SECURITY PRODUCTS CATALOGUE

La vie en... Blue

CROW
The Crow Group

www.thecrowgroup.com

CORPORATE PROFILE

The Crow Group is a worldwide leading designer and manufacturer of electronic intruder alarm systems and detection devices. The company provides professional installers with the highest standards of performance as well as innovative and cost effective solutions.

With a full range of wired and wireless control panels, intrusion alarm detectors, unique outdoor detection devices, access control systems and smart communication accessories for the security industry, the Crow Group offers its proven expertise to the security industry and satisfies the evolving needs of the security marketplace.

Crow's products are used worldwide by professional installers and central stations to protect life and property in residential, commercial, industrial and military environments.

The Company has established a worldwide dynamic network of distributors and sales offices, making the best use of its most advanced technologies, state-of-the-art R&D and manufacturing facilities.
Its Total Quality Management is in line with the latest international standards.

EUROPEAN 868 MHz PRODUCTS

RoHS

CROW ELECTRONIC ENGINEERING LTD. The company was founded in 1982 with the specific aim of developing, designing and manufacturing advanced products for the security industry. The company's commitment to innovative design and quality has ensured that Crow has established itself as one of the very top names in the international security market.

ACTEC LTD. offers advanced access control solutions for the professional security market including stand alone and PC based systems.

ARROWHEAD ALARM PRODUCTS LTD. was established in 1986. The Company develops, manufactures and markets a wide range of control panels and communication devices. While being a leading player in the security market in New Zealand and Australia, Arrowhead is a major development and engineering arm of the Crow Group.

FREELINK LTD. develops and markets wireless systems and unique communication devices. Freelink holds patents in the USA, Europe and Israel for methods and systems for immune low rate modems.

sales@crow.co.il   support@crow.co.il

w w w . t h e c r o w g r o u p . c o m

RUNNER™

NEW HYBRID CONTROL PANELS WITH
HOME AUTOMATION AND ACCESS CONTROL CAPABILITIES

RUNNER™ BLUE SERIES
Wired and Wireless Security Solutions

The Runner™ Series of control panels and accessories enables installers and end users to benefit from a wide range of products and features suited to both wired and wireless applications.

The Runner™ series offers incredible value for money and comprehensive solutions to today's security problems.

RUNNER 4/8
■ 4-8 Zones Alarm Control Panel

RUNNER 8/16
■ 8-16 Zones Alarm Control Panel

PROX & PIN CODE KEY
■ For Runner Series only
■ Programmable Via Keypad Bus

CROW'S NEW GENERATION OF CONTROL PANELS WITH MANY MORE NEW FEATURES

■ Up to 100 users & 80 pendants
■ Easy rolling menu for fast programming
■ Wired and hybrid solutions
■ 2 true partitioned areas with separate arming
■ Automatic Arm/Disarm and Output Activation
■ Call back option
■ Access control capabilities with user friendly Prox Readers
■ Designed to comply with EN-50131-1 and PD 6662:2004 Grade 2 Class 2
■ Easy installation
■ Compact versions available with built-in LCD display and FW Receiver
■ User friendly programming and operation supports all Freewave accessories
■ RUNNER™ Kits available with compact panels and accessories

POWERWAVE™

POWER WAVE 32/64 "ELITE"

MULTI ZONE CONTROL PANEL

POWER WAVE 32/64 "ELITE"

- ■ **Up to 64 fully programmable hardwired or wireless zones**
  - ■ Supports up to 64 hardwired or wireless zones using two 32 Expander Modules via smart key Bus
  - ■ 64 wireless zones using FW-RCV wireless receiver
  - ■ Programmable and fully supervised zones as intrusion or fire
  - ■ Zone wiring options includes: normally closed, single end of line (EOL) resistor
- ■ **Multi language LCD keypads support**
- ■ **8 Programmable outputs with more than 20 programmable options**
- ■ **4 true partitions areas with separate arming**
- ■ **Advanced communication**
  - ■ Main formats including contact ID, SIA, voice and more
  - ■ D-LINK serial interface module for local up/download via PC
  - ■ Viewing status and trouble conditions in real time
  - ■ Fast programming using EPROM module
  - ■ 8 phone numbers
  - ■ Call back option
  - ■ Fax defeat option
- ■ **255 event buffer with time and date stamp**
- ■ **Efficient and easy installation with 4 wire smart Bus to connect keypads and modules**
- ■ **100 access codes**
- ■ **"Quick arm" option**
- ■ **"STAY" arming for perimeter arming per partition with selectable zones while premises are occupied**

- ■ **Automatic arming/disarming at a specific time every day per area**
- ■ **False alarm prevention features**
  - ■ Audible exit delay, audible exit fault
  - ■ Arm/disarm bell squawk
  - ■ Urgency on entry delay
  - ■ Programmable swinger shutdown by zone
  - ■ Quick exit option
  - ■ Programmable transmission delay by zone
  - ■ AC failure, TLM trouble, and Low Battery transmission delays
  - ■ Recent close code transmission
  - ■ Opening after alarm code transmission

POWER WAVE 16

ADVANCED 16 ZONE SECURITY SYSTEM

- ■ 16 hardwired zones
- ■ Up to 3 partitions and 3 part set modes
- ■ Programmable Day zone (Chime) mode
- ■ 3 exit & up to 16 entry delay timers
- ■ Stay mode night arming station
- ■ Up to 50 users
- ■ Up to 8 programmable time zones
- ■ Auto Arm/Disarm and control of outputs via time zones
- ■ 8 on-board fully programmable outputs
- ■ 256 event buffer
- ■ Multiple communication formats
- ■ Phone line monitoring
- ■ Up to 6 programmable phone numbers and 4 scenarios
- ■ Up to 16 radio devices
- ■ Up to 20 radio keys
- ■ Supports PowerWave & Freewave accessories

WINWAVE FULL UPLOAD/DOWNLOAD SOFTWARE PACKAGES

- ■ User friendly windows based software for all PowerWave panels
- ■ Bell 103 and CCITT V21 formats supported

POWER WAVE 16

FREEWAVE

INTEGRATED WIRELESS CONTROL PANELS

Freewave advanced security and home automation system helps you safeguard your home and family and provides you that reassurance you so much need...

PERFORMANCE...

