



Spectra SP Expandable Security Systems

Spectra SP offers a combination of innovative features and an advanced communication bus for a unique expandable security system. Through its communication bus, Spectra SP can be expanded via wireless and hardwired expansion modules and a variety of accessory modules. With its reliable communication technology, flexible expansion and great-looking keypads, Spectra SP is an ideal security system for any residential or commercial installations that require up to 32 zones of protection.

Spectra SP is StayD-enabled, which provides a heightened level of security that ensures that the system is always armed, never disarmed. The panels also offer more on-board zones (expandable to 32), more on-board PGMs (expandable to 16), and support for the new Plug-In Voice Module (VDMP3) and Internet Module (IP100).

With their in-field firmware upgrade capability, the Spectra SP series allows installers to upgrade their system without hassle - quickly, easily and on site. And to further facilitate installation, every Spectra SP series panel can be configured using easy-to-follow menu-driven programming.

Feature	SP5500	SP6000	SP7000
StayD	✓	✓	✓
Maximum Zones	32*	32*	32*
On-board Zones	5 (10 with ATZ)	8 (16 with ATZ)	16 (32 with ATZ)
Expansion Zones	24	24	16
Keypad Zones	15	15	15
Partitions	2	2	2
User Codes	32	32	32
PGMs	16* (2 on-board)	16* (2+2† on-board)	16* (4 on-board)
PGM +/- Trigger	-	✓	✓
Alarm Relay	-	1†	1
Event Buffer	256	256	256
Remote Control	32	32	32
Wireless Keypads (K32RF and K37)	8	8	8
Wireless Repeater (RPT1)	2	2	2
Wireless Siren (SR150) See page 47	4	4	4
Wireless Expansion (RTX3)	✓	✓	✓
2 Wire Smoke Detector Input	-	✓	✓
GPRS/GSM Communication (PCS Series) See page 14	✓	✓	✓
Internet TCP/IP Communication (IP100) See page 15	✓	✓	✓
Plug-In Voice Module (VDMP3) See page 14	✓	✓	✓
In-field Firmware Upgradeable	✓	✓	✓

* = Any of which can be wireless

† = Optional

Control Panels



STAY D

SP5500 | 5 to 32 Zone Control Panel

- StayD mode: see inside cover for details
- 4 wire expansion bus (connect up to 15 keypads and up to three ZX8/ZX8SP modules to a maximum total of 15 modules)
- 5 zone inputs or 10 with zone doubling, expandable to 32 zones
- 2 on-board PGMs
- Supports up to 16 PGMs
- 2 partitions
- 32 User Codes
- Supports GPRS and GSM Module (PCS Series), IP Module (IP100) and Voice Module (VDMP3). See "Communication Modules" on page 13.
- Supports REM3 hand-held remote keypad (require RTX3 V1.31 or higher)
- 1.1A switching power supply
- In-field firmware upgradeable via a 307USB and WinLoad
- Menu-driven programming for the Installer, Master and Maintenance codes
- Phone #: 3 for monitoring station, 5 for personal dialing and 1 for pager reporting
- Patented 2 opto coupler dialer circuit - the most reliable dialer in the industry (US Patents 5751803, RE39406)
- Automatic Daylight Savings Time feature
- Push button software reset (reset to default values and restart)
- Direct connect at 9.6k baud with WinLoad
- 256 events buffered
- Fits in 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) and 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal boxes



STAY D

SP6000 | 8 to 32 Zone Control Panel

Same features as the SP5500 plus:

- 8 zone inputs or 16 with zone doubling, expandable to 32 zones
- 2 (+2 optional) on-board PGM outputs, positive or negative triggering
- 1 alarm relay (optional)
- 1.5A switching power supply



STAY D

SP7000 | 16 to 32 Zone Control Panel

Same features as the SP6000 plus:

- 16 zone inputs or 32 with zone doubling, expandable to 32 zones
- 4 on-board PGM outputs, positive or negative triggering
- 1 alarm relay



