PARADOX®

SECURITY SYSTEMS

Product Catalogue

05

Digital Tech

R&D

Innovation

100% Tes

Stylish Desig

Area One
Armed

PARADOX
14:00
Friday
June 24
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SYSTEM STATUS
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New in this catalogue:

Magellan 2-way Remote Control
with Backlit Buttons
(MG-REM2)
page 4

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(MG-2WPGM)
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Control Panel
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(DGP2-640)
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LCD Keypad Module
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All-In-One Wireless Security System

MAGELLAN™

Magellan is an all-in-one wireless security system that combines unique consumer features, ease of use and high security with a designer look you may never have associated with security.

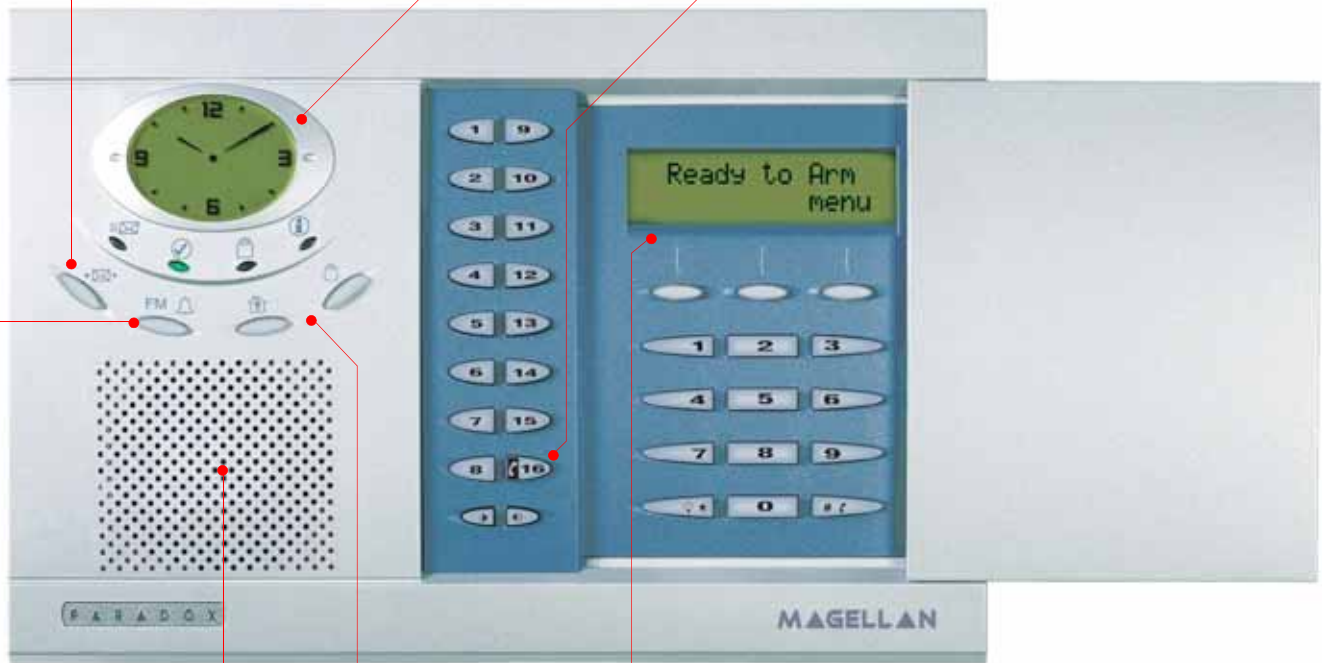**Built-in FM Radio**

Family Message Center

Alarm Clock

Hands-Free Speakerphone

Access Menus Remotely by Phone
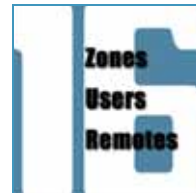
High-Quality Voice and Sound

One-Touch Arming & Emergency Keys

Step-by-Step Guidance

16 Zones, 16 Users & 16 Remotes

Voice, Utility and Pager Reporting

MAGELLAN™

MG-REM2†
Magellan 2-Way Remote Control with Backlit Buttons

MG-REM1*
Magellan Remote Control with Backlit Buttons

MG-6060
Magellan Main Console

SD738†/**
Smoke Detector

MG-2WPGM†
Magellan 2-Way Wireless PGM

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

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

MG-PMD85†
Outdoor Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)

MG-DCT1*
Long-Range Door Contact

MG-DCTXP†
Door Contact

MG-DCT2*
Ultra-Small Door Contact

† = Supports Magellan only
***** = Supports Magellan and Omnia
****** = Manufactured and available exclusively through EVERday Technology Co. Ltd. (Taiwan)

Magellan Main Console

MG-6060: **Magellan All-In-One Wireless Console**

- Built-in transceiver
- FM radio
- Hands-free speakerphone
- High-quality voice and sound
- Family message center
- Alarm clock
- Voice, Utility and Pager reporting
- Access system menus remotely by telephone
- Receive system status 3 ways (LEDs, LCD and voice)
- 57.6k baud communication with WinLoad
- Wall or desktop mounting
- Home automation (X10)
- Chime zones

- 16 wireless zones & 16 remote controls
- 16 users
- One-touch arming & emergency keys
- Full, force, stay, instant & auto arming
- 256 events buffered
- 2 on-board PGM outputs
- Built-in 90dB siren
- Includes 7.2V NiMH rechargeable battery pack (Paradox # 0780100178)
- Size: 21.8cm x 14.7cm x 3.6cm (8.6in x 5.8in x 1.4in)
- Two-way voice communication with monitoring station
- Supervised telephone line
- Available in 433MHz or 868MHz
- Supports Memory Key (PMC-3)

MAGELLAN™

MG-REM2: **Magellan 2-Way Remote Control with Backlit Buttons**
- 2-way communication conveys system status using visual and sound feedback
- Press the Status button at any time to receive the system status
- Perform up to 6 different actions per remote control
- Comprehensive LED display
- Auditory feedback
- Compact, water-resistant design with backlight for buttons
- Wireless range in a typical residential environment: 30m (100ft)
- Available in 433MHz or 868MHz

Available Now

MG-REM1: **Magellan Remote Control with Backlit Buttons**
- Water resistant, stylish clear blue plastic with backlight for buttons
- Perform up to 5 different actions
- Wireless range in a typical residential environment:
  30m (100ft) with MG-6060
  60m (200ft) with MG-RCV3
- Available in 433MHz or 868MHz

MG-RAC1: **Magellan Remote Control with Integrated Access Card**
Same features as the MG-REM1 except:
- Built-in access card (present remote control to a reader like an access card)

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

**MG-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 MG-6060
  70m (230ft) with MG-RCV3
- When a higher level of immunity is required, such as when animals are constantly in the detection area, consider using MG-PMD75
- See Features Common to All Magellan Wireless Motion Detectors on page 4
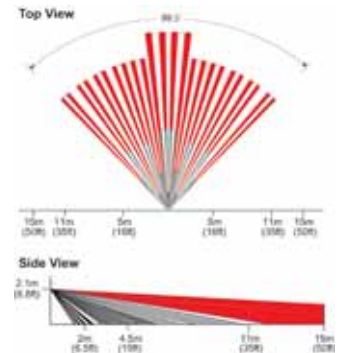
MG-PMD75: **Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)**
- Patented Digital Motion Detection
- Dual optics (2 dual opposed element sensors)
- Immune to animals weighing up to 40kg (90lb)
- Digital Dual Opposed Detection
- Digital Shield algorithm with adjustable sensitivity
- 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 MG-6060
  70m (230ft) with MG-RCV3
- See Features Common to All Magellan Wireless Motion Detectors on page 4
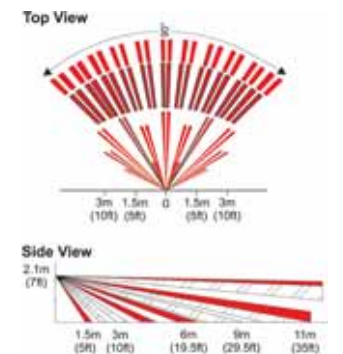
M▲GELL▲N™

MG-PMD85: **Outdoor Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)**
Same features as MG-PMD75 plus a special weatherproof design:
- 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
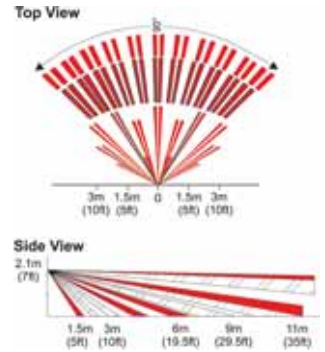
Magellan Wireless Door Contacts