- Up to 60 wireless zones and 4 hardwired zones
- Remote, in house and mobile control
- Advanced built-in digital audio features including message recording playback and 2 way voice monitoring
- Integrated home automation and control
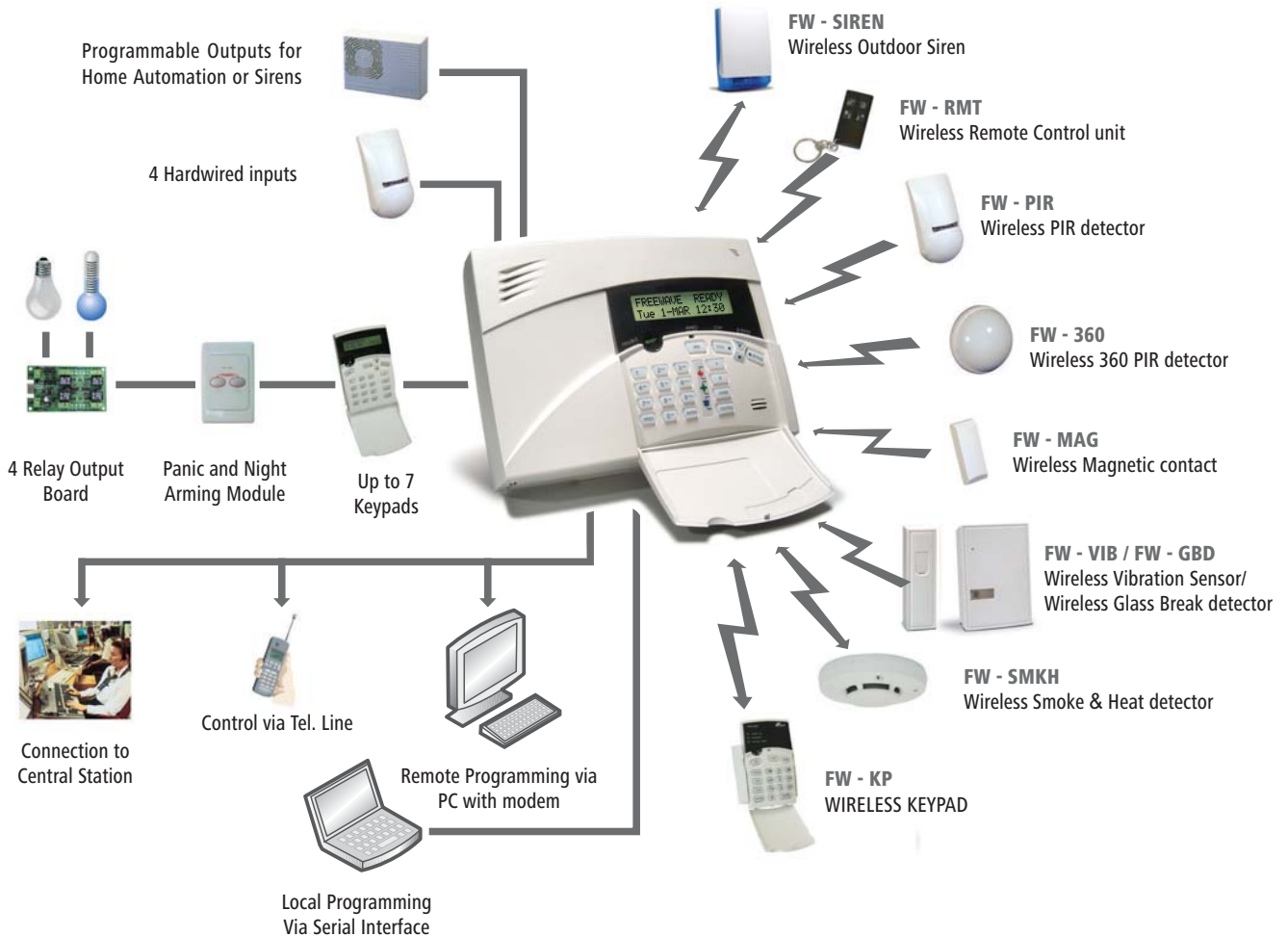- Efficient time management

EASY...

- Easy operation
- Friendly keypads and voice response guidance
- Reduced installation time
- Compact and stylish design with large backlit LCD display
- Multi-language support

SAFE...

- Child and elderly or disabled monitoring
- Pet immune detectors
- Effective monitoring of emergencies
- Compliance with European standards and regulations

FREEWAVE FULLY SUPERVISED WIRELESS ACCESSORIES

Programmable Outputs for
Home Automation or Sirens

4 Hardwired inputs

FW - SIREN
Wireless Outdoor Siren

FW - RMT
Wireless Remote Control unit

FW - PIR
Wireless PIR detector

FW - 360
Wireless 360 PIR detector

FW - MAG
Wireless Magnetic contact

FW - VIB / FW - GBD
Wireless Vibration Sensor/
Wireless Glass Break detector

FW - SMKH
Wireless Smoke & Heat detector

FW - KP
WIRELESS KEYPAD

4 Relay Output
Board

Panic and Night
Arming Module

Up to 7
Keypads

Connection to
Central Station

Control via Tel. Line

Remote Programming via
PC with modem

Local Programming
Via Serial Interface

- Self contained wireless control panel with integrated 2 lines x 16 character large LCD display
- Up to 60 wireless zones
- Up to 4 hardwired zones
- 80 wireless keys
- Up to 4 partitions and 4 part set modes
- 100 user codes
- D-Link serial interface for easy local PC based programming
- WinWave Full upload/download software for system local or remote programming
- Unique integral digital audio package: voice user instructions and messages, message recording and playback, as well as voice monitoring

- Supports Telephone, cellular, domestic dial and personal paging communication
- 256 time and date stamped event memory
- EEPROM program backup module via serial port
- Full system status and program back up capability
- Multiple communication formats incl. Contact ID, 4+2, domestic and more
- Up to 6 programmable telephone numbers and 4 scenarios
- Fully supervised operation incl. low battery, communication failure and
- RF Jamming
- Reduced installation time
- RSSI supervised Wireless devices location test
- Reliable 868 MHz technology

The Freewave systems offer full supervision and outstanding features for professional wireless residential and commercial installations

CONTROL PANEL ACCESSORIES

[NEW]
RUNNER™ BLUE SERIES
Blue Icon LED & LCD Keypads

LED ICON KEYPADS
- Slim LED Icon Keypads
- Memory viewing
- Backlit soft touch buttons with tone
- 3 Panic buttons & Emergency buttons

LCD-L & S MULTILANGUAGE KEYPADS
- 2x16 Character two line compact Keypads
- 3 Panic Emergency buttons
- Events display with time & date
- Backlit soft touch buttons with tone
- Multi language support

FW - KP
- Wireless Keypad
- Lithium battery powered
- Multi function learning mode
- Portable with easy mounting bracket

VOICE BOARD/DTMF DECODER
- 90 sec recording of alarm and control messages
- Local or via DTMF operation
- Voice messages recording with speech programmer
- Microphone input
- DTMF Decoder with voice option
- 2 Way voice (optional)

MICROPHONE MODULE
- Listen in via tel. line of premises using voice board

MONITOR BOARD
- Special flush mount panic module
- Easy night arming

D-LINK USB/RS232
- Direct Up/Down load via serial/USB interface
- Memory events to PC

SPEECH PROGRAMMER
- Module for voice message programming

OUTPUT RELAY EXPANDER BOARD
- 4 Relay Outputs
- Programmable via Bus

EEPROM
- Fast Plug-in module for data transfer to multiple panels with common programming

FW - RCV
- Wireless receiver interface
- Reliable 868 MHz technology
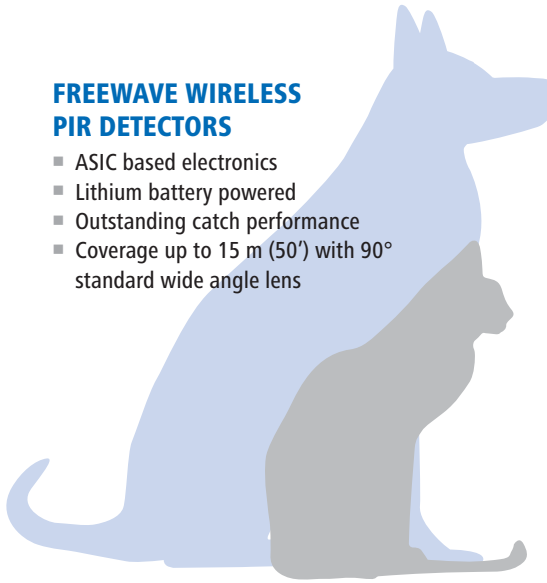- Support all Freewave wireless accessories
- Plug & Play module

SMART DIGITAL KEY
- Special electronic readers & keys for Runner™ Series

FREEWAVE WIRELESS PIR DETECTORS

- ASIC based electronics
- Lithium battery powered
- Outstanding catch performance
- Coverage up to 15 m (50') with 90° standard wide angle lens

FW - SWAN
PET IMMUNE WIRELESS PIR DETECTOR

FW-200P
PET IMMUNE WIRELESS PIR DETECTOR

FW-MAG

FREEWAVE WIRELESS DOOR/WINDOW CONTACTS

- Magnetic door or window contact
- Lithium battery operated
- Screw input terminals

FW-SMKH

FREEWAVE WIRELESS SMOKE & HEAT DETECTOR

- Lithium battery powered
- Low Battery indicator

FW-360

FREEWAVE WIRELESS 360° CEILING MOUNT DETECTOR

- ASIC based Electronics
- Lithium battery powered
- 360° / 20m (66') diameter coverage when mounted at 3.6m (12')

[NEW]
FW-VIB

FW-VIB   **FW-GBD**

FREEWAVE WIRELESS VIBRATION SENSORS & GLASS BREAK DETECTORS

- Detection range up to 12 m (40')
- Lithium battery powered

FW-RMT

FREEWAVE REMOTE CONTROL WIRELESS KEYS

- 4 Programmable buttons
- Lithium battery powered

FW PANIC

- Water resistant Kit including durable wristband and necklace
- Single button activation
- 2 X 1.5V battery operated
- Ideal for assisted living installations

MERLIN PRO™

UNIVERSAL RECEIVER INTERFACES

The Merlin Pro is a unique wireless receiver interface implementing the advanced Freewave 868 Mhz FSK technology.