UDS | WinLoad Installer Upload/Download Software

- See full description on page 18

Hardwired Keypads

Features Common to All Hardwired Keypads

- Supports StayD
 - 1 keypad zone input
 - 8 one-touch action buttons
 - Independently set chime zones
 - 3 keypad-activated panic alarms
 - Connects to 4 wire expansion bus
 - Compatible with E55/65*, MG5000, MG5050 and Spectra SP Series
- *Except K32LCD



STAY D

K32LCD | 32 Character Hardwired LCD Keypad

- 32 character blue LCD with programmable labels
- Real-time zone alarm display (until disarmed)
- Menu-driven programming for easy system setup (installer and end user)
- StayD status LED
- In-field firmware upgradeable via a 307USB and WinLoad
- Adjustable backlight, contrast and scroll speed
- 2 partition keypad
- See Features Common to All Hardwired Keypads on page 29



STAY D

K35 | 32 Zone Hardwired Fixed LCD Keypad

- Fixed message display that guides you in the operation of the system
- Displays the status of 32 zones in 2 partitions
- StayD status icon
- In-field firmware upgradeable via a 307USB and WinLoad
- Displays Arm, Sleep, Stay and Disarmed status for each partition
- Displays troubles, bypassed zones and alarm memory
- Adjustable backlight
- 2 partition keypad
- See Features Common to All Hardwired Keypads on page 29



STAY D

K32 | 32 Zone Hardwired LED Keypad

- 32 zone LED display
- StayD status icon
- In-field firmware upgradeable via a 307USB and WinLoad
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Adjustable backlight
- 2 partition keypad
- See Features Common to All Hardwired Keypads on page 29



K10V

STAY D

K10V | 10 Zone Hardwired LED Keypad (Vertical)

K10H | 10 Zone Hardwired LED Keypad (Horizontal)

- 10 zone LED display
- StayD status LED
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Patented Key Light display (button lights up to indicate an open zone)
- Adjustable backlight
- 2 partition keypad
- See Features Common to All Hardwired Keypads on page 29



K10H



K636 | 10 Zone Hardwired LED Keypad

- Single partition keypad
- 10 zone LED display
- StayD status LED
- Patented Key Light display (button lights up to indicate an open zone)
- Arm, Sleep, Stay and Off keys illuminate to indicate partition status
- Adjustable backlight
- See Features Common to All Hardwired Keypads on page 29

Hardwired and Wireless Expansion Modules



ZX8SP | 8 Zone Expansion Module

- ZX8SP is compatible with the Spectra SP series, E55/65, MG5000 and MG5050
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input



ZX8 | 8 Zone Expansion Module

- See full description on page 22



RTX3 | Wireless Expansion Module

- See full description on page 8
- Supports SR150 Wireless Siren (see page 47)

System Accessories



PGM4 | 4 PGM Expansion Module

- See full description on page 25



HUB2 | 2 Port Hub and Bus Isolator

- See full description on page 25




PMC5 | Hand-Held Plug-in USB Memory Key

- See full description on page 26



307USB | Direct Connect Interface

- See full description on page 26



MG5000: 2 to 32 Zone Wireless Transceiver Control Panel


MG5050: 5 to 32 Zone Wireless Transceiver Control Panel

Wireless Keypads and Remotes



K37 K32RF REM3 REM2 REM1


Hardwired Keypads



K32LCD

- K32LCD: 32 Zone LCD Keypad
- K35: 32 Zone Fixed LCD Keypad
- K32: 32 Zone LED Keypad
- K10V: 10 Zone LED Keypad (Vertical)
- K10H: 10 Zone LED Keypad (Horizontal)
- K636: 10 Zone LED Keypad (1 Partition)


Expansion Modules



ZX8

- ZX8SP: 8 Zone Expansion Module
- ZX8: 8 Zone Expansion Module
- PGM4: 4 PGM Expansion Module

PCS Series GPRS / GSM Communicator Modules



- Report via GPRS with Paradox IP Monitoring Receiver (IPR512)
- Upload/download with WinLoad via GPRS
- Report via GSM
- Send and receive SMS messages
- Connect directly to panel via 4-pin port


IP100 Internet Module

- Report via IP with Paradox IP Monitoring Receiver (IPR512)
- Send e-mails
- Control and monitor via web browser
- Connect directly to panel via 4-pin port