MG-DCT1: **Long-Range Door Contact**
- Two high-sensitivity reed switches (magnet included)
- Universal transmitter input (N.C.)
- Wireless range in a typical residential environment:
  35m (115ft) with MG-6060
  70m (230ft) with MG-RCV3
- 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)

MG-DCTXP: **Door Contact**
- One high-sensitivity reed switch (magnet included)
- Serial or Parallel detection feature (protect two locations using one MG-DCTXP)
- Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
  30m (100ft) with MG-6060
  60m (200ft) with MG-RCV3
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 11cm x 3.2cm x 2.5cm (4.4in x 1.3in x 1in)

MG-DCT2: **Ultra-Small Door Contact**
- One high-sensitivity reed switch (magnet included)
- Wireless range in a typical residential environment:
  20m (65ft) with MG-6060
  40m (130ft) with MG-RCV3
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 4.4cm x 3.0cm x 1.7cm (1.7in x 1.2in x 0.7in)

M ▲GELL ▲N™

MG-2WPGM: **Magellan 2-Way Wireless PGM**

New

Available Now

- 2-way communication allows the MG-2WPGM to receive commands from the MG-6060 and then confirm the command
- Backup Alarm Reporting option (activates PGM output if communication between the Magellan MG-6060 console and the MG-2WPGM is lost)
- 1 fully programmable 5A relay output
- Deactivate PGM after event or timer
- Add up to four MG-2WPGMs per Magellan MG-6060 console
- Requires an AC or DC input voltage (6Vac to 16.5Vac or 5Vdc to 20Vdc)
- Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment: 35m (115ft)
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 12.5cm x 4.6cm x 2.5cm (4.9in x 1.8in x 1.0in)

MG-RCV3: **Wireless Expansion Module**

- Compatible with:
  Esprit: 8 remote controls to arm/disarm the system and control PGMs
  Spectra: 8 wireless zones and 8 remote controls
  Digiplex: 16 addressable zones and 16 remote controls
- Low battery, tamper and check-in supervision (Spectra and Digiplex only)
- Transmitter signal strength display (Spectra and Digiplex only)
- Up to 4 PGM outputs:
  - 3 PGM outputs and 1 optional output (Esprit and stand-alone mode only)
  - 1 PGM output and 1 optional output (Spectra and Digiplex only)
- Noise level test and indicator
- Available in 433MHz or 868MHz
- Also functions in stand-alone mode (8 remote controls activate on-board PGMs)
- Functions with all Magellan transmitters (see page 4) except for MG-REM2 and MG-2WPGM

SD738: **EVERday Smoke Detector**

- One high-sensitivity photoelectric smoke sensor
- Built-in siren
- Wireless range in a typical residential environment:
  30m (100ft) with MG-6060
  60m (200ft) with MG-RCV3
- Available in 433MHz or 868MHz
- Manufactured and available exclusively through **EVERday** Technology Co. Ltd. (Taiwan)

306USB: **Direct Connect Interface**

New

Available Now

- Now includes USB port
- Enables control panel to communicate with a PC at 60m (200ft)
- Connect control panel's serial port connector to a PC's serial (DB-9) or USB port
- 57.6k baud communication (MG-6060), 38.4k baud communication (DGP-NE96) or 19.2k baud communication (DGP-848)

UIP-256 **Universal In-Field Programmer**

- Upgrade Magellan and Grafica 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
- Currently supports Magellan V1.10 or higher and Grafica version 1.21 or higher, but will support other Paradox products when possible in the future

4- to 24-Zone Security Systems

ESPRIT™

Esprit features a wide range of control panels with 4, 8 or 12 on-board zone input terminals and can support up to 2 keypad zones. All control panels offer the ATZ zone doubling feature that enables you to connect two detection devices to one input terminal. Each detection device occupies its own zone and communicates its status to the control panel. Depending on the control panel, the system can consist of up to 24 programmable zones that can be assigned to one or both partitions or can be assigned to neither partition to form a common area. The Esprit series offers you reliable, low-cost security that meets a host of customer needs.

System Overview

- 4 to 24 zones
- 2 partitions
- Compatible with the Magellan MG-RCV3 Wireless Receiver (see page 6) and Magellan MG-REM1 Remote Control with Backlit Buttons (see page 4)
- 49 user codes
- 256 events buffered
- Keypads compatible with all Esprit control panels
- Upload and download capability with Espload

Control Panels

728 ULTRA™

728ULT: **10-Zone Control Panel**
- 4 zone inputs (8 zones with zone doubling) + 2 keypad zones
- 1 PGM output
- 1.1A switching power supply
- 2-wire smoke detector input
- Serial or parallel wiring for zone doubling connections
- Master Code Lock (cannot change or delete the Master Code or User Code 01)
- Supports pager reporting
- Closing Delinquency Timer (transmit a report when last arming exceeds timer)
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Includes 20cm x 25cm x 8cm (8in x 10in x 3in) metal box

738 ULTRA™

738ULT: **18-Zone Control Panel**

New

*Available
Now*

- 8 zone inputs (16 zones with zone doubling) + 2 keypad zones
- 2 PGM outputs + 1 alarm relay
- 1.1A switching power supply
- 2-wire smoke detector input
- Serial or parallel wiring for zone doubling connections
- Master Code Lock (cannot change or delete the Master Code or User Code 01)
- Supports pager reporting
- Closing Delinquency Timer (transmit a report when last arming exceeds timer)
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Timed Test Transmission feature
- Includes 28cm x 28cm x 8cm (11in x 11in x 3in) metal box

ESPRIT™

748+: **24-Zone Control Panel**
- 12 zone inputs (24 zones with zone doubling) + 2 keypad zones *(24 zones max.)*
- 2 PGM outputs + 1 alarm relay
- 1.7A switching power supply
- 2 supervised auxiliary outputs
- 1 supervised bell output and 1 supervised telephone line
- Includes 28cm x 28cm x 8cm (11in x 11in x 3in) metal box

Keypads

Features Common to All Keypads
- 1 keypad zone input
- Independently set chime zones
- 4 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight
- Compatible with all Esprit control panels V3.0 or higher

642: **32-Character LCD Keypad**
- 32-character LCD with programmable labels
- Upload/download keypad options and labels with the Memory Key (PMC-3) through its on-board memory key connector
- Supports up to 9 built-in languages (user selectable):
  - English, Spanish, Czech, French, Italian, Polish, Portuguese, Slovak and Turkish
  - English and Hebrew
  - English, Lithuanian and Russian
  - English and Greek
- Display time using the 12hr or 24hr format
- Adjustable contrast and scroll speed
- Multiple zone display (status of several zones on one screen without zone label)

636: **24-Zone LED Keypad (horizontal)**
- 24-zone LED display
- Patented Key Light display (button lights up to indicate an open zone)
- Universal LED symbols
- Keypad rubber available in English, Spanish, French or Portuguese

646: **24-Zone LED Keypad (vertical)**
- 24-zone LED display
- Patented Key Light display (button lights up to indicate an open zone)
- Universal LED symbols
- Covers single gang box
- Keypad rubber available in English, Spanish or French

System Accessories and Software

708ULT: **Stand-Alone Digital Dialer**
- Use as a stand-alone dialer or as a secondary dialer
- 8 zones: 4 on-board inputs (8 zones with zone doubling which supports serial or parallel wiring)
- CTR-21 approved dialer
- Telephone line monitoring (TLM)
- Supports pager, Contact ID, and slow formats
- 2 telephone numbers and 1 account number

PMC-3: **Hand-Held Plug-In Memory Key**
- Download or upload a 642 LCD keypad's options and labels in less than 5 seconds
- Connect directly to memory connector on the 642 LCD keypad
- No need for a telephone line, PC or any other peripheral device

ADP-1: **Telephone Line Adapter**
- Simulate a telephone line for on-site uploading and downloading
- Direct connection from the PC's modem to the control panel's dialer
- 300 baud communication

UDS-2000: **Espload Installer Upload/Download Software (DOS)**
- User-friendly programming and live monitoring of Esprit control panels
- Remote or on-site upload/download through a modem at 300 baud
- Event display and sort event buffer for report printing
- Supports multiple languages simultaneously