The Merlin Pro is designed to convert any wired control panel into a wireless system.

The system offers an extended open space fully supervised operating range, a multi-year battery life and many other powerful and user friendly features.

- Easy to program and operate
- Quick and easy to install
- Ideal for retro-fit applications
- Compact and elegant design with backlit LCD display
- Support of up to 64 zones and 256 pendants
- Zone supervision, low battery alarm and tamper indications
- 256 Events saved for user friendly retrieval at all times
- 5 Programmable relay functions
- Separate tamper output
- Multi language support
- RSSI supervision
- Real time clock
- Operating frequency: 868 MHz.
- Other frequencies upon request
- Up to 700m (0.435 mile) receiver range in free space
- Supports FreeWave Wireless devices

RUNNER LINK™

The Runner Link™ is a Network Alarm Communicator that operates with Crow's Runner™ Control Panel Series.

The Runner Link™ communicates alarm signals to the central station or to a PC via the TCP/IP network, using the dedicated Runner Link™ software.

- Connecting alarm equipment to IP networks
- Standard alarm protocols supported (SIA/CID)
- Dedicated server for secure polling
- Real time remote access to the system
- Event log on-demand
- IP adaptor connection via Bus to Runner Series control panels
- Continuous line supervision
- Alarm Signals via IP transmission
- Upload /Download via TCP/IP
- Back up line via GPRS (option)
- Distribution of alarm information to cellular and e-Mails (using A-track software)

CS

GSM BACKUP UNITS

The CS47 is a supervised alarm transmission and GSM backup system. It provides telecommunication line supervision and automatically ensures an alternative communication path via the GSM network in case of PSTN phone line failure.

The CS47 will also send SMS messages and SMS status reports. The system can be connected to any control panel operating with a PSTN dialer and offers increased security of communication.

CS-47

- Built-in Four band GSM modem
- Continuous PSTN line supervision
- SMS messages support
- 4 inputs for SMS message transferring
- 4 outputs for status indication
- 1 key switch input
- Cost routing support
- PSTN/GSM line switch
- Data transfer using GSM or GPRS
- PSTN line cut detection
- Battery backup and charger
- On/Off hook detection
- DTMF decoder
- Dial tone generator
- Pulse meter
- Ringing generator
- "No signal" detection
- Automatic prefix number support
- Battery backup support
- Easy local or remote programming
  by dedicated supplied software

CROW GATE™ SMART GSM CONTROLLERS

The Crow Gate is a revolutionary GSM system based on caller ID identification for gate control using any GSM mobile phone.

It allows opening a gate to authorized visitors at no cost as the system never picks up the call.

This feature rich smart device not only replaces expensive remote control units or card access systems but allows gate opening at any time from anywhere you happen to be.

USER FRIENDLY SOFTWARE ALLOWS:

- Tracking of staff/visitor time and attendance
- Allow remote access for visitors while off-site
- Access time authorization by caller ID
- Billing of time on site (Parking lots, Gyms etc)

FLEXIBLE AND SAFE OPERATION

- Numbers are stored in the Crow Gate memory and not on the SIM card for security purposes.
- No risk of traditional remote control units copying
- Password protected Software for local or remote configuration incl: caller IDs addition or removal, scheduling parameters definition or changes.

SPECIFICATIONS

- Up to 1000 users (Standard)
- Tri Band modem (900/1800/1900 Mhz)
- 12V operation
- Optional Wiegand protocol support
- NO/NC Relay output
- Programmable time trigger input for external sensor
- Housing size : 24 x 18 x 5 cm (9.4" x 7" x 2 ")

SWAN™

QUAD IMAGING PET IMMUNE DETECTORS

QUAD IMAGING TECHNOLOGY WITH PET IMMUNITY
The new Swan line detectors use specially designed optical lenses with a Quad element pyro sensor and an advanced new ASIC based electronics. The line features Pet Immunity that can virtually eliminate false alarms caused by small animals and pets up to 25 Kg (55 lbs) in weight.

SHARPEST DETECTION AND EXCEPTIONAL STABILITY
The Swan detectors provide unprecedented levels of catch performance, immunity against visible light and electrical transients together with exceptional stability for every security application.
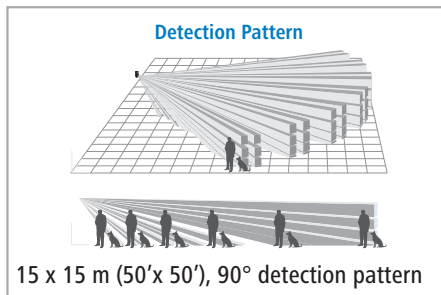
SLIM LINE HOUSING DESIGN
The Swan line features compact and streamlined housings suited for residential and commercial applications. The housing gives easy access for wiring and good space for terminations.

UNIQUE MOUNTING BRACKET KIT AND SPECIAL CURTAIN MASK
The Swan detectors are installation height calibration free. They can be wall, corner or ceiling mounted with an exceptionally user friendly bracket kit. The Swan Series offer a special masking device for adapting the detector's lens to long range curtain pattern.

All models with Pet Immunity up to 25 Kg (55 lbs)

Detection Pattern

15 x 15 m (50'x 50'), 90° detection pattern

Installation Bracket kit for Wall / Ceiling / Corner mounting

SWAN QUAD
- Digital quad PIR detector
- Bi directional temperature compensation
- Pet immunity of up to 25 kg (55 lbs)
- Slim design for residential installations

SWAN PGB
- PIR, Shock and Glass Break detector
- 2 separate relays for PIR and Glass Break
- Exceptional detection of plate and tempered glass
- Compact design for commercial installations

SWAN CAM
- Combined PIR & Pinhole Color or B&W camera (PAL/NTSC , EIA/CCIR)
- Separated NO/NC relays for VTR and alarm control
- Timer for VRT activation
- Effective alarm verification with AGC audio and video

SWAN™

SWAN DT AM/SWAN QUAD AM
EN50131-1 GRADE 3 ANTI-MASKING DETECTORS

Crow's new SWAN PIR AM and SWAN DT AM detectors are designed for high security commercial applications. In compliance with EN 50131-1 Grade 3 standard, these sensors are the perfect choice when masking is a concern.

They combine advanced digital signal processing, adaptive microwave threshold, pet immunity, hard spherical optics, wall tamper detection and K-band technologies to deliver the sharpest catch performance and the ultimate false alarm immunity.

▪ SWAN QUAD AM

Grade 3 Anti-Masking Digital Quad PIR Detector

▪ SWAN DT AM

Grade 3 Anti-Masking Digital Dual Technology
PIR & MW K-band Detector

SWAN 1000/SWAN 2000 AM
EN50131-1 GRADE 2 DIGITAL DUAL TECHNOLOGY DETECTORS

SWAN 1000

- Passive Infrared and microwave detector
- Digital microwave signal processing
- PIR and microwave sensitivity adjustment
- Bi directional temperature compensation

SWAN 2000 AM

- Passive Infrared and microwave detector
- Anti-masking feature on microwave
- Digital microwave signal processing
- PIR and microwave sensitivity adjustment
- Bi directional temperature compensation

MR

PROFESSIONAL MIRROR OPTICS PIR DETECTORS

Crow is proud to present its Top of the Range line of Mirror optics PIR detectors. Using leading edge technology these products are ideal for professional security installations where reliability and stability are of prime importance. The MR series brings exceptional detection performance allied to superb false alarm rejection technology for the ultimate in protection

PRECISION VARIFOCAL MIRROR DESIGN

Varifocal mirrors dramatically improve the focus and level of energy collected by the Pyro Sensor regardless of range. The electronic gain of the detector is reduced and therefore the Signal to Noise ratio is optimized to virtually eliminate false alarms. This design also provides an improved freedom from false alarms with its unprecedented level of immunity against visible light.