VDMP3 Plug-In Voice Module

- Send voice messages (5 phone numbers)
- Control and monitor via phone
- Mount on control panel or PCS module

Wireless Devices



RPT1 2WPGM SD738

DCT10 DCTXP2 DCT2 SR150

PMD85 PMD75 PMD1P

Accessories

- PMC5: Memory Key
- 307USB: Direct Connect Interface
- WinLoad: Installer Software
- APR3-HUB2: 2 Port HUB

Magellan Wireless Transceiver Security Systems

The Magellan line of two-way wireless security systems provides you a combination of security, wireless convenience, easy installation and attractive customer features. Magellan is StayD-enabled, which provides a heightened level of security that ensures that the system is always armed, never disarmed. Also, the Magellan control panels can be expanded to provide you with more features, such as the new Plug-In Voice Module (VDMP3) and the TCP/IP Internet Module (IP100).

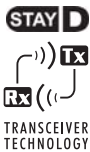
With their in-field firmware upgrade capability, Magellan control panels allow you to upgrade your system without hassle - quickly, easily and on site. And to further facilitate installation, every Magellan control panel can be configured using easy-to-follow menu-driven programming.

The features and benefits of the MG5000 and MG5050 make the Magellan line of wireless control panels ideal for any residential or small commercial installation requiring up to 32 zones of protection.

Security Features	MG5000	MG5050
• StayD	✓	✓
• Built-in Transceiver	✓	✓
• Maximum Zones*	32	32
• On-Board Hardwired Zones	2 (4 with ATZ)	5 (10 with ATZ)
• Expansion Zones (ZX8)	24	24
• Keypad Zones	15	15
• Partitions	2	2
• Users	32	32
• Remote Controls	32	32
• PGMs	16* (2 on-board)	16* (4 on-board)
• Events Buffered	256	256
• Wireless Keypads (K32RF and K37)	8	8
• Wireless Repeaters	2	2
• Expansion Bus	✓	✓
• GPRS/GSM Communication (PCS Series) See page 14	✓	✓
• Internet TCP/IP Communication (IP100) See page 14	✓	✓
• Voice and Utility Reporting (VDMP3) See page 15	✓	✓
• Wireless Siren (SR150) See page 47	✓	✓
• Personal Dialing	✓	✓
• Pager Reporting	✓	✓
• In-field Firmware Upgrade	✓	✓

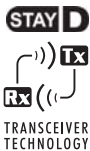
* = Any of which can be wireless

Control Panels



MG5000 | Magellan 32-Zone Wireless Transceiver Control Panel

- StayD Mode
- Built-in transceiver (433MHz or 868MHz)
- 32 zones (any of which can be wireless)
- 32 users and 32 remote controls (one per user)
- 2 partitions
- 4-wire communication bus (connect up to 15 keypads)
- 2 on-board hardwired zone inputs (4 with ATZ)
- Supports REM3, eight K32RF / K37 wireless keypads, four SR150 wireless sirens (see page 47), and two RPT1 wireless repeaters
- Supports GPRS and GSM Module (PCS Series), IP Module (IP100) and Voice Module (VDMP3). See “Communication Modules” on page 13.
- Supports 16 PGMs (any of which can be wireless)
- 2 on-board PGM outputs
- In-field firmware upgrade via 307USB and WinLoad
- Menu-driven programming for the Installer, Master and Maintenance codes
- Phone #s: 3 monitoring, 5 for Personal Dialing and 1 for pager
- Patented 2 opto coupler dialer circuit - the most reliable dialer in the industry (US Patents 5751803, RE39406)
- Calendar with Daylight savings Time
- New Sleep arming method
- Push button power reset
- RF Jamming Supervision
- 9.6k baud communication with WinLoad
- 256 events buffered
- Fits in a 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) metal box



MG5050 | Magellan 32-Zone Wireless Transceiver Control Panel

Same features as the MG 5000 plus:

- 5 on-board hardwired zone inputs (10 with ATZ)
- 4 on-board PGM outputs, positive or negative triggering (PGM4 only)
- Fits in a 8cm x 28cm x 7.6cm (11in x 11in x 3in) metal box