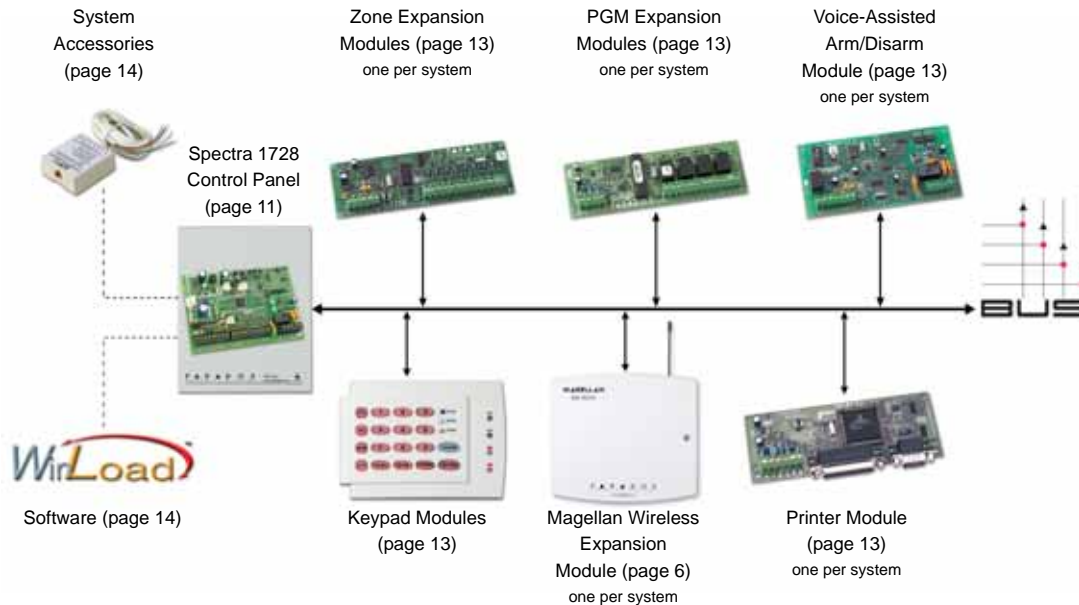**ESPRIT-BD:** **Esprit Briefcase-Style Display**
- Functional display designed to accommodate travel and flexibility
- Fits in salesperson's briefcase
- Built-in Esprit control panel
- On-board 24-zone horizontal LED keypad (636)
- 4 on-board push-button switches to represent zones

SPECTRA®

Spectra offers a combination of innovative features and an advanced communication bus for a unique expandable security system. Through its communication bus, Spectra 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 is an ideal security system for any residential or commercial installations that require up to 16 zones of protection.

Feature	1728	1738	1759MG	1727
On-board Zones	5 (10 with ATZ)	7 (14 with ATZ)	5	5
Keypad Zones	2	2	2	1
Expansion Zones	8	8	8	-
Maximum Zones	16	16	15	6
Built-In Wireless Receiver	-	-	Yes	-
Partitions	2	2	2	-
User Codes	48	48	48	8
2-Wire Smoke Detector Input	-	Yes	-	-
PGMs	2	2	2	2
Alarm Relay	-	1	1	1
Event Buffer	256	256	256	-
Compatible with Magellan MG-RCV3 (see page 6)	✓	✓	-	-

System Accessories (page 14)

Zone Expansion Modules (page 13)
one per system

PGM Expansion Modules (page 13)
one per system

Voice-Assisted Arm/Disarm Module (page 13)
one per system

Spectra 1728 Control Panel (page 11)

BUS

Software (page 14)

Keypad Modules (page 13)

Magellan Wireless Expansion Module (page 6)
one per system

Printer Module (page 13)
one per system

Control Panels

1728:   **16-Zone Control Panel**
- 4-wire communication bus
- 5 zone inputs (10 zones with zone doubling) + 2 keypad zones
- Up to 8 expansion zones
- 2 PGM outputs
- 1A switching power supply
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Connect modules up to 75m (250ft) using 18AWG or 22AWG
- Includes one 20cm x 25cm x 8cm (8in x 10in x 3in) metal box

1738:   **16-Zone Control Panel**
- 4-wire communication bus
- 7 zone inputs (14 zones with zone doubling) + 2 keypad zones
- Up to 8 expansion zones
- Zone 1 can be a 2-wire smoke detector input
- 2 PGM outputs and 1 optional alarm relay
- 1.5A switching power supply
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Includes one 20cm x 25cm x 8cm (8in x 10in x 3in) metal box

1759MG: **15-Zone Wireless Control Panel**
- 4-wire communication bus
- 5 zone inputs + 2 keypad zones
- Up to 8 expansion zones
- Built-in wireless receiver supports 8 wireless zones and 8 remote controls
- Supports all Magellan transmitters (see page 4) except for MG-REM2 and MG-2WPGM
- 2 PGM outputs and 1 alarm relay
- 1A switching power supply
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Includes one 20cm x 25cm x 8cm (8in x 10in x 3in) metal box
- Available in 433MHz or 868MHz

1727:   **6-Zone Local Control Panel**
- 4 zone inputs + 1 Fire/24Hr. Burglary zone + 1 keypad zone
- 8 user codes (no partitioning)
- 2 PGM outputs and 1 alarm relay
- 1 bell output and 1 auxiliary output
- Includes 20cm x 25cm x 8cm (8in x 10in x 3in) metal box

Overview of System Modules

Features Common to All Modules
- Connect modules anywhere on the 4-wire communication bus in a star or daisy chain configuration
- Program modules through the communication bus using a keypad module or the WinLoad software
- Modules with an APR3- prefix feature Auto-Panel Recognition, enabling them to function with Spectra and the Digiplex series
- Modules with an SPC- prefix or without a prefix function only with Spectra

Keypad Modules

1641: **32-Character LCD Keypad Module**
- 32-character LCD with programmable labels
- Available in English, Spanish, Czech, Finnish, French, Hebrew, Italian, Polish, Portuguese, Russian, Serbian, Slovak, Slovene, Swedish, Turkish and Greek
- 1 keypad zone input
- 1 PGM output
- Independently set chime zones
- 7 one-touch action buttons
- 3 keypad-activated panic alarms
- Display time using the 12hr or 24hr format
- Adjustable backlight, contrast and scroll speed

1640: **Icon LCD Keypad Module**
- Icons to display the status of up to 16 zones
- Icons to display Regular, Force, Stay and Instant arming (per partition)
- Icons to display troubles, fire, tamper, bypassed zones and alarm memory
- Display time using 12hr or 24hr format
- 1 keypad zone input
- Independently set chime zones
- 7 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight and contrast

1689: **16-Zone LED Keypad Module**
- 16-zone LED display
- Separate arm and stay LEDs per partition
- Available in English, Spanish or French
- 1 keypad zone input
- Independently set chime zones
- 7 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight
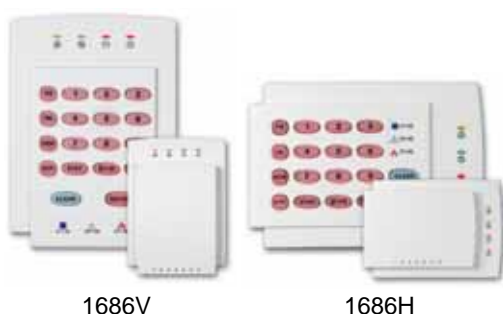
1686V/1686H: 10-Zone LED Keypad Modules (vertical/horizontal)
- 10-zone LED display
- Separate arm LEDs per partition
- Patented Key Light display (button lights up to indicate an open zone)
- Available in English, Spanish, French or Portuguese (1686H only)
- 1 keypad zone
- Independently set chime zones
- 7 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight

1686V   1686H

Hardwired Zone Expansion Modules

**SPC-ZX4 or
APR3-ZX4:   4-Zone Expansion Module**
- Add 4 zones
- Use zone input as an anti-tamper switch input
- Auto-Panel Recognition (APR3-ZX4 only)

**SPC-ZX8 or
APR3-ZX8:   8-Zone Expansion Module**
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input
- Auto-Panel Recognition (APR3-ZX8 only)

PGM Expansion Modules

APR3-PGM4: 4-PGM Expansion Module
- 4 fully programmable 5A relay outputs
- Deactivate PGM after event or timer

Special Accessory Modules

APR3-ADM2: Voice-Assisted Arm/Disarm Module
- Arm, disarm, control on-board PGM and verify system status via telephone
- Clear and concise voice prompts
- 1 PGM output
- Available in English, Spanish, Czech, French, Greek, Italian, Mandarin, Portuguese or Turkish