ASIC BASED SIGNAL PROCESSING

The ASIC signal processing implemented in the MR series allows the detector to identify human movement with extreme accuracy, validate intrusions and program itself to cope with harsh environmental applications.

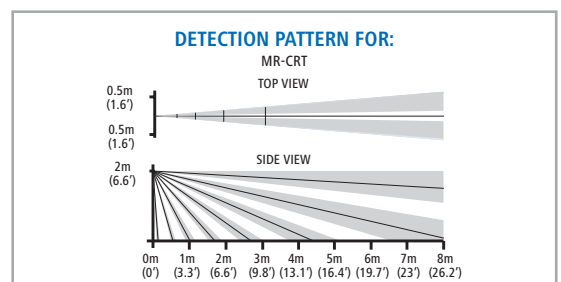### EXCEPTIONAL STABILITY AND VERSATILITY

The MR series offers an unparalleled detection capability and stability for every security installation. It includes various models adapted to each type of installation, from the smallest device for curtain pattern protection to the most sophisticated sensors.

THE WORLD'S SMALLEST MIRROR OPTICS PIR DETECTOR

MR-CRT
MIRROR OPTICS CURTAIN PIR PROTECTION IN ULTRA COMPACT DESIGN

- High precision built-in sealed mirror optics
- 8 curtains of detection
- 8 m (26') detection range with full creep zone protection
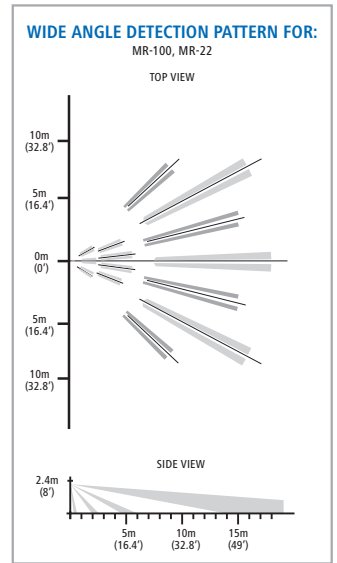- Automatic temperature compensation

DETECTION PATTERN FOR:
MR-CRT

TOP VIEW

0.5m (1.6')

0.5m (1.6')

SIDE VIEW

2m (6.6')

| 0m (0') | 1m (3.3') | 2m (6.6') | 3m (9.8') | 4m (13.1') | 5m (16.4') | 6m (19.7') | 7m (23') | 8m (26.2') |

MR-100
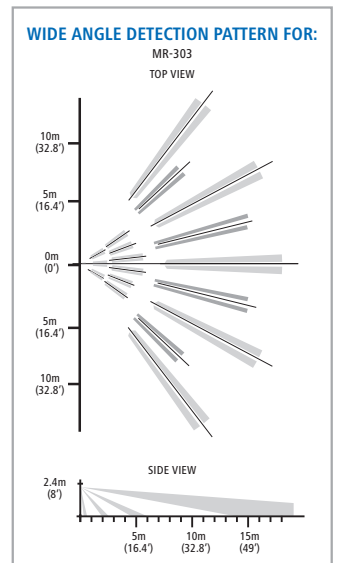### COMPACT WIDE ANGLE PIR DETECTORS

- High precision mirror optics
- Dual Element pyro sensor
- 15 m (49′) detection range with 90º wide angle mirror
- Automatic temperature compensation
- Sensitivity adjustment
- Compact design for residential installations

WIDE ANGLE DETECTION PATTERN FOR:
MR-100, MR-22
TOP VIEW

10m (32.8′)
5m (16.4′)
0m (0′)
5m (16.4′)
10m (32.8′)

SIDE VIEW

2.4m (8′)

5m (16.4′) · 10m (32.8′) · 15m (49′)

MR-22
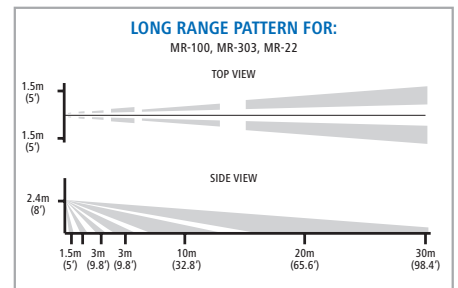### DOUBLE DUAL ELEMENT MIRROR OPTICS PIR DETECTOR

- Unique double dual element PIR and double Mirror optics for superior catch performance in harsh environments
- Up to 25 m (82′) detection range with long range mirror
- ASIC based electronics design for maximum protection against false alarms
- Automatic temperature compensation
- Ideal for commercial applications

WIDE ANGLE DETECTION PATTERN FOR:
MR-303
TOP VIEW

10m (32.8′)
5m (16.4′)
0m (0′)
5m (16.4′)
10m (32.8′)

SIDE VIEW

2.4m (8′)

5m (16.4′) · 10m (32.8′) · 15m (49′)

MR-303
ULTRA WIDE ANGLE PIR DETECTORS

- High precision mirror optics
- Dual element pyro sensor
- Sealed optics for enhanced stability against Air movements and insects intrusion
- 15 m (49′) detection range with 110º ultra Wide angle mirror
- ASIC based electronics for higher stability and rejection of unwanted interference
- Sensitivity adjustment
- Automatic temperature compensation

LONG RANGE PATTERN FOR:
MR-100, MR-303, MR-22
TOP VIEW

1.5m (5′)
1.5m (5′)

SIDE VIEW

2.4m (8′)

1.5m (5′) · 3m (9.8′) · 3m (9.8′) · 10m (32.8′) · 20m (65.6′) · 30m (98.4′)
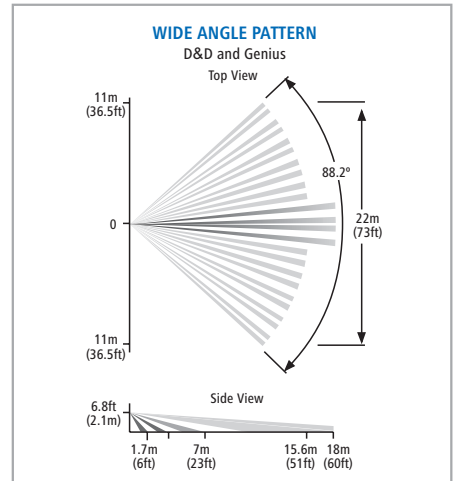
SMART

DOUBLE DUAL™ AND DOUBLE LINEAR IMAGING TECHNOLOGY DETECTORS

D&D

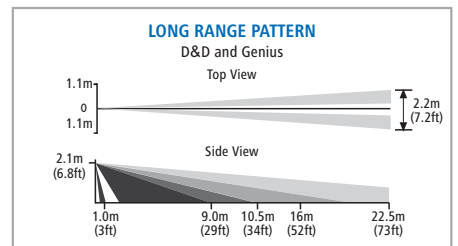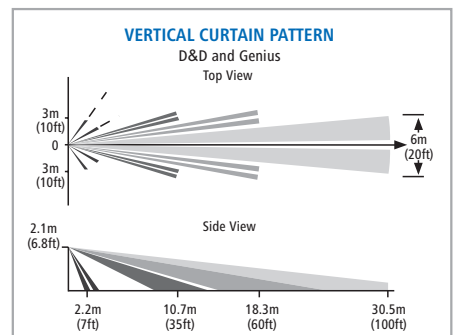#### WEATHER RESISTANT DOUBLE DUAL ELEMENT MOTION DETECTOR

- Unbeatable reliability in hostile environments
- Outstanding catch performance
- Ignores animals, birds and insects
- Latest ASIC technology embedded
- Automatic temperature compensation
- White light immunity
- High RFI and EMI immunity

WIDE ANGLE PATTERN
D&D and Genius
Top View

11m (36.5ft)
0
11m (36.5ft)
88.2°
22m (73ft)

Side View
6.8ft (2.1m)
1.7m (6ft) 7m (23ft) 15.6m (51ft) 18m (60ft)