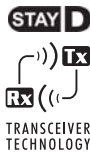
UDS | WinLoad Installer Upload/Download Software

- See full description on page 18

Wireless Keypads

Features Common to All Magellan Wireless Keypads

- Supports StayD
- View zone and system status live in real time
- Built-in transceiver (433MHz or 868MHz)
- In-field firmware upgradeable via a 307USB and WinLoad
- Fully functional: can be used to program the control panel
- 8 one-touch action buttons
- 3 keypad-activated panic alarms
- 2-partition keypads
- Compatible with MG5000, MG5050 and Spectra SP when using an RTX3



K32RF | 32-Zone Wireless LED Keypad

- 32-zone LED display
- StayD status LED
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Adjustable backlight
- Includes 3.7Vdc Li-Ion rechargeable battery
- Requires 6Vdc power adaptor (PA6 not included)
- Wireless range in a typical residential environment: 40m (130ft)
- See Features Common to All Magellan Wireless Keypads on page 37



K37 | 32-Zone Wireless Fixed LCD Keypad

- View zone and system status live in real time
- Fixed message display that guides you in the operation of the system
- Goes into sleep mode after 20 seconds to save battery life, but remains synchronized with the panel in order to automatically wake up upon an entry delay or an alarm to provide full functionality (system status, zone display and buzzer)
- Displays the status of 32 zones in 2 partitions
- Displays StayD status
- Displays Arm, Sleep, Stay and Disarmed status for each partition
- Displays troubles, bypassed zones and alarm memory
- Adjustable backlight
- Fully powered by 2 AA alkaline batteries
- The 6Vdc power adaptor is not required but can be used as an alternative power source (PA6 not included)
- Wireless range in a typical residential environment: 40m (130ft)
- See Features Common to All Magellan Wireless Keypads on page 37



PA6 | 6Vdc Power Adapter Plug

- For the K32RF and K32W
- Provides 6Vdc at 350mA max
- Includes one of 5 different power outlets: ACPEU (Europe), ACPAUS (Australia), ACPCH (China), ACPUK (United-Kingdom) and ACPUL (North America)
- 6-foot wire

Hardwired Keypads



K32LCD | 32-Character Hardwired LCD Keypad

- See full description on page 30



K35 | 32-Zone Hardwired Fixed LCD Keypad

- See full description on page 30



- STAY D** **K636 | 10-Zone Hardwired LED Keypad**
- See full description on page 30



- STAY D** **K32 | 32-Zone Hardwired LED Keypad**
- See full description on page 30



K10V

K10H

- STAY D** **K10V | 10-Zone Hardwired LED Keypad (Vertical)**
K10H | 10-Zone Hardwired LED Keypad (Horizontal)
- See full description on page 30

Hardwired Zone Expansion Modules



- ZX8SP | 8-Zone Expansion Module**
- See full description page 31



- ZX8 | 8-Zone Expansion Module**
- See full description on page 22

System Accessories



- PGM4 | 4-PGM Expansion Module**
- See full description on page 25



- 307USB | Direct Connect Interface**
- See full description on page 26



- PMC5 | Hand-Held Plug-in USB Memory Key**
- See full description on page 26

Wireless Keypad



K32WK

**Industry-First
Real-Time
Wireless
Keypad**

Remote Controls



REM2



REM1

Wireless Accessories



RPT1



2WPGM



SD738
*Manufactured
by EVERday

All-In-One Wireless Consoles



MG6130



MG6160

Wireless Motion Detectors



PMD85



PMD75



PMD1P

Wireless Door Contacts



DCT2



DCTXP2



DCT10

Magellan All-in-One Wireless Consoles

Magellan is the first security system to combine security with popular consumer features and a stylish design. The Magellan line of all-in-one security systems and transmitters provide completely wireless security for any residential or small commercial installation. Magellan also features support for two-way wireless transmitters that allow users, for instance, to confirm the status of their systems through a remote control.

Magellan's 32-zone systems are quick and convenient to install and with their friendly menu-driven programming require practically no training whatsoever. And with their in-field firmware upgrade capability, you can conveniently update an installed system, on-site, within minutes.