APR3-PRT1: Printer Module
- Automatically or manually print reports of system events via a printer and/or PC
- Parallel and serial port connectors
- Assign to any or all partitions
- 1 PGM output
- Available in English or Spanish

System Accessories and Software

APR3-HUB2: **Hub and Bus Isolator**
- Divide the communication bus into two completely isolated outputs (if one output fails, the other will continue to function)
- One input port, 2 completely isolated output ports
- Each output port provides communications up to 75m (250ft)

PMC-3: **Hand-Held Plug-in Memory Key**
- Download or upload control panel programming in less than 5 seconds
- Connect directly to memory connector on the control panel
- No need for a telephone line, PC or any other peripheral device

ADP-1: **Telephone Line Adapter**
- Simulate a telephone line for on-site uploading and downloading
- Direct connection from the PC's modem to the control panel's dialer
- 300 baud communication

UDS-2000: **WinLoad Installer Upload/Download Software**
- User-friendly programming and monitoring of Magellan, Spectra and Digiplex series
- Remote or on-site upload/download using most standard modems at 300 baud
- Multiple users, groups and databases
- Network compatible
- Advanced printing of event reports and zone/user programming

SPECTRA-BD: **Spectra Briefcase-Style Display**
- Functional display designed to accommodate travel and flexibility
- Fits in salesperson's briefcase
- Built-in Spectra 1728 control panel
- On-board 10-zone vertical LED keypad (1686V)
- 1 on-board push-button switch to represent a zone

DIGIPLEX ™
P A R A D O X

Digiplex systems provide the highest level of protection for banks, high-security military and government sites, luxurious residential homes and any place where maximum security is essential. These systems are designed to be easy to use and the modular concept of these systems provides installers with labour-saving features that make expanding, installing and servicing these systems quick and convenient.

Expand your system by adding plug-and-play expansion modules anywhere and in any combination on the 4-wire combus. Modules are connected to the combus at the most convenient location and then their zone inputs are assigned to the desired zone and partition. Also, only a module's used inputs are assigned to zones in the system. Keyswitches, remote controls and unused module inputs do not use up zones. Once installed, all combus modules, including motion detectors, can be programmed remotely via a keypad or the WinLoad Installer Upload/Download software.

Digiplex also supports virtual zones in addition to its security zones and access control doors. Virtual zones can be used to automate PGM activations without occupying a security zone and without affecting the system's security functions. Digiplex is a logical solution to every installer's security, access control and home automation installation needs.

Feature	DGP-848	DGP-NE96
Zones*	48 (8 on board)	96 (8 on board)
Partitions	4	8
User Codes	96	999
Access Control	32 doors	32 doors
Events Buffered	1024	2048
PGMs	125 (2 on board)	250 (3 on board)
Virtual Zones †	8	32
Expansion Modules*	95	127
Access Levels	16	16
Schedules	16 (with 2 intervals)	32 (with 2 intervals)
Holiday schedule	1 year	1 year
Software	installer	installer and end-user
Arm/disarm & control PGM	via phone and remote control	via phone and remote control
Compatible with Magellan MG-RCV3 (see page 6)	✓	✓

* Can be any combination of hardwire, wireless or addressable zones or modules
† Automate PGM activations without occupying security zones

System Overview

System Accessories (page 21)

DGP-NE96 DGP-848 Control Panel (page 16)

Motion Detector Modules (page 18)

Zone Expansion Modules (page 19)

PGM Expansion Modules (page 21)

Special Accessory Modules (page 21)

127 modules (DGP-NE96): 95 modules (DGP-848): in any combination

WinLoad
NEware
Software (page 22)

Grafica Keypad and Display Modules (page 17)

Magellan Wireless Expansion Module (page 6)

Access Control Module (page 20)

Keypad and Display Modules (page 17)

Control Panels

**DGP-848:**   **Digiplex 48-Zone Control Panel**
- 8 on-board zone inputs (16 with zone doubling) expandable to 48 zones via 4-wire combus
- 2 on-board PGM outputs (+ 1 optional bell relay and + 2 optional PGMs)
- PGM1 can be used as a 2-wire smoke input
- 1.7A switching power supply
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Connect modules up to 900m (3000ft) using 18AWG or 300m (1000ft) using 22AWG
- Includes 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal box

DGP-NE96:   **Digiplex 96-Zone Control Panel**
- 8 on-board zone inputs (16 with zone doubling) expandable to 96 zones via 4-wire combus
- 3 on-board PGM outputs
- PGM1 can be used as a 2-wire smoke input
- 1.7A switching power supply
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Built-in real-time clock backup battery (no DGP2-TM1 required)
- Adjustable communication speed (normal/fast) for large installations
- Connect modules up to 900m (3000ft) using 18AWG or 300m (1000ft) using 22AWG
- Includes 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal box

Overview of System Modules
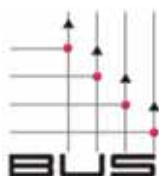
Features Common to All Modules
- All modules support sabotage-proof protection without additional modules or EOL resistors
- Connect up to 127 (DGP-NE96) or 95 (DGP-848) addressable modules in any combination on the 4-wire combus (star or daisy chain)
- Program any module through the combus using a keypad, the WinLoad software or the Module Broadcast feature
- Modules with an APR3- prefix feature Auto-Panel Recognition, enabling them to function with the Digiplex series or with Spectra
- Modules with a DGP2- prefix function with DGP-NE96 or DGP-848

Keypad and Display Modules

DNE-K07: **Grafica Graphic LCD Keypad Module**
- View zones on up to 32 floor plans
- 1 built-in indoor temperature sensor that allows Grafica to display the temperature of the room where Grafica is located
- 1 zone/temperature input. The input can be used to connect a detection device or an external temperature sensor (DNE-TEMP. See page 23).
- Simple text- and icon-driven menus with step-by-step guidance
- Alarm clock and special reminders
- Up to 15 tunes for use with door chiming, entry delay, exit delay and more
- Supports up to 8 built-in languages in two Language Sets (user selectable):
  - LS1: English, Spanish, Czech, French, Hungarian, Italian, Portuguese and Slovak
  - LS2: English, Bulgarian (in progress), Czech, Polish, Romanian, Russian, Swedish and Greek
  - LS3: English and Dutch
- Smart search functions
- Copy and paste user programming
- Assign to one or more partitions
- Independently set chime zones
- 3 one-touch panic alarms
- Adjustable backlight, contrast and volume
- Upload/download labels with Memory Key or with the Module Broadcast feature
- Available in two designer colors (silver or champagne)
- Dimensions (with door closed): 11.5cm x 17cm x 3cm (4.5in x 6.8in x 1.3in)
- 6.5cm x 6.5cm (2.6in x 2.6in) graphic LCD with a resolution of 128 x 128 pixels

DGP2-641BL: **32-Character Blue LCD Keypad Module**

Available Now

- 32-character blue LCD with programmable labels (via Memory Key or Module Broadcast feature)
- Available in English, Spanish, Czech, French, German, Italian, Polish, Portuguese, Swedish or Turkish. Hebrew, Russian and Greek will be available soon.
- Assign to one or more partitions
- 1 addressable zone and 1 PGM output
- Independently set chime zones
- 14 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight, contrast and scroll speed

DGP2-641RB: **32-Character Blue LCD Keypad Module with Integrated Card Reader**

Available Now

Same features as the DGP2-641BL 32-Character Blue LCD Keypad Module plus the following:
- Built-in card reader. Just present access card directly to the keypad module (same features as the CR-R880-BL reader on page 29)
- Grant access via card and/or access code
- Door contact and request for exit inputs
- Door lock output
- Programmable automatic unlocking schedule
- Door Left Open and Door Forced Open alarms
- Display time using the 12Hr or 24Hr format

DIGIPLEX™ PARADOX

DGP2-640: **Icon LCD Keypad Module**

New

Available Now

- Icons to display the status of zones 1 to 16. Zones 17 to 96 are displayed through a scrolling LCD.
- Icons to display Regular, Force, Stay and Instant arming (displays only 4 partitions)
- Icons to display troubles, fire, tamper, bypassed zones and alarm memory
- Assign to one or more partitions
- Display time using 12Hr or 24Hr format
- 1 addressable zone input and 1 PGM output
- Independently set chime zones
- 14 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight and contrast

DGP2-648: **48-Zone LED Keypad Module**

- 48-zone LED display (each LED can be set to display any zone number from 1 to 96)
- 4-partition LED display (each LED can be set to display any partition from 1 to 8)
- Available in English, Spanish or French
- Assign to one or more partitions
- 1 addressable zone and 1 PGM output
- Independently set chime zones
- 14 one-touch action buttons
- 3 keypad-activated panic alarms