GENIUS

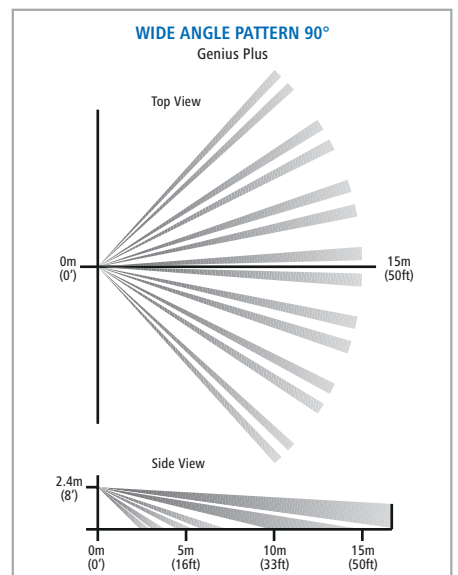#### DOUBLE DUAL ELEMENT MOTION DETECTOR

- "Double dual" optic system for 3D vision and easy differentiation between a small animal and a genuine intruder
- Advanced ASIC based electronics for supreme accuracy and reliability
- Automatic temperature compensation
- High RFI and EMI immunity
- Adapted for installation in harsh environments

VERTICAL CURTAIN PATTERN
D&D and Genius
Top View

3m (10ft)
0
3m (10ft)
6m (20ft)

Side View
2.1m (6.8ft)
2.2m (7ft) 10.7m (35ft) 18.3m (60ft) 30.5m (100ft)

LONG RANGE PATTERN
D&D and Genius
Top View

1.1m
0
1.1m
2.2m (7.2ft)

Side View
2.1m (6.8ft)
1.0m (3ft) 9.0m (29ft) 10.5m (34ft) 16m (52ft) 22.5m (73ft)

GENIUS PLUS

THE NEW GENIUS WITH DOUBLE LINEAR IMAGING TECHNOLOGY

- Double Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from background and animals
- Up to 5 kg. (11 lb.) pet immunity
- Latest ASIC technology embedded
- Automatic temperature compensation
- High RFI and EMI immunity
- Adapted for installation in harsh environments

WIDE ANGLE PATTERN 90°
Genius Plus

Top View

0m (0')
15m (50ft)

Side View
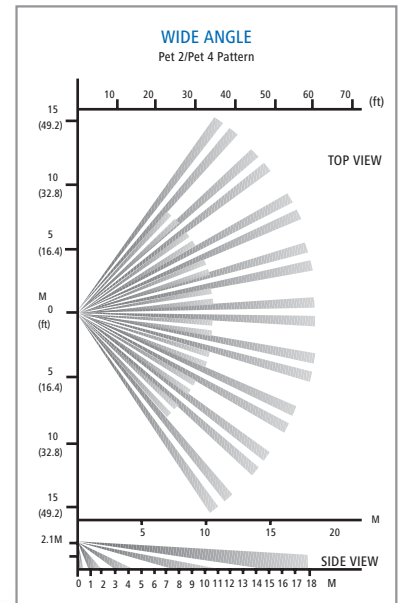2.4m (8')
0m (0') 5m (16ft) 10m (33ft) 15m (50ft)

PET 2

- Dual element pyro sensor
- Hard type full pattern spherical lens and diffractive mirror for creep zones
- Variable pulse width adjustment
- Sensitivity adjustment
- Automatic temperature compensation
- Height installation calibration free from 1.5M to 3.6m (5ft to 12ft)
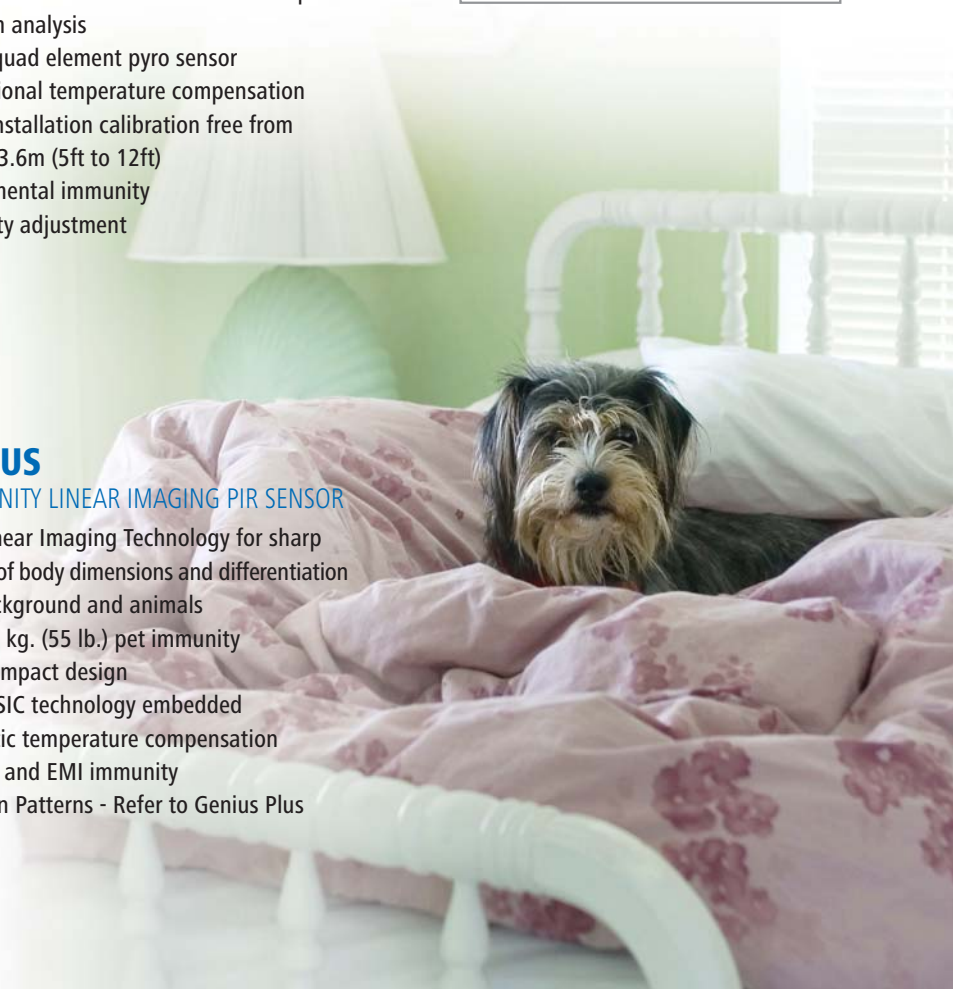- Environmental immunity

PET 4

- Hard spherical interchangeable lenses with LP filter for best immunity against visible light
- Optional black lenses with LP filter for industrial applications
- Diffractive reflection mirror for creep zones
- VLSI based electronics with movement speed spectrum analysis
- Unique quad element pyro sensor
- Bi directional temperature compensation
- Height installation calibration free from 1.5m to 3.6m (5ft to 12ft)
- Environmental immunity
- Sensitivity adjustment

WIDE ANGLE
Pet 2/Pet 4 Pattern

TOP VIEW

SIDE VIEW

PET PLUS
PET IMMUNITY LINEAR IMAGING PIR SENSOR

- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from background and animals
- Up to 25 kg. (55 lb.) pet immunity
- Super compact design
- Latest ASIC technology embedded
- Automatic temperature compensation
- High RFI and EMI immunity
- Detection Patterns - Refer to Genius Plus

CEILING MOUNT

TLC-360
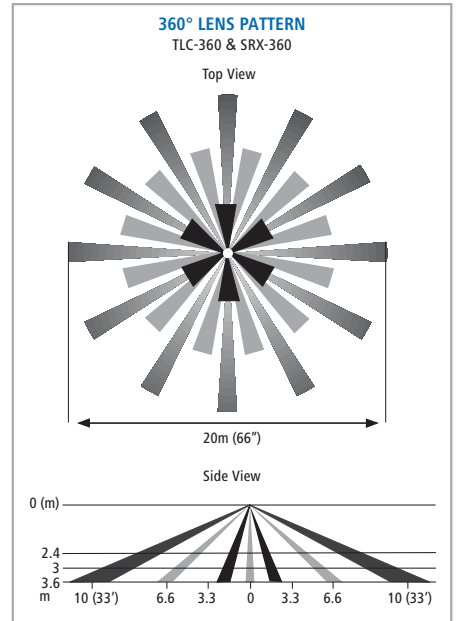### 360° CEILING MOUNT PIR DETECTOR