The Magellan all-in-one security systems combine security with unique consumer features, such as high quality sound, a family message center, a hands-free speakerphone, an alarm and a designer look you may never have associated with security. With Magellan, you have security and so much more.

Security Features	MG6130	MG6160
• Built-in Transceiver	✓	✓
• Maximum Zones	32	32
• On-Board Hardwired Zones	2	2
• Users	16	16
• Remote Controls	16	16
• PGMs	4 (2 on-board)	4 (2 on-board)
• Events Buffered	256	256
• Wireless Keypads (K32WK)	4	4
• Wireless Repeaters	2	2
• Voice and Utility Reporting	✓	✓
• Pager Reporting	✓	✓
• Two-way Voice Communication	-	✓
• In-field Firmware Upgrade	✓	✓
• Auxiliary Output	✓	✓
Consumer Features		
• Hands-free Speakerphone	-	✓
• High-quality Voice and Sound	✓	✓
• Family Message Center	✓	✓
• Alarm Clock	✓	✓
• Access System Menus by Telephone	✓	✓
• Home Automation (X10)	-	✓

All-In-One Wireless Consoles



MG6130 | Magellan 32-Zone All-In-One Wireless Console

- Built-in transceiver (433MHz or 868MHz)
- 32 wireless zones
- Built-in 16-character LCD keypad with voice prompt
- High-quality voice and sound
- Family message center
- Alarm clock
- Voice, Utility and Pager reporting
- Patented 2 opto coupler dialer circuit - the most reliable dialer in the industry (US Patents 5751803, RE39406)
- Access system menus remotely by telephone
- Receive system status 3 ways (LEDs, LCD and voice)
- 57.6k baud communication with WinLoad
- 13.8Vdc, 200mA auxiliary output
- Wall or desktop mounting
- Chime zones
- 16 users and 16 remote controls
- 256 events buffered
- 2 on-board PGM outputs
- Built-in 90dB siren
- Includes 7.2V NiMH rechargeable battery pack (Paradox # 0780100172)
- Size: 21.8cm x 14.7cm x 3.6cm (8.6in x 5.8in x 1.4in)



MG6160 | Magellan 32-Zone All-In-One Wireless Console

- Same features as the MG6130 plus:
- Hands-free speakerphone
- Two-way voice communication with monitoring station
- Home automation (X10)
- Two-tone metallic silver and blue plastic enclosure



PA12 | 13.8Vdc Power Adapter Plug

- For the MG6130, MG6160 and 2WPGM
- Provides 13.8Vdc at 1A max
- Includes one of 5 different power outlets: ACPEU (Europe), ACPAUS (Australia), ACPCH (China), ACPUK (United Kingdom) and ACPUL (North America)
- 6-foot wire
- See wireless controls and devices on page 41



UDS | WinLoad Installer Upload/Download Software

- See full description page 18

Wireless Keypad



K32WK | 32-Zone Wireless LED Keypad

- Built-in transceiver (433MHz or 868MHz)
- 32-zone LED display
- Arm, Stay and Ready status LEDs
- Low Battery, Message and status LEDs
- Live Mode: View zone and system status live as they occur
- In-field firmware upgradeable via a 307USB and WinLoad
- Wireless range in a typical residential environment: 40m (130ft)
- 8 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight
- Includes 3.7Vdc Li-Ion rechargeable battery
- Requires 6Vdc power adaptor
- Compatible with MG6160 and MG6130



PA6 | 6Vdc Power Adapter Plug

- For the K32RF, K32WK and K37
- Provides 6Vdc at 350mA max
- Includes one of 5 different power outlets: ACPEU (Europe), ACPAUS (Australia), ACPCH (China), ACPUK (United Kingdom) and ACPUL (North America)
- 6-foot wire

Magellan Accessories



307USB | Direct Connect Interface

- See full description page 26



UIP256 | Universal In-Field Programmer

- Upgrade Magellan console and Grafica (V1.21 to 1.4) firmware locally in the field
- Includes proprietary PC software, cables to interconnect a Magellan console or a Grafica keypad and a PC, and two 9V batteries
- The supplied PC software retrieves the latest Magellan or Grafica update file (firmware) from our website and then updates the Magellan console or the Grafica keypad



PMC5 | Hand-Held Plug-in USB Memory Key

- See full description page 26

Magellan Wireless Controls and Devices

Magellan offers a complete line of wireless security devices, including keypads, motion detectors, door contacts, sirens, and remote controls. While wireless systems offer the same features and stylish design as traditional systems, installing a wireless Magellan system offers definite advantages to both the installer and user.

