs of the MCR-308 and alarm control panels that require dry contact zone inputs.

MCR-304 Receiver

The MCR-304 is a superheterodyne UHF receiver designed for smaller systems. The MCR-304 provides a one zone (N.O./N.C.) output and three reporting outputs (tamper, low battery and inactivity). Up to ten transmitters can be assigned to the alarm output. The MCR-304 "learns" the ID of selected transmitters and will provide visual feedback upon successful enrollment of the transmitter(s) into the system.

Easy Learn Mode

Coding transmitters is a quick and easy operation. Simply set the receiver to the "learn" mode, and send a transmission to the receiver. The receiver will provide both visual and audible feedback upon successful enrollment of the transmitter into the system.

The receiver uses a non-volatile EEPROM memory. In the unlikely event of power loss, all programming information will be retained.

Expanders

MCX-8 Expander

This module is used in applications that require more than 16 transmitters, or when more than four separate outputs are needed.

Each MCX-8 provides eight zone outputs (up to four transmitters per output). Up to three expanders can be used with a single MCR-308, permitting up to 28 outputs and 112 transmitters in a single system.

MCX-600 Expander

This module is a microprocessor-controlled wireless repeater, designed to relay digital data between wireless PowerCode™ transmitters and a target PowerCode™ receiver. If the distance between the transmitters and the target receiver is too large to be covered by one repeater, several auxiliary repeaters may be added along the communication path. This way, a multi-level network is created. Up to 16 repeaters can be added to the systems. The MCX-600 is not compatible with Code-Secure™ devices.

Stationary transmitters & detectors



K-940MCW
Pet Immune Detector



MCT-100
Universal Transmitter



MCT-423
Smoke Detector



MCT-302
Magnetic Contact

Receivers



MCR-308
Four-Zone Receiver



MCR-304
One-Zone Receiver



MCT-231
MCT-231 WP
Pendant-Style Transmitters



MCT-211
Waterproof
Wristband-Style
Transmitter



MCT-134
Four-Button Handheld
Transmitter



Visonic Ltd fully supervised wireless components are supported by every control panel on the market. Innovation and quality are built into every Visonic Ltd product. Code-Secure™ and Anti-Collision technologies combined with extra long-life batteries ensure signal integrity, reliability, and performance that cannot be matched.

Mobile transmitters



Product	Description	Power Supply	Current Consumption	Battery Supervision	Type	Color	Dimensions
Handheld Transmitters							
MCT-101*	One-Button	3.6 V lithium battery	1 μ A standby 6 mA operation	Manual	Supervised (selectable)	Gray	105 x 45 x 26 mm (4-1/8 x 1-3/4 x 1 in.)
MCT-102*	Two-Button	3.6 V lithium battery	1 μ A standby 6 mA operation	Manual	Supervised (selectable)	Gray	105 x 45 x 26 mm (4-1/8 x 1-3/4 x 1 in.)
MCT-104*	Four-Button	3.6 V lithium battery	1 μ A standby 6 mA operation	Manual	Supervised (selectable)	Gray	105 x 45 x 26 mm (4-1/8 x 1-3/4 x 1 in.)
MCT-131	One-Button	3.6 V lithium battery	0.1 μ A standby 6 mA operation	Manual	Code-Secure™	Gray	105 x 45 x 26 mm (4-1/8 x 1-3/4 x 1 in.)
MCT-132	Two-Button	3.6 V lithium battery	0.1 μ A standby 6 mA operation	Manual	Code-Secure™	Gray	105 x 45 x 26 mm (4-1/8 x 1-3/4 x 1 in.)
MCT-134	Four-Button	3.6 V lithium battery	0.1 μ A standby 6 mA operation	Manual	Code-Secure™	Gray	105 x 45 x 26 mm (4-1/8 x 1-3/4 x 1 in.)
Pendant-Style Transmitters							
MCT-201	One-Button	12 V alkaline battery	0 at standby 6 mA operation	Manual	Non-supervised	Gray	32 x 53 x 17 mm (1-1/4 x 2-1/8 x 11/16 in.)
MCT-231	One-Button	3 V alkaline battery	0.1 μ A standby 6 mA operation	Manual	Code-Secure™	Gray	32 x 53 x 17 mm (1-1/4 x 2-1/8 x 11/16 in.)
Waterproof Pendant-Style Transmitters							
MCT-201WP	One-Button	12 V alkaline battery	6 mA operation	Manual	Non-supervised	Gray	32 x 53 x 17 mm (1-1/4 x 2-1/8 x 11/16 in.)
MCT-201AT	Sealed Waterproof	3 V lithium battery	1 μ A standby 9 mA operation	Manual	Non-supervised	Gray	32 x 53 x 17 mm (1-1/4 x 2-1/8 x 11/16 in.)
MCT-231WP	One-Button	3 V alkaline battery	0.1 μ A standby 6 mA operation	Manual	Code-Secure™	Gray	32 x 53 x 17 mm (1-1/4 x 2-1/8 x 11/16 in.)
Waterproof Wristband-Style Transmitter							
MCT-211	One-Button	3 V lithium battery	4.5 mA operation	Manual	Non-supervised	Black	\approx 35 mm (1.4 in.)
Universal & Magnetic Contact Transmitters							
MCT-100	Universal Transmitter	3.6 V lithium battery	5 μ A standby 6 mA operation	Automatic	Supervised	White	110 x 63 x 25 mm (4-5/16 x 2-1/2 x 1 in.)
MCT-302	Magnetic Contact Transmitter	3.6 V lithium battery	5 μ A standby 8 mA operation	Automatic	Supervised	White	81 x 22 x 23.5 mm (3-3/16 x 7/8 x 15/16 in.)
Wireless Detectors							
MCPIR-3000	Passive Infrared	3.6 V lithium battery	15 μ A standby 9.5 mA operation	Automatic	Supervised	White	104 x 60 x 32 mm (2.4 x 4.1 x 1.3 in.)
K-940 MCW	Pet Immune PIR	3.6 V lithium battery	15 μ A standby 9.5 mA operation	Automatic	Supervised	White	104 x 60 x 32 mm (4-1/10 x 2-2/5 x 1-1/3 in.)
MCT-423	Smoke Detector	9 V alkaline battery	30 μ A standby 20 mA operation	Automatic	Supervised	White	140 x 50 mm (5-1/2 x 2 in.)
Receivers							
MCR-308	Four-Zone Receiver	10.5-16 VDC	45 mA	—	Supervised and Code-Secure™	White	108 x 165 x 38 mm (4-1/4 x 6-1/2 x 1-1/2 in.)
MCR-304	One-Zone Receiver	12 VDC	32 mA	—	Supervised and Code-Secure™	White	110 x 63 x 25 mm (4-5/16 x 2-1/2 x 1 in.)
Accessories							
MCX-600	Repeater / Range Expander	13-20 VDC, or 11-16 VAC, 100 mA min	—	—	Supervised only	White	110 x 63 x 25 mm (4-5/16 x 2-1/2 x 1 in.)
MCX-8	8 Zone Expander	12 VDC	—	—	n/a	White	108 x 165 x 38 mm (4-1/4 x 6-1/2 x 1-1/2 in.)
RL-8	8 Relay Output Adapter	10.5-16 VDC	5 mA per relay	—	PCB only	—	96 x 67 x 15 mm (3-5/8 x 2-5/8 x 19/32 in.)

*Models with inactivity supervision must remain within the range of the receiver at all times for proper operation.

Note: Operating Temperatures 0° - 49° C (32° - 120° F)

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Visonic Ltd

Committed to Advancing Security