- Unique hard shell spherical lens
- 360° / 20 m (66') diameter coverage when mounted at 3.6 m (12')
- Ceiling mounted quad element pyro
- Complete range adjustment
- ASIC based technology
- Fully sealed optical chamber
- Extra-wide rear wiring channel

360° LENS PATTERN
TLC-360 & SRX-360

Top View

20m (66")

Side View

0 (m)

2.4
3
3.6
m   10 (33')   6.6   3.3   0   3.3   6.6   10 (33')

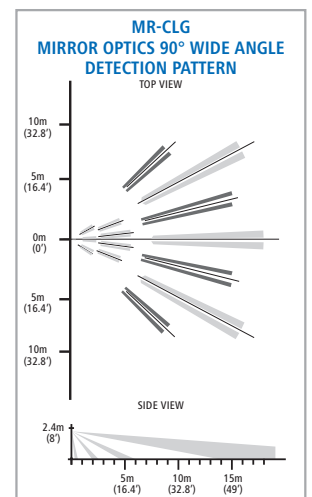## SRX-360
360° CEILING MOUNT PIR & MW DETECTOR

- PIR and Microwave sensor with 360° coverage pattern
- Up to 3.6 m (12ft) Mounting Height
- 360° / 20 m (66') diameter coverage when mounted at 3.6 m (12')
- ASIC based electronics
- Suited for harsh environments
- High RFI and EMI immunity
- Rodent Immunity

MR-CLG
90° MIRROR OPTICS CEILING MOUNT DETECTOR

- Dual element PYRO sensor and full pattern mirror for outstanding detection performance and elimination of false alarms
- Micro-controller based electronics with movement speed spectrum analysis
- Installation height 2.4m to 8m (8ft to 26ft)
- Optional pet immunity
- PIR sensitivity setting
- Environmental immunity
- Fully sealed sensor chamber
- Maximum RFI & EMI immunity
- Fluorescent light stability

MR-CLG
MIRROR OPTICS 90° WIDE ANGLE DETECTION PATTERN
TOP VIEW

10m (32.8')

5m (16.4')

0m (0')

5m (16.4')

10m (32.8')

SIDE VIEW

2.4m (8')

5m (16.4')   10m (32.8')   15m (49')

GBD & SRPG

VIBRATION AND ACOUSTIC SENSORS

GBD-II/GBD PLUS

- Shock and/or breakage selectable
- Analyzes two frequencies
- Unique signal analysis ignores environmental disturbances
- Memory LED
- ASIC based electronics
- Sensitivity adjustments
- Ceiling or wall mount
- Operates in temperatures of
  -20° C to 50° C (-4° F to 122° F)

VIB-2000 SHOCK DETECTOR

- High quality digital shock sensor for maximum perimeter protection
- Vibration detection type
- Unique sensitivity and signal processing award for best detection performance
- False alarm immunity
- EN 50131 Grade 2 Compliant

The SRPG-II is a professional passive infrared & glass break detector combining functions of SRP-600 and GBD . The detection of both shock and glass break signals creates a "false alarm free" glass break detector.
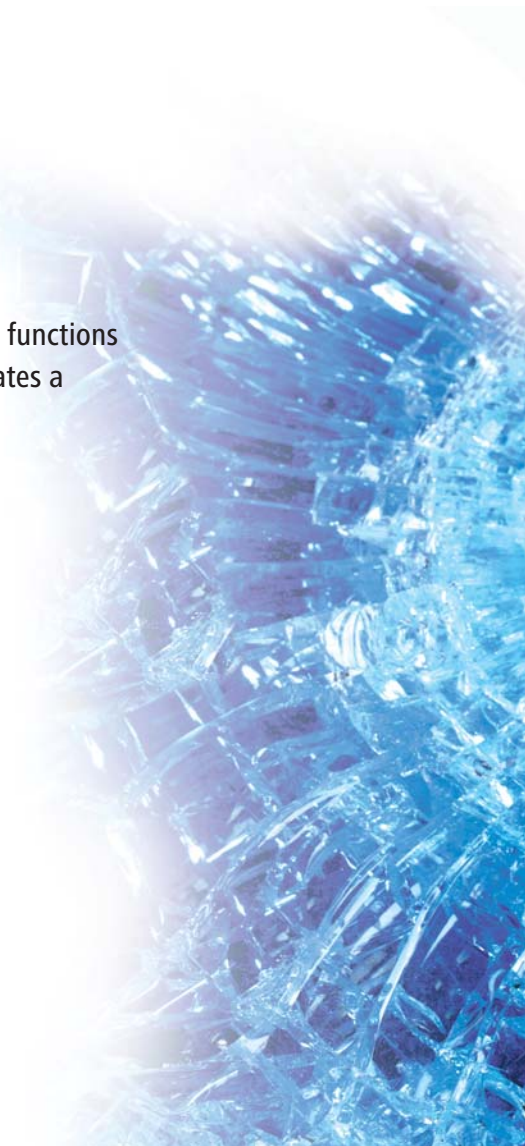The SRPG-II does not need to be attached to the window.
The unit features separate outputs for each technology for alarm verification.

SRPG-II

- Two detectors in one
- Dual element pyrosensor
- Hard shell spherical lens
- Diffractive mirror for creep zones
- Shock and breakage detection with separate sensitivity adjustments allowing the protection of several windows with one detector
- ASIC based electronics
- 2 separate relays for glass break and PIR

SRP/SRX

PIR & DUAL TECHNOLOGY DETECTORS

SRP-100/300

- Unique hard shell spherical lenses with look down zones
- ASIC based electronics in SRP-300
- Sensitivity adjustment
- 18 m x 18 m (60' x 60') wide angle lens coverage
- Ideal for residential applications

SRP-PLUS

- ASIC based electronics
- Super compact design
- 15x15 m (50'x50') wide angle coverage
- High RFI and EMI immunity
- Ideal for residential applications

SRP-600/700

- Unique hard shell spherical lenses with look down zones
- ASIC based electronics
- Sensitivity adjustment
- Visible light filter for higher immunity to white light
- High RFI and EMI immunity
- 18 m x 18 m (60' x 60') wide angle coverage
- Quad element PYRO in SRP-700
- Optional black lenses with LP filter for industrial applications

SRX-1000 / SRDT-15 / SRX 2000 AM

- ASIC based electronics
- Unique hard shell spherical lenses with look down zones
- PIR and Microwave detection sensor
- Microwave sensitivity adjustment
- PIR sensitivity adjustment
- Digital microwave signal processing
- And / Or mode
- Microwave frequency
  SRX-1000: 10.525, 10.687, 9.9 Ghz
  SRDT-15: 2.45 Ghz
- Anti-masking in SRX 2000 AM

BS

WIRED AND WIRELESS OUTDOOR SOUNDERS

The BS Series of external warning devices offers an outstanding range of features for every professional Installation.

[NEW]

BS-NEPTUNE
NEW OUTDOOR SOUNDER

The BS Neptune is a cost effective single piezo outdoor sounder with Xenon Lamp.
The Neptune features a slim design and can be easily customized with housing colors and optional screen printing.

- Attractive slim shape
- Piezo Sounder
- Built-in strobe warning xenon lamp
- Low current consumption
- User friendly installation
- Dimensions (HxWxD):
  317 x 209 x 60 mm (12.5" x 8.2" x 2.4")

BS-1
WIRED OUTDOOR SOUNDER

The BS-1 Series provides exceptional reliability, tamper protection and steel inner cover assembly.
High end wired models include stainless steel inner cover and Xenon Lamp.