Installation time for a wireless system is a fraction of what is necessary for a traditional hardwired system. In addition, installing a wireless system requires little or no passing of wires through the installation site. With a wireless system, installers can also accurately estimate installation times, knowing that they will not be faced with any unexpected installation problems.

With their unmatched design, expandability, and ease of installation, Magellan wireless devices are an excellent choice.

Magellan Wireless Keypads



K32RF | 32-Zone Wireless LED Keypad

- See full description on page 38



K37 | 32-Zone Wireless Fixed LCD Keypad

- See full description on page 38



K32WK | 32-Zone Wireless LED Keypad

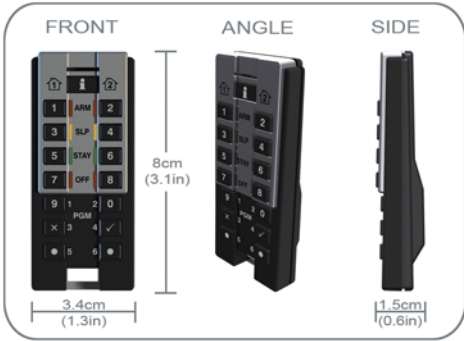
- See full description on page 43



PA6 | 6Vdc Power Adapter Plug

- See full description on page 38

Magellan Remote Controls



REM3 | Hand-Held 2-Way Remote Keypad

- Two User Modes
Keypad Mode: Requires code entry
Remote Mode: One-touch arm and disarm
- Supports StayD
- Built-in transceiver (433MHz or 868MHz)
- Provides visual and auditory feedback of actions performed
- Press the Status button at any time to receive the system status
- Displays Arm, Sleep, Stay, or Off status of partition 1 and 2
- *Diagnostic Display:* Place REM3 at location of desired transmitter:
 Partition 1 LEDs display signal strength
 Partition 2 LEDs display noise floor level
- Use keys to toggle up to 6 PGMs or generate a panic
- Includes key holder
- Label to identify remote control owner
- Compact, water-resistant design
- 8cm x 3.4cm x 1.5cm (3.1in x 1.3in x 0.6in)
- Compatible with MG5000, MG5050, EVO, and Spectra SP when using an RTX3



REM2 | Magellan 2-Way Remote Control with Backlit Buttons

- Supports StayD (Version 2.0 or higher)
- Built-in transceiver (433MHz or 868MHz)
- Displays system status using visual (LED) and auditory feedback
- Press the Status button at any time to receive the system status
- Perform up to 6 different actions per remote control
- Compact, water-resistant design with backlight for buttons
- Label to identify remote control owner
- Wireless range in a typical residential environment:
 30m (100ft) with MG6130 / MG6160
 45m (150ft) with MG5000 / MG5050 / RTX3



RAC2 | Magellan 2-Way Remote Control with Integrated Access Card

Same features as the REM2 plus:

- Built-in access card. Present remote control to a reader like an access card
- See supported readers on page 24

REM1 | Magellan Remote Control with Backlit Buttons

- Water resistant, stylish clear blue plastic with backlight for buttons
- Perform up to 5 different actions
- Label to identify remote control owner
- Wireless range in a typical residential environment:
 30m (100ft) with MG6130 / MG6160
 45m (150ft) with MG5000 / MG5050
 60m (200ft) with RTX3
- Available in 433MHz or 868MHz

RAC1 | Magellan Remote Control with Integrated Access Card

Same features as the REM1 plus:

- Built-in access card. Present remote control to a reader like an access card
- See supported readers on page 24