DGP2-ANC1: **Annunciator Module**

- LED display shows the status of either partitions 1-8, zones 1-48, or zones 49-96
- 3-in-1 product (comes with three different display labels)
- Mount as a stand-alone unit or over any LCD or LED keypad module
- Stack up to three annunciators
- Assign to one or more partitions

Motion Detector Modules

DGP2-50: **Dual Element Motion Detector Module**

- Patented Digital Motion Detection (no analog circuitry)
- Patented Auto Pulse Signal Processing
- Digital Shield algorithm software
- Metal shield maximizes protection from EMI and RFI signals
- 12m x 12m (40ft x 40ft) range with 110° viewing angle

DGP2-60: **Quad Element Motion Detector Module**
- Digital Dual Opposed Detection
- Interlock Sensor Geometry (ISG)
- Patented Digital Motion Detection (no analog circuitry)
- Patented Auto Pulse Signal Processing
- Digital Shield algorithm software
- Metal shield maximizes protection from EMI and RFI signals
- 12m x 12m (40ft x 40ft) range with 110° viewing angle

DGP2-70: **Digital Dual-Optic High-Performance PIR Module (40kg/90lb True Pet Immunity)**
- Dual optics (2 dual opposed element sensors)
- Provides superior pet immunity using a patented combination of advanced optics and digital processing technologies
- Immune to pets weighing up to 40kg (90lb)
- Extremely reliable and false-alarm free
- Patented Digital Motion Detection (no analog circuitry)
- Patented Auto Pulse Signal Processing
- Digital Shield algorithm software
- Metal shield maximizes protection from EMI and RFI signals
- 11m x 11m (35ft x 35ft) range with 90° viewing angle

DG85: **Outdoor Digital Dual-Optic High-Performance PIR Module (40kg/90lb True Pet Immunity)**
Same features as the DG75 (page 24) plus a special weatherproof design:
- 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
- Two operational modes (addressable for the Digiplex series or conventional relay operation)

Hardwired Zone Expansion Modules

DGP2-ZC1: **Door Contact Module**
- 1 addressable zone
- Small size: 7.4cm x 2.0cm x 3.5cm (2.9in x 0.8in x 1.2in)

DIGIPLEX
PARADOX

DGP2-ZX1:   **1-Zone Expansion Module**
- 1 addressable zone (2 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes), which is ideal for temperature monitoring applications

APR3-ZX4:   **4-Zone Expansion Module**
- 4 addressable zones (8 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes); ideal for temperature monitoring applications
- Use zone input as an anti-tamper switch input

APR3-ZX8:   **8-Zone Expansion Module**
- 8 addressable zones (16 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes), which is ideal for temperature monitoring applications
- 1 PGM output
- Use zone input as an anti-tamper switch input

Access Control Modules

DGP2-ACM1P:Access Control Module
- Connections for card reader, REX, door contact and lock output
- Automatic unlocking schedule
- Door Left Open and Door Forced Open options
- Door unlock and extended delay timers
- Grant access via card and/or access code (supports CR-R885-BL reader)
- Unlock door manually with button or PGM event
- Unlock Door On Fire Alarm option
- Safe Mode option (during a communication loss, the access control door connected to the module can grant access to up to 4 specified cards)
- Built-in 1.5A switching power supply (supervised only if used)
- Supports 26-bit Wiegand card readers
- Includes 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) metal box

Access Control Readers and Cards
The following readers and cards are recommended for use with the Digiplex system access control feature. For more information, refer to page 29.
- CR-R880-BL: Indoor/Outdoor Proximity Reader with 10cm (4in) read range
- CR-R870-A: Indoor Proximity Reader with 10cm (4in) read range
- CR-R890-BL: Indoor/Outdoor Proximity Reader with 61cm (24in) read range
- CR-R885-BL: Indoor/Outdoor Proximity Reader and Keypad with 10cm (4in) read range
- MG-WR1: Magellan Access Receiver with Wiegand Interface
- CR-R702-A: Clam Shell Card
- CR-R706-A: 2-sided High-Gloss ISO Card
- CR-R704-B: Blue Proximity Key Tag
- MG-RAC1: Magellan Remote Control with Integrated Access Card (see page 4)

PGM Expansion Modules

APR3-PGM4: 4-PGM Expansion Module
- 4 fully programmable 5A relay outputs
- Deactivate PGM after event or timer
- Pulse PGM output for fire alarms

Special Accessory Modules

APR3-ADM2: Voice-Assisted Arm/Disarm Module
- Arm, disarm, control on-board PGM and verify system status via telephone
- Clear and concise voice prompts
- Available in English, Spanish, Czech, French, Greek, Italian, Mandarin, Portuguese and Turkish
- 1 PGM output

APR3-PRT1: Printer Module
- Automatically/manually print reports of zones/system events via a printer and/or PC
- Parallel and serial port connectors
- Assign to one or more partitions
- 1 PGM output
- Available in English or Spanish
-

DGP2-PS17: Power Supply Module
- 1.7A switching power supply
- Fully supervised (AC, battery, low battery and auxiliary limit)
- Selectable battery charge current (350mA/850mA)
- 1 PGM output
- Includes 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) metal box

DGP2-DVAC: DVACS Module
- Provides constant power, supervision as well as two-way communication between the control panel and the Subset F1/F2 modem
- On-board RJ-11 jack
- Anti-tamper switch input
- Memory Key connector
- For use in Canadian markets only

System Accessories and Software

APR3-HUB2: Hub and Bus Isolator
- Used to divide the combus into two completely isolated outputs (one output failure does not affect the other)
- To be added when over 600m (2000ft) of single or multiple combus wires are used
- Each output port can provide communications up to 900m (3000ft)

DGP2-TM1: **Real-Time Plug-In Device**
- Connects directly on the DGP-848
- Keeps time and date during a complete power failure
- 8-year battery life expectancy (battery included)
- Not required with DGP-NE96

PMC-3: **Hand-Held Plug-In Memory Key**
- Download or upload control panel programming in less than 10 seconds
- Connects directly to memory connector on control panel or LCD Keypad
- No need for a telephone line, PC or any other peripheral device

306USB: **Direct Connect Interface**

New

Available Now

- Now includes USB port
- Enables control panel to communicate with a PC at 60m (200ft)
- Connect from control panel's serial port connector to a PC's serial (DB-9) or USB port
- 57.6k baud communication (MG-6060), 38.4k baud communication (DGP-NE96) or 19.2k baud communication (DGP-848)

DNE-CONV2: **RS-485/RS-232 Converter Kit**
- Enables control panel to communicate with a PC at 300m (1000ft)
- Connect from control panel's serial port connector to PC's serial port (DB-9)
- 38.4k baud communication (DGP-NE96) or 19.2k baud communication (DGP-848)

UDS-2000: **WinLoad Installer Upload/Download Software**
- User-friendly programming and monitoring of the Digiplex, Magellan and Spectra control panels and modules
- Remote uploading and downloading using most standard modems at 300 baud
- On-site (local) uploading and downloading at 57.6k baud (MG-6060), 38.4k baud (DGP-NE96) or 19.2k baud (DGP-848) using a 306USB Direct Connect Interface (60m/200ft) or a DNE-CONV2 Converter (300m/1000ft)
- Draw and download/upload up to 32 floor plans for Grafica (see page 17)
- Download images and tunes into Grafica (see page 17) for special events
- Multiple users, groups and databases
- Network compatible
- Advanced printing of reports and zone/user programming
- Supports several languages simultaneously (available in English, Spanish, Chinese, Czech, French, Hebrew, Hungarian, Italian, Polish, Portuguese, Russian, Serbo-Croatian, Slovak, Swedish and Turkish)

NEware End-User Management Software
DNEWARE-DM (Demo Edition)
NEW-SEC (Security Edition)
NEW-ACC (Security and Access Control Edition)
- Program access codes and settings of all users in a DGP-NE96 system
- Live system monitoring (view system and zone status and troubles) without interrupting monitoring station communication or system operation
- Draw and download/upload up to 32 floor plans for Grafica (see page 17)
- Download images and tunes into Grafica (see page 17) for special events
- Arm/disarm, bypass zones and control PGMs
- Search, sort and filter saved system events
- Generate and print customized reports
- On-site (local) uploading and downloading at 38.4k baud using a 306USB Direct Connect Interface (60m/200ft) or a DNE-CONV2 Converter (300m/1000ft)
- Supports several languages simultaneously (available in English, Spanish, Czech, French, Hungarian, Italian, Polish, Portuguese, Russian, Slovak, and Swedish)