- Innovative and Compact Design
- Self contained sounder and strobe unit
- 120 dB output level
- Low power consumption
- Frequency : 0.5 to 3 Khz
- High grade ABS & polycarbonate housing
- Cover and wall tamper protection
- Dimensions (HxWxD):
  280 x 195 x 100 mm (11" x 7.6" x 4")

BS-3
WIRELESS OUTDOOR SOUNDER

The BS-3 outdoor siren is a stand alone battery powered, one way FSK modulated wireless unit. It can be operated by any control panel with a dry contact output.

- Transmitter module Kit
- Siren module with double conversion wireless receiver
- RSSI Monitoring
- Full supervision
- Low battery indicator
- Cover and wall tamper protection
- No external power supply required
- Dimensions (HxWxD):
  280 x 195 x 100 mm (11" x 7.6" x 4")

MRX
PLATINUM

TRIPLE TECHNOLOGY MIRROR OPTICS SENSORS

The "MRX Platinum Series" offers a unique combination of varifocal mirrors, ASIC based electronics and durable enclosures for stable performance and reliability in various outdoor high security and CCTV applications.

The "MRX Platinum Series" includes unique triple technology sensors, combining twin dual element Pyro sensors and microwave technology for ultimate stability in harsh environment applications.
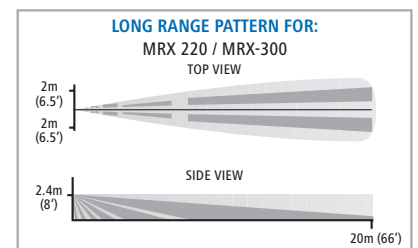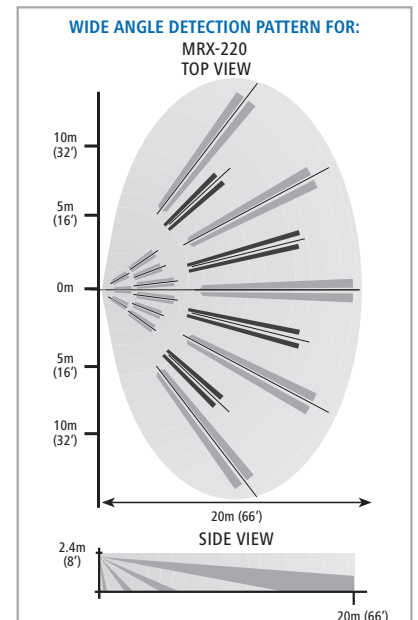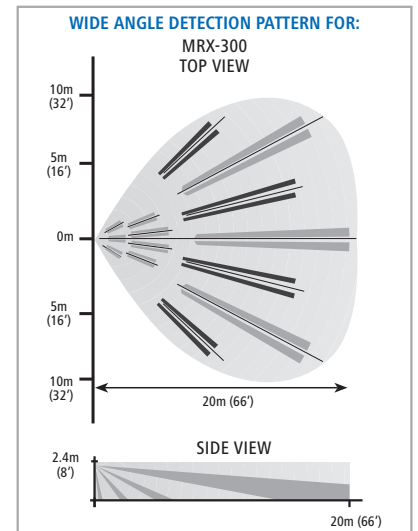
MRX-300

SPECIAL "TRIPLE TECHNOLOGY" OUTDOOR DETECTOR FOR EXTREME OUTDOOR CONDITIONS

- Industrial grade polycarbonate housing and bracket for heavy duty installations
- Twin Dual Element PIR & MicroWave Sensor
- Tamper resistant bracket
- Dual axis tilt sensor for full antivandalism protection
- IP65 Compliant
- ASIC based electronics for ultimate performance and stability
- Greatest immunity against visible light and EMI sources
- Up to 20 m (66') detection range
- Totally hidden wiring
- Exceptionally easy installation by simply tilting and locking the unit to the alignment requirements

MRX-220

UNIQUE "TRIPLE TECHNOLOGY" OUTDOOR DETECTOR

- Powerful Twin Dual Element PIR detector with microwave for outstanding detection speed and false alarm immunity
- Sealed and durable housing for residential and commercial applications
- IP65 Compliant
- Increased immunity against visible light and RFI/EMI sources
- Up to 20 m (66') detection range
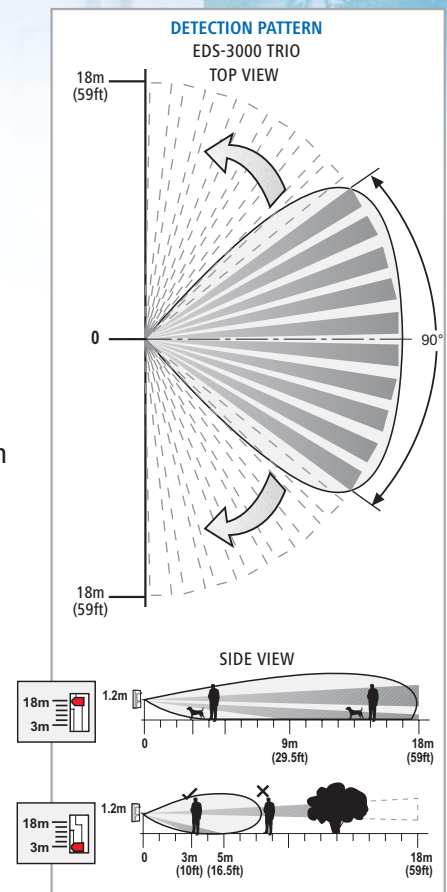- ASIC based electronics for ultimate performance and stability

WIDE ANGLE DETECTION PATTERN FOR:
MRX-300
TOP VIEW

10m (32')
5m (16')
0m
5m (16')
10m (32')
20m (66')

SIDE VIEW
2.4m (8')
20m (66')

WIDE ANGLE DETECTION PATTERN FOR:
MRX-220
TOP VIEW

10m (32')
5m (16')
0m
5m (16')
10m (32')
20m (66')

SIDE VIEW
2.4m (8')
20m (66')

LONG RANGE PATTERN FOR:
MRX 220 / MRX-300
TOP VIEW

2m (6.5')
2m (6.5')

SIDE VIEW
2.4m (8')
20m (66')

EDS™

EXTERNAL DETECTION SENSORS

EDS-2000 DUO

QUAD PIR AND MICROWAVE K-BAND OUTDOOR SENSOR

- Up to 55 kg (120 lb) Pet immunity
- Quad Element Pyro sensor and K-Band 24 Ghz microwave (optional X-Band)
- Outstanding white light & RFI immunity
- Form A / Form C
- IP 65 Compliant
- 14m X 18m (46 ft X 60 ft) WA detection
- range at 1.20m (3.9 ft) installation height
- Dimensions (HxWxD): 162 x 70 x 69 mm (6.3" x 2.8" x 2.7")

DETECTION PATTERN
EDS-2000 DUO
TOP VIEW

10.5m (34.5ft)

90°

0

10.5m (34.5ft)

SIDE VIEW

2.4m (8.7ft)

15m (50ft)

EDS-3000 TRIO

DOUBLE QUAD PIR AND MW OUTDOOR SENSOR

- PIR & Microwave detection
- MW - K-band or X-band
- Form A / Form C
- Coverage detection pattern of 90° adjustable within 180°
- Heavy duty polycarbonate housing
- Sealed electronics and optics
- Automatic temperature compensation
- User selectable sensitivity levels
- Adjustable time relay output
- Superior filtering against sun and white light
- Outstanding RFI immunity
- Extensive test features
- User friendly installation
- IP65 compliant
- Dimensions (HxWxD): 200 x 81 x 90 mm (7.8" x 3.2" x 3.5")

DETECTION PATTERN
EDS-3000 TRIO
TOP VIEW

18m (59ft)

0

90°

18m (59ft)

SIDE VIEW

18m
3m

1.2m

0

9m (29.5ft)

18m (59ft)

18m
3m

1.2m

0

3m (10ft)

5m (16.5ft)

18m (59ft)