Magellan Wireless Motion Detectors

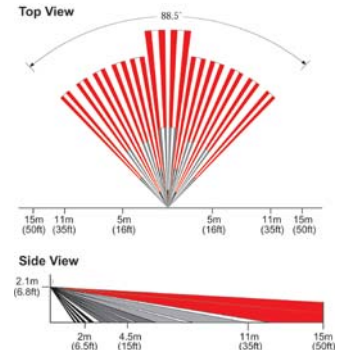
Features Common to All Magellan Wireless Motion Detectors

- Patented Auto Pulse Signal Processing
- Automatic Temperature Compensation
- Alive software (alarm LED continues to display when PIR is in energy save mode without compromising battery life)
- 3-minute energy save mode after two detections within a five-minute period
- Available in 433MHz or 868MHz
- Low battery and detect LED
- Anti-tamper switch



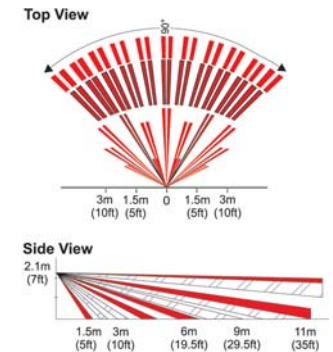
PMD1P | Analog Single-Optic PIR (18kg/40lb Pet Immunity)

- Dual element sensor
- Immune to animals weighing up to 18kg (40lb)
- 11m x 11m (35ft x 35ft) and up to 15m (50ft) for center beams with 88.5° viewing angle
- Wireless range in a typical residential environment:
35m (115ft) with MG6130 / MG6160
70m (230ft) with MG5000 / MG5050 / RTX3
- When a higher level of immunity is required, such as when animals are constantly in the detection area, consider using PMD75
- See Features Common to All Magellan Wireless Motion Detectors on page 46



PMD75 | Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)

- Digital Motion Detection
- Dual optics (2 dual opposed element sensors)
- Immune to animals weighing up to 40kg (90lb)
- Digital Dual Opposed Detection
- Digital Shield algorithm with adjustable sensitivity
- Single or Dual Edge Processing
- 11m x 11m (35ft x 35ft) with 90° viewing angle
- Wireless range in a typical residential environment:
35m (115ft) with MG6130 / MG6160
70m (230ft) with MG5000 / MG5050 / RTX3
- See Features Common to All Magellan Wireless Motion Detectors on page 46



PMD85 | Outdoor Digital Dual-Optic High-Performance PIR

Same features as PMD75 plus a special weatherproof design:

- The PMD85 series is available with one of three lenses: Pet Array, Horizontal Curtain Beam or Vertical Curtain Beam. See PMD85 / DG85 Lenses on page 53 for more details
- Impact and temperature resistant casing
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- UV protected lens
- Dual Optical Filtering System
- Metal shield maximizes protection from EMI and RFI signals
- Multi-level sensitivity adjustment



Magellan Wireless Door Contacts



DCT10 | 2-Zone Long-Range Door Contact

- 2-zone capabilities where each zone is independent and has its own serial number
- Zone 1 - One of two high-sensitivity reed switches (magnet included) (N.O./N.C.)
- Zone 2 - Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
 - 35m (115ft) with MG6130 / MG6160
 - 70m (230ft) with MG5000 / MG5050 / RTX3
- Low battery and signal transmission LED
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 12.4cm x 4.5cm x 3.3cm (4.9in x 1.8in x 1.3in)



DCTXP2 | 2-Zone Wireless Door Contact

- 2-zone capabilities where each zone is independent and has its own serial number
- Zone 1 - One high-sensitivity reed switch (magnet included)
- Zone 2 - Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
 - 30m (100ft) with MG6130 / MG6160
 - 60m (200ft) with MG5000 / MG5050 / RTX3
- Low battery and signal transmission LED
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 11.2cm x 3.2cm x 2.5cm (4.4in x 1.3in x 1in)
- Available in white and brown



DCT2 | Ultra-Small Door Contact

- One high-sensitivity reed switch (magnet included)
- Wireless range in a typical residential environment:
 - 20m (65ft) with MG6130 / MG6160
 - 40m (130ft) with MG5000 / MG5050 / RTX3
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 4.4cm x 3.0cm x 1.9cm (1.7in x 1.2in x 0.75in)