UIP-256   **Universal In-Field Programmer**
- Upgrade Magellan and Grafica 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
- Currently supports Magellan V1.10 or higher and Grafica version 1.21 or higher, but will support other Paradox products when possible in the future

DNE-TEMP: **Temperature Sensor**

New

Available Now

- Connects to the Grafica's zone/temperature input to measure the external temperature.
- Maximum distance from the Grafica: 30.5m (100ft)

DGP848-BD: **Digiplex (DGP-848) Briefcase-Style Display**
- Functional display designed to accommodate travel and flexibility
- Fits in salesperson's briefcase
- Built in Digiplex DGP-848 control panel
- On-board LCD keypad module (DGP2-641BL)
- 1 on-board push-button switch to represent a zone

DGPNE96-BD: Digiplex (DGP-NE96) Briefcase-Style Display
- Functional display designed to accommodate travel and flexibility
- Fits in salesperson's briefcase
- Built in Digiplex DGP-NE96 control panel
- On-board LCD keypad module (DGP2-641BL)
- On-board CR-R880-BL proximity card reader
- 2 on-board push-button switches to represent zones

GRAFICA-BD: Grafica Briefcase-Style Display
- Functional display designed to accommodate travel and flexibility
- Fits in salesperson's briefcase
- Built in Digiplex DGP-NE96 control panel
- Built-in 306USB Adapter
- On-board Grafica Graphic LCD keypad module (DNE-K07)
- 2 on-board push-button switches to represent zones
- Includes NEware Demo edition
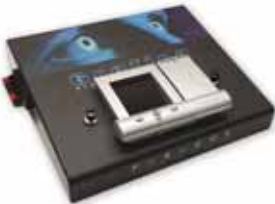
Motion Detectors

From outdoor and pet-friendly digital motion detectors to analog motion detectors, the Paradox series of motion detectors combine advanced features and patented technologies to provide a high level of detection and false alarm prevention.

The Digigard, Digital Vision and Paradome DG466 line of motion detectors offer patented digital motion detection. Developed for high-security applications, this advanced circuit design performs direct analog to digital conversion of the PIR sensor's signal using a powerful, high-speed microprocessor-based digital IC. Completely software-driven, true digital motion detection converts, amplifies and processes the sensor's low-level signal in the digital domain without any analog circuitry (no saturation, no loss of data and no noise). This unique technology provides increased accuracy, reliability and superior false alarm immunity.

The Digigard series now includes an Outdoor High-Security Digital Motion Detector (DG85) that combines a special weatherproof design and the proven technology of our Digigard High-Security Motion Detector with Pet Immunity (DG75) to provide the same reliable protection—outdoors. With its patented optics and digital processing technologies, the world-renown Digigard DG75 is a reliable false-alarm free motion detector with unmatched pet immunity.

Our patented Auto Pulse Signal Processing transforms the signal energy to a pulse output to determine if the progression of the detected occurrence corresponds to an alarm condition. Energy from the signals are measured and stored in memory until a minimum level is reached. The processor then rejects signals that do not meet its required specifications for generating an alarm.

Whatever the application, there's a Paradox motion detector that will suit your needs and surpass your expectations.

Digital Motion Detectors

Features Common to All Digital Motion Detectors
- Patented Digital Motion Detection (see above)
- Patented Auto Pulse Signal Processing
- Digital Shield algorithm software with adjustable sensitivity
- Single or Dual Edge Processing*
- Automatic Temperature Compensation
- Metal shield maximizes protection from EMI and RFI signals*
- Solid-state relay
- Anti-tamper switch

* Except DG466 (see page 25)

DG55:   **Dual Element Digital Motion Detector**
- Dual element sensor
- 12m x 12m (40ft x 40ft); 110° viewing angle
- See Features Common to All Digital Motion Detectors above

DG65:   **Quad Element Digital Motion Detector**
- Digital Dual Opposed Detection
- Interlock Sensor Geometry
- Quad element sensor
- 12m x 12m (40ft x 40ft); 110° viewing angle
- See Features Common to All Digital Motion Detectors above
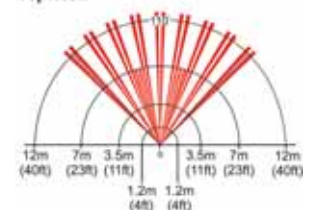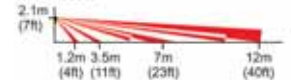
DG75:   **Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)**
- Extremely reliable and false-alarm free
- Dual optics (2 dual opposed element sensors)
- Provides superior pet immunity using a patented combination of advanced optics and digital processing technologies
- Immune to pets weighing up to 40kg (90lb)
- Digital Dual Opposed Detection
- 11m x 11m (35ft x 35ft); 90° viewing angle
- See Features Common to All Digital Motion Detectors above
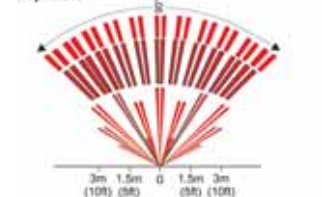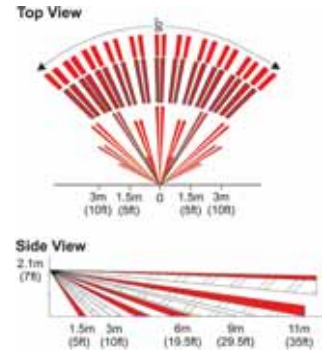
DG85: **Outdoor Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)**
Same features as the DG75 (page 24) plus a special weatherproof design:
- Impact and temperature resistant casing
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- UV protected lens
- Dual Optical Filtering System
- Metal shield maximizes protection from EMI and RFI signals
- Multi-level sensitivity adjustment
- Two operational modes (addressable for the Digiplex series or conventional relay operation)

525D: **Microwave and Infrared Digital Motion Detector**
- Digital microwave detection
- 3 LED indicators display type of movement
- Once the PIR validates that a signal meets alarm conditions, Digital Vision uses microwave signals to confirm the results before generating an alarm
- Adjustable microwave range
- 14m x 14m (45ft x 45ft); 90° viewing angle
- See Features Common to All Digital Motion Detectors on page 24
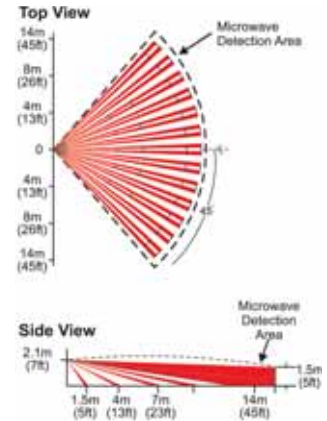
DG466: **Directional Ceiling-Mounted Digital Motion Detector**
- Two dual element sensors (determine if movement is incoming or outgoing)
- One incoming detection relay output
- One outgoing detection relay output
- Adjustable return delay timer (exit and reenter without causing an alarm)
- Patented Digital Detection (see Features Common to All Digital Motion Detectors on page 24)
- 67cm x 4.8m (2.2ft x 16ft) and 60cm x 4.8m (2ft x 16ft)
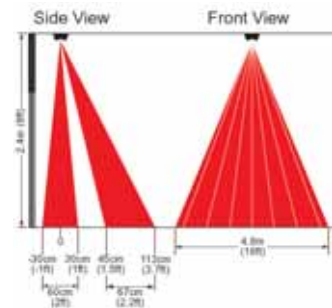
Features Common to All Analog Motion Detectors
- Patented Auto Pulse Signal Processing
- Automatic Temperature Compensation
- Metal shield maximizes protection from EMI and RFI signals
- Dual element sensor
- Anti-tamper switch