EDS™

EDS-4000 QUATTRO
OUTDOOR DIGITAL PIR DETECTOR WITH ANTI-MASKING

EDS-4000 Quattro is the latest detector from Crow, designed especially for outdoor installations and harsh environmental conditions.
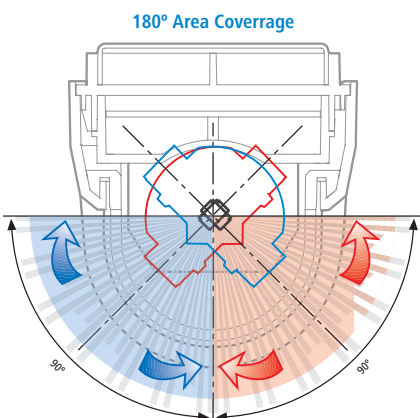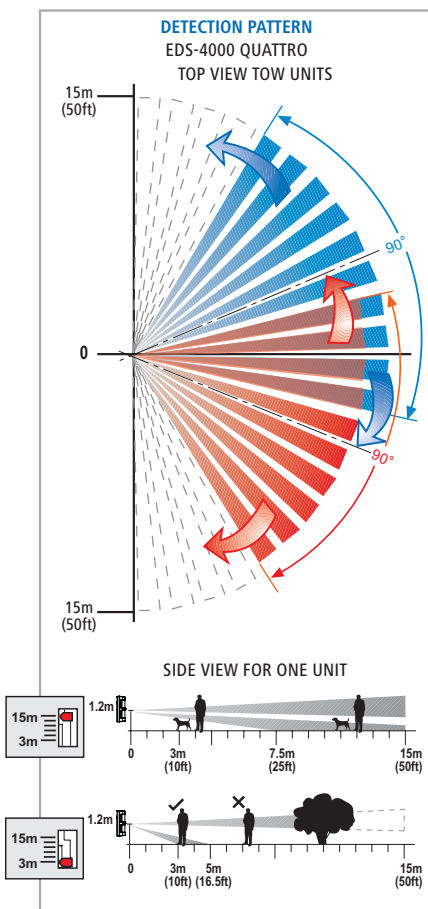
EDS-4000 Quattro features a combination of two Double & Dual PIR detection units and an advanced digital signal processing.

EDS-4000 Quattro easily fits into any outdoor installation location with its detection units adjustable to cover separate areas up to 180º.

It offers outstanding catch performance and freedom from false alarms by excelling in overcoming the disturbances caused by an unstable outdoor environment.

- Advanced digital processing and optical anti-masking for accurate intruder detection
- Useful for balconies, backyards, parking areas, garages, high security outdoor surroundings, warehouses and many more…
- Water, snow, rain, dust , wind and insect resistant.
- Separate 90º coverage patterns with individual relay outputs for alarm verification
- Heavy duty polycarbonate housing and sealed electronics
- Automatic temperature compensation
- User selectable sensitivity levels

- Adjustable time relay output
- Anti-Masking
- Superior filtering against sun and white light
- Extensive test features
- User friendly installation
- Grade 3 compliant
- IP65 compliant
- Dimensions (HxWxD):
  270 x 80 x 92 mm (10.6" x 3.1" x 3.6")

DETECTION PATTERN
EDS-4000 QUATTRO
TOP VIEW TOW UNITS

15m (50ft)

90°

0

90°

15m (50ft)

SIDE VIEW FOR ONE UNIT

15m
3m

1.2m

0 | 3m (10ft) | 7.5m (25ft) | 15m (50ft)

15m
3m

1.2m

0 | 3m (10ft) | 5m (16.5ft) | 15m (50ft)

180º Area Coverrage

90°

90°

CSB
INTELLIGENT OUTDOOR MICROWAVE BARRIERS

CSB 200D

NEW DIGILON™ CSB MICROWAVE BARRIERS WITH ADVANCED DIGITAL
SIGNAL ANALYSIS FOR RANGES OF UP TO 200M (660 FT).

Digilon technology is based on Crow's microprocessor logic. The signal analysis provides a very high performance level and produces virtually no false alarm activations including those caused by adverse weather, interference or environmental changes.
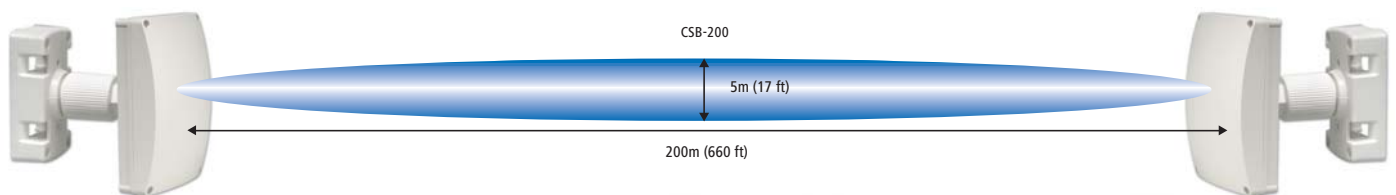
The CSB 2000 Digilon consists of separate transmitter and receiver units. Mounted facing each other, up to the maximum permitted range, they create a volumetric barrier of protection against intrusion.

The CSB2000 Digilon is user friendly and features calibration free technology for improved accuracy and speed of installation. The Crow microcontroller makes all the necessary decisions keeping installer programming to a minimum.

The CSB 2000 Digilon is the ideal choice for protecting high risk sites such as Power Stations, Prisons, Military installations, High risk industrial areas etc etc.

CSB 200D DIGILON™

- Detection range of up to 200m (660 ft)
- Operating temperature -50°C to +65°C (-122°F to +149°F)
- Weather and attack proof housings
- High RFI & EMI immunity
- IP 65 compliant
- Power failure protection and backup
- Extra reliability
- Easy calibration and installation
- Multi-level sensitivity adjustment
- Protection of high security areas
- Special installation mounting poles available

CSB-200

5m (17 ft)

200m (660 ft)

ACCESS CONTROL SOLUTIONS

STAND ALONE CONTROLLERS

SC-103 CONTROLLER

- 40 Users Data base
- Outdoor proof
- Quick installation
- User friendly operation
- RTE optional input
- Door contact optional input

SC-104 ANTI VANDAL CONTROLLER

- Anti-vandal metal case
- 40 Users Data base
- For harsh environment
- Quick installation
- User friendly operation
- RTE optional input
- Door contact optional input

SC-103

SC-104

SC-106 CONTROLLER WITH KEYPAD

- 512 Users data base
- PIN code or proximity card entry
- Quick installation
- User friendly operation
- RTE optional input
- Additional reader installation option
- Alarm output
- Door contact optional input

SC-106

SW-7 FINGERPRINT CONTROLLER

- High speed and accuracy recognition
- RS 485/RS232/Ethernt/Stand Alone or Wiegand 26 connection protocols
- 500/1000 users capacity
- FP & Pin Code

SW-7

ACCESS CONTROL SYSTEMS & READERS

ACNET PRO
ON LINE ACCESS CONTROL
WITH "AMADEUS LIGHT" SOFTWARE CAPABILITIES

- Up to 8 ACNET PRO in one network
- One or Two door support
- 2 card readers of any technology
- Real Time Clock (RTC)
- 4 programmable relays
- 11 Programmable alarm inputs
- Up to 2000 cardholders supported
- Serial port (RS232 or RS485) for communication with Printer or PC
- Advanced communication VIA Ethernet / TCP-IP, Modem and more...
- Windows 2000 / XP, Single or multi-user
- On line system

PR 106 READER

PR 103 READER

ACNET 200
OFF LINE NETWORK ACCESS CONTROL SYSTEM

- Reliable and easy to install mid range system
- Smart "local reflex" option for event indication
- Fully compatible with any Wiegand reader
- Up to 32 units in one network
- One or Two door access control system
- 2 card readers of any technology
- Real Time Clock
- 4 programmable relays
- 11 Programmable alarm inputs
- Up to 4000 cardholders
- Serial port (RS232 or RS485) for communication with Printer or PC

PROXIMITY CARDS AND TAGS
The AcTec readers support AcTec key-tags, AcTec proximity cards or other compatible cards and ID's.

CROW

This product catalog contains bullet formatted information on our product lines.
For further information please contact us at sales@crow.co.il
Information is also available on our website.

Specifications are subject to change without prior notice.

CROW DESIGN I P/N 7401009-A

www.thecrowgroup.com