Magellan Wireless Siren



SR150 | Wireless Siren with Built-in Strobe

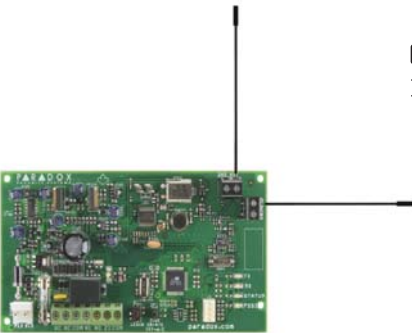
- Built-in transceiver (433MHz or 868MHz)
- 100db wireless siren with integrated strobe light
- Weather-resistant design using a PC/ABS enclosure with UV protection and a silicone coated PCB (-20°C to 50°C / -4°F to 122°F)
- Battery powered only, no need for AC power
- Fast alarm response time (4 seconds)
- 8-hour alarm display (strobe flashes every 4 seconds after bell cut-off)
- Siren presence supervised by control panel
- Panel presence supervised by siren (activates siren and strobe for 5 minutes if communication is lost)
- Triple tamper protection (screw removal, cover removal, and removal from wall)
- Assign up to 4 sirens per control panel
- In-field firmware upgradeable via 307USB
- Siren test mode
- 4-LED signal strength and status display
- Strobe lens available in 4 colours (red, blue, amber, and clear)
- Fully powered using three 1.5Vdc type "D" alkaline batteries (included). Not required, but can also be powered using 8-16Vac / 9-20Vdc power supply.
- Dimensions: 24cm x 6cm x 18cm (9.5in x 2.3in x 7 in)
- Compatible with MG5000, MG5050 and SP series when using an RTX3

Magellan Wireless Accessories



2WPGM | Magellan 2-Way Wireless PGM

- Built-in transceiver (433MHz or 868MHz)
- Backup Alarm Reporting option (activates PGM output if communication between the Magellan console and the 2WPGM is lost)
- 1 programmable 5A relay output
- Deactivate PGM after event or timer
- Requires an AC or DC input voltage (6Vac to 16.5Vac or 5Vdc to 30Vdc)
- Can be powered by the PA12 (see page 42)
- Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
35m (115ft) with MG6130 / MG6160, or 70m (230ft) with MG series / RTX3
- Anti-tamper switch
- Dimensions: 12.4cm x 4.5cm x 3.3cm (4.9in x 1.8in x 1.3in)



RPT1 | Magellan Wireless Repeater Module

- Built-in transceiver (433MHz or 868MHz)
- Extends the range of wireless communications
- Supports all Magellan transmitters (including 2-way transmitters)
- In-field firmware upgradeable via a 307USB and WinLoad
- Select which zone, PGM and/or keypad signals are repeated
- Signal strength display
- RF jamming supervision
- Fully supervised by panel or console
- 1 programmable 5A relay output
- Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
75m (240ft) with 433MHz, or 50m (160ft) with 868MHz
- Compatible with MG series, SP series with RTX3, Magellan Consoles
- AC input (16Vac, 20VA)
- Fits in 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) and 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal boxes



SD738 | EVERday Smoke Detector

- One high-sensitivity photoelectric smoke sensor
- Built-in siren
- Wireless range in a typical residential environment:
30m (100ft) with MG6130 / MG6160, or 60m (200ft) with MG series / RTX3
- Available in 433MHz or 868MHz
- Manufactured and available exclusively through **EVERday** Technology Co. Ltd. (Taiwan)

Stand-Alone Magellan Accessories



RTX3 | Wireless Expansion Module (Stand-Alone)

- See full description on page 8



PX8 | Output Module for Magellan Transceiver

- Connected to the RTX3 in stand-alone mode, the PX8 communicates the status of up to 8 wireless events, such as zone open/close, through its 8 hardwired outputs
- Set an output to signal a zone tamper, supervision loss or low battery
- Activate an output using specific buttons on an REM1 or RAC1 remote control
- Connect up to four PX8 on a single RTX3
- Outputs can follow events or have a delay of 1 to 999 seconds or minutes
- Use an RTX3 on-board PGM to supervise the PX8
- In-field firmware upgradeable via a 307USB and WinLoad