476+: **PIR with High EMI and RFI Rejection**
- Extremely high EMI and RFI rejection
- PCB uses only surface mount components
- Solid-state relay
- 11m x 11m (35ft x 35ft); 110° viewing angle
- See Features Common to All Analog Motion Detectors above
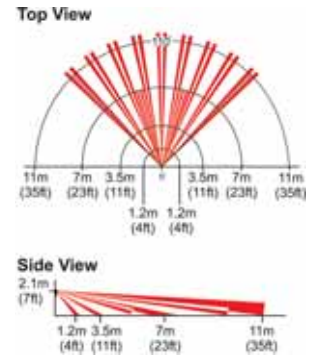
476PET: **Analog Single-Optic PIR (18kg/40lb Pet Immunity)**
- Immune to animals weighing up to 18kg (40lb)
- When a higher level of immunity is required, such as when animals are constantly in the detection area, consider using DG75
- 11m x 11m (35ft x 35ft) and up to 15m (50ft) for center beams with 88.5° viewing angle
- Extremely high EMI and RFI rejection
- PCB uses only surface mount components
- Solid-state relay
- See Features Common to All Analog Motion Detectors on page 26
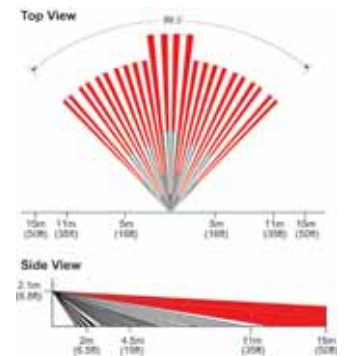
460: **Vertical View Motion Detector**
- Adjustable lens position (0° or 10°)
- Selectable operational voltage (12Vdc or 24Vdc)
- Adjustable alarm signal duration
- Detects hand-sized objects for card access applications: 2.1m x 1.5m (7ft x 5ft)
- Detects body-sized objects for security applications: 6m x 4.5m (20ft x 15ft)
- See Features Common to All Analog Motion Detectors on page 26
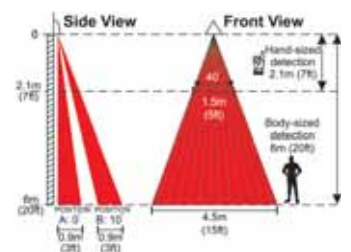
465: **360° Ceiling Mounted Motion Detector**
- 7m x 6m (24ft x 20ft) at 2.4m (8ft)
- 11m x 6m (35ft x 20ft) at 3.7m (12ft)
- 360° viewing angle
- See Features Common to All Analog Motion Detectors on page 26
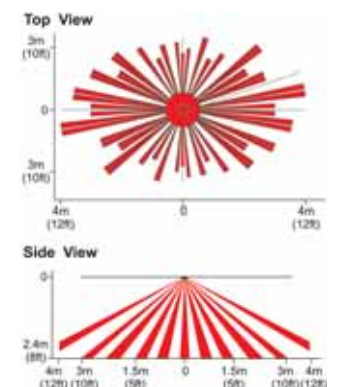
456: **Glassbreak Detector**
- Full audio and infrasonic spectrum analysis
- 7 frequency digital filters, digital amplifier gain and frequency fluctuation assessment
- Impact and shock wave analysis
- High-immunity to RFI and EMI signals
- Adjustable sensitivity: covers up to 9m (30ft) when set to high and up to 4.5m (15ft) when set to low
- TestTrek (459) used for testing available separately
- Anti-tamper switch

Signal Envelope Analysis
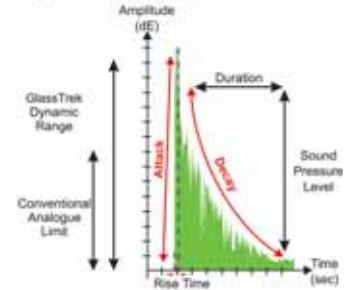
950: **Safe Protector**
- High-sensitivity piezoelectric element
- Five sensitivity settings
- 2.5m (8ft) protection range
- Anti-tamper switch

469: **Swivel Mount Bracket**
- 3 in 1: ceiling, wall or corner mount bracket
- Ensures optimal coverage

MG-SB85: **Heavy Duty Outdoor Swivel Bracket**

New

Available Now

- For use with the MG-PMD85 (page 5) and DG85 (page 25) outdoor digital PIRs
- Innovative T-joint allows for movement along two axes for better maneuverability and better detector positioning
- 3 in 1: ceiling, wall or corner mount bracket
- Cap lock prevents unauthorized repositioning of outdoor detector

Movement along 2 axes

Lenses

The following beam patterns represent the optional lenses that are available for the Pro+ (476+), Digigard 55 (DG55), Digigard 65 (DG65), Digiplex Motion Detector Modules (DGP2-50 and DGP2-60), Digital Vision (525D) and Magellan (MG-PMD1P) motion detectors. Distances shown may vary according to the selected motion detector; please verify the motion detector's specifications.
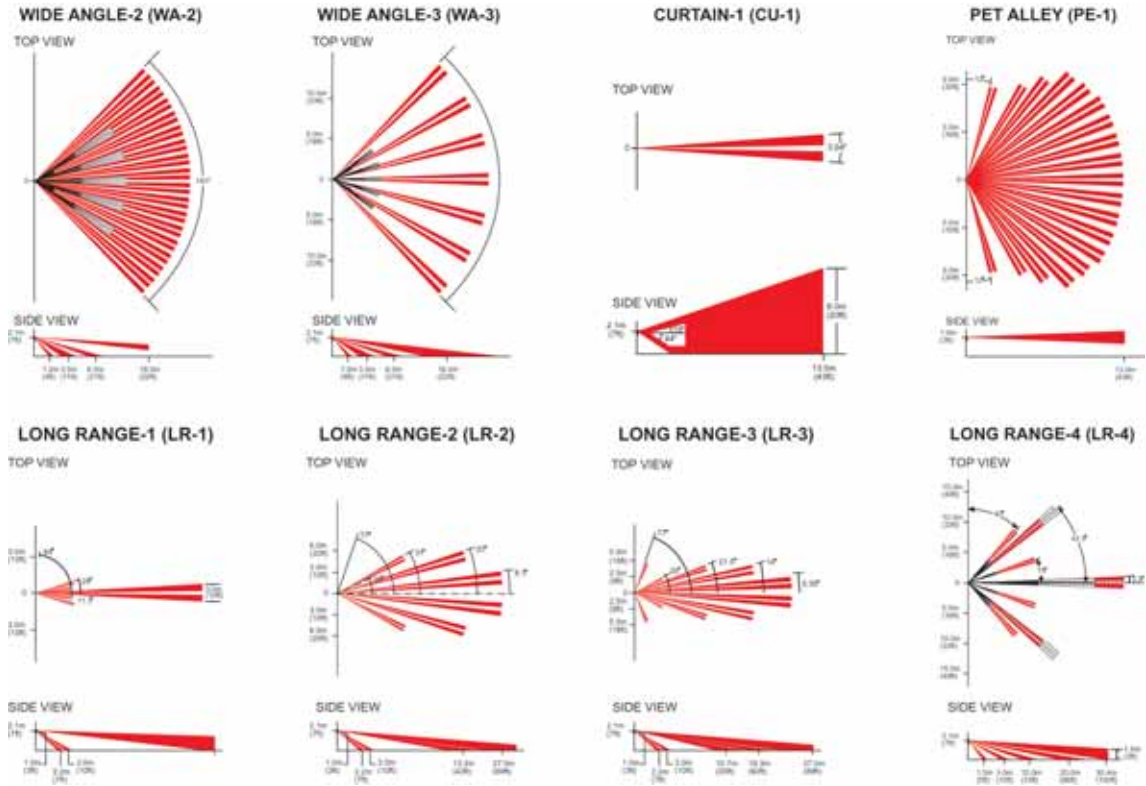
Access control is an important element of your security system. So when you want dependable security and unrivalled quality, turn to Paradox Security Systems. Paradox offers you a vast selection of indoor and outdoor readers from cost-effective to high-end, as well as a full range of accessories, all designed to deliver performance and durability.

CR-R870-A: **Indoor Proximity Reader with 10cm (4in) Read Range**
- Indoor installation only
- Covers single gang box
- Screw terminals
- Up to 10cm (4in) read range with CR-R702-A access card
- Two status LEDs (red and green) and beeper
- 26-bit Wiegand, 37-bit Wiegand and custom output formats

CR-R880-BL: **Indoor/Outdoor Proximity Reader with 10cm (4in) Read Range**
- Extreme weather-resistant design
- Up to 10cm (4in) read range with CR-R702-A access card
- 26-bit Wiegand, 37-bit Wiegand and custom output formats
- Tricolor LED display
- Advanced SwiftRead Technology
- Elegant blue face light

CR-R885-BL: **Indoor/Outdoor Proximity Reader and Keypad with 10cm (4in) Read Range**
CR-R885-SB: **Indoor/Outdoor Stand-Alone Proximity Reader and Keypad with 10cm (4in) Read Range**
- Extreme weather-resistant design
- Use as a keypad, reader or both
- Embedded 12-button keypad
- Up to 10cm (4in) read range with CR-R702-A access card
- Programmable face light, LEDs and buzzer
- Panic alarm output
- User-selectable PIN
- Keypad lockout feature
- 26-bit Wiegand, 37-bit Wiegand and custom output formats (CR-R885-BL only)
- Programmable PIN and card combinations (CR-R885-SB only)
- 1000 users (CR-R885-SB only)

CR-R890-BL: **Indoor/Outdoor Proximity Reader with 61cm (24in) Read Range**
- Extreme weather-resistant design
- Up to 61cm (24in) read range with CR-R702-A access card
- Automatic read-range calibration
- Wiegand, Track 2 ABA and custom output formats
- Tricolor LED display
- Advanced SwiftRead Technology
- Elegant face light

MG-WR1: **Magellan Access Receiver with Wiegand Interface**
- Unlock doors using a remote control
- Supports multiple Wiegand (including standard 26-bit Wiegand)
- Supports unlimited number of MG-REM1 Remote Controls and/or MG-RAC1 Remote Controls with Integrated Access Card (see page 4)
- Each remote control has a programmable family number and up to 5 card numbers
- Panic feature
- Control access to 2 doors with 1 interface
- Ideal for parking and condominium applications
- Available in 433MHz and 868MHz

Paradox offers a number of security accessories to complement our systems, such as a voice dialer, a digital communicator, metal boxes and more.

708ULT: **Stand-Alone Digital Dialer**
- Use as a stand-alone dialer or as a secondary dialer
- 8 zones: 4 on-board inputs (8 zones with zone doubling which supports serial or parallel wiring)
- CTR-21 approved dialer
- Telephone line monitoring (TLM)
- Supports pager, Contact ID, and slow formats
- 2 telephone numbers and 1 account number

VD710: **ParaVox Voice Dialer**
- Local and remote telephone programming
- Provides any control panel with remote voice and pager messaging
- 4 zone inputs and 2 PGM outputs
- 4 telephone and 4 pager numbers
- 1 installer and 4 user PINs
- Voice message length: 4 x 15 seconds or 2 x 30 seconds
- Available in English, French, Hungarian, Italian, Mandarin, Slovakian, Czech and Spanish

PS-817: **Switching Power Supply**
- 12Vdc, 1.75A switching power supply
- Fuseless electronic protection with automatic restore
- Automatic transfer to backup battery power
- Second backup battery connector (optional)
- Battery test input

320S: **Phone Line Protector**
- Provides installations with superior protection against damage caused by lightning and surges on telephone lines
- Gas arrestor and sidactor protection

278: **Tamper Kit**
- Use with metal boxes
- Protects against tampering (opening door or removal from wall)

Metal Boxes
- Provision for multiple module and panel mounting
- Many punch-out holes for simple wiring
- Easy door removal
- Convenient sizes:
  - 20cm x 25.5cm x 7.6cm (8in x 10in x 3in)
  - 28cm x 28cm x 7.6cm (11in x11in x 3in)
  - 33cm x 40.5cm x 10cm (13in x 16in x 4in)

PBOX: **Plastic Enclosure**
- For use with SPC-ZX8, APR3-ZX8, APR3-PRT1, APR3-PGM4 and APR3-ADM2

Motion Detector Comparison Chart

Products	Features												
	Digital Detection	Auto Pulse Signal Processing	Auto Temp. Compensation	Shield Algorithm	Dual Edge Proc.	Dual Opposed	Interlock Sensor Geometry	Special	Animal Immunity	Metal Shield	Sensor	Coverage (Viewing Angle)	Optional Lenses
DIGIGARD DG55	✓	✓	✓	✓	✓	-	-	-	-	✓	Dual element	m:12 x 12 ft: 40 x 40 110°	✓
DIGIGARD DG65	✓	✓	✓	✓	✓	✓	✓	-	-	✓	Quad element	m:12 x 12 ft: 40 x 40 110°	✓
DIGIGARD DG75	✓	✓	✓	✓	✓	✓	-	-	40kg/90lb	✓	2 Dual elements	m:11 x 11 ft: 35 x 35 90°	-
DIGIGARD DG85	✓	✓	✓	✓	✓	✓	-	Outdoor	40kg/90lb	✓	2 Dual elements	m:11 x 11 ft: 35 x 35 90°	-
Digital Vision	✓	✓	✓	✓	✓	-	-	Micro-wave	-	-	Dual element	m:11 x 11 ft: 35 x 35 90°	✓
PARADOME DG466	✓	✓	✓	✓	-	-	-	Directional	-	-	2 Dual elements	see page 25	-
PRO Plus 476+	-	✓	✓	-	-	-	-	-	-	✓	Dual element	m:11 x 11 ft: 35 x 35 110°	✓
PRO Plus 476PET	-	✓	✓	-	-	-	-	-	18kg/40lb	✓	Dual element	see page 26	-
PARADOOR 460	-	✓	✓	-	-	-	-	Vertical view	-	✓	Dual element	see page 26	-
PARADOME 465	-	✓	✓	-	-	-	-	-	-	✓	Dual element	see page 26	-
MAGELLAN MG-PMD1P	-	✓	✓	-	-	-	-	Wireless	18kg/40lb	-	Dual element	see page 4	✓
MAGELLAN MG-PMD75	✓	✓	✓	✓	✓	✓	-	Wireless	40kg/90lb	-	2 Dual elements	m:11 x 11 ft: 35 x 35 90°	-
MAGELLAN MG-PMD85	✓	✓	✓	✓	✓	✓	-	Wireless Outdoor	40kg/90lb	✓	2 Dual elements	m:11 x 11 ft: 35 x 35 90°	-

Control Panel Comparison Chart

Products	Features												
	Total # of zones	On-board hardwired zones	Keypad zones	Virtual zones$_e$	Partitions (areas)	Users	Buffered events	On-board PGMs	Expansion bus	Wireless Expansion	Built-in Access Control	Telephone line(s)	Software
MAGELLAN MG-6060	16$_h$	2$_h$	-	-	-	16	256	2	-	i	-	1 CTR-21	WinLoad
728ULT	10	4 / 8$_a$	2	-	2	49	256	1	-	8 remotes	-	1 CTR-21	Espload
738ULT	18	8 / 16$_a$	2	-	2	49	256	3	-	8 remotes	-	1 CTR-21	Espload
748+	24	12 / 24$_a$	2$_c$	-	2	49	256	3	-	8 remotes	-	1	Espload
SPECTRA 1727	6	5$_j$	1	-	-	8	-	3	-	-	-	- no dialer	-
SPECTRA 1728	16	5/10$_a$	2	-	2	48	256	2 expandable to 11$_f$	5 exp. modules max.	8 zones + 8 remotes	-	1 CTR-21	WinLoad
SPECTRA 1738	16	7 / 14$_a$	2	-	2	48	256	3 expandable to 11$_f$	5 exp. modules max.	8 zones + 8 remotes	-	1 CTR-21	WinLoad
SPECTRA 1759MG	15$_b$	5	2	-	2	48	256	3 expandable to 9$_f$	5 exp. modules max.	b	-	1 CTR-21	WinLoad
DIGIPLEX DGP-848	48	8 / 16$_a$	no limit$_d$	8	4	96	1024	2 expandable to 125$_f$	95 exp. modules max.	48 zones + 48 remotes$_g$	✓	1 CTR-21	WinLoad
DIGIPLEX DGP-NE96	96	8 / 16$_a$	no limit$_d$	32	8	999	2048	3 expandable to 250$_f$	127 exp. modules max.	96 zones + 96 remotes$_g$	✓	1 CTR-21	NEware WinLoad

a. With Zone Doubling (ATZ) feature enabled. Not available with 1759MG and 1727.
b. Built-in wireless receiver supports eight zones and eight remote controls.
c. Maximum 24 zones. If Zone Doubling feature is enabled, keypad zones will disable the doubled zone on two zone inputs.
d. There is no limit to the number of keypad zones, but they cannot exceed the system's zone capacity.
e. Virtual zones can be used for home automation applications and do not occupy security zones.
f. Depends on the number and the type of modules connected to the control panel.
g. Supports multiple wireless expansion modules and each provide 16 zones and 16 remote controls.
h. If feature is enabled, two of the on-board wireless zones become hardwired zones therefore only leaving 14 wireless zones available.
i. Wireless system that supports 16 zones and 16 remote controls.
j. 4 zone inputs and 1 Fire/24Hr. Burglary zone.

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