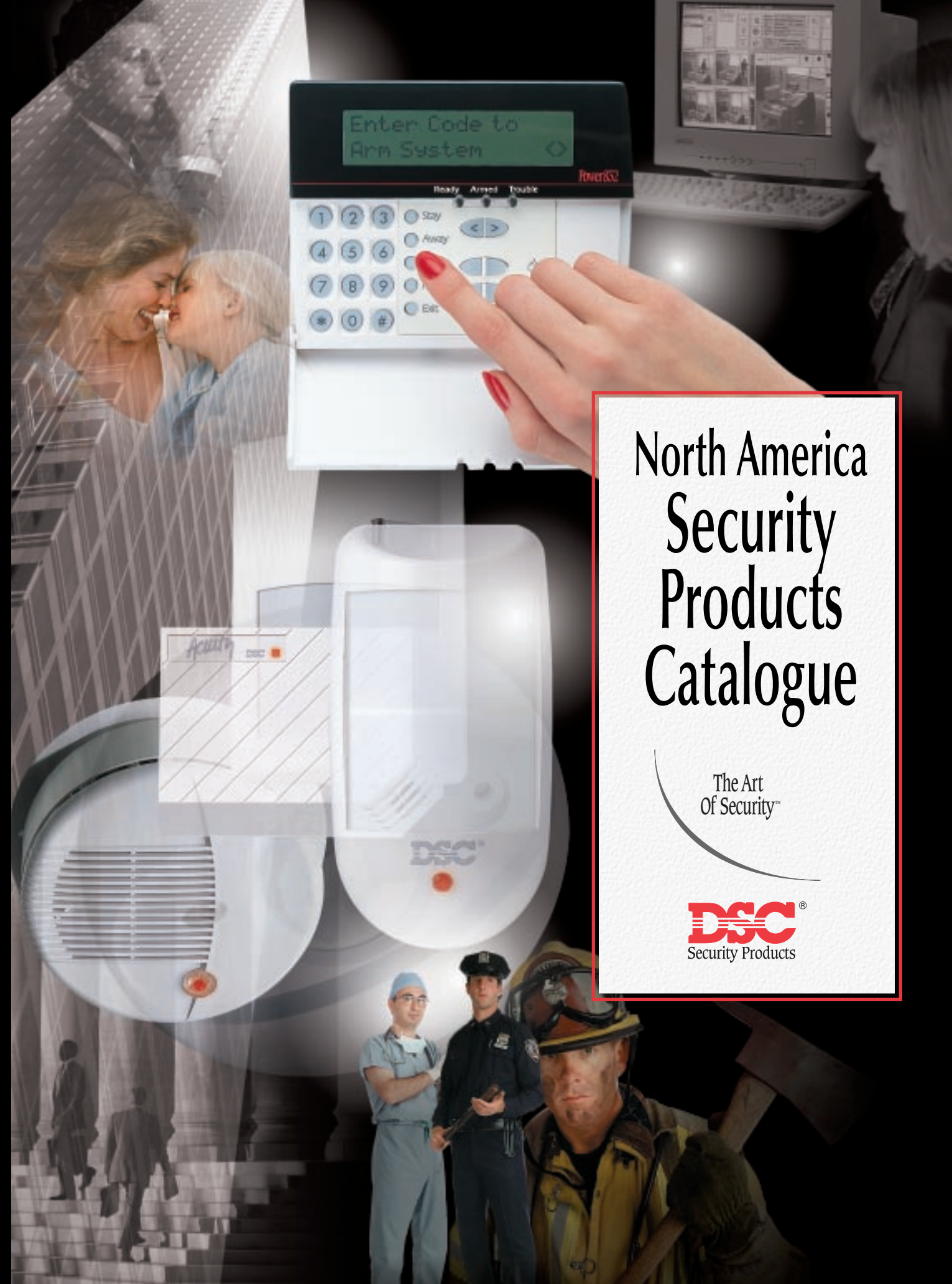**Distributed By:**

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An ISO 9001 Registered Company

North America
Security
Products
Catalogue

The Art
Of Security™

DSC®
Security Products

DSC
GROUP OF COMPANIES

The DSC Group of Companies is recognized as a leading manufacturer of intrusion alarm systems and detection devices worldwide. DSC has a full range of security products including intrusion alarms, alarm communications, fire alarms, home automation, video surveillance/transmission, access control, and long range radio. The DSC Group brings a singular dedication to the full spectrum of commercial and residential security needs. This dedication is expressed through the establishment of worldwide leadership in technology, manufacturing, and distribution. We are able to build upon this foundation with our size, expertise support, innovation, and unique vision.

Already recognized for product excellence by listing agencies, security dealers, distributors and millions of satisfied consumers, the DSC Group of Companies has the added recognition of ISO 9001 certification for its main engineering and manufacturing facility. The ISO 9001 rating represents an internationally recognized benchmark to assure our customers of true product quality and is a key part of DSC's commitment to market its products worldwide.

DSC Security Products
A MEMBER OF THE DSC GROUP

Digital Security Controls Ltd. stands as the premier manufacturer of INTRUSION ALARM SYSTEMS and DETECTION DEVICES. Behind that success is an unwavering commitment to continually bring new standards of performance, reliability and value to the professional security installer. At the forefront of wireless technology, integrated systems and false alarm prevention, Digital Security Controls Ltd. personifies "The Art of Security".

SG SECURITY COMMUNICATIONS
A MEMBER OF THE DSC GROUP

Internationally recognized as the manufacturer of choice for DIGITAL RECEIVERS, SG Security Communications is now introducing a new commitment to serve a wider range of communication needs across the security industry. From digital to video transmission, from telco to radio telemetry, SG Security Communications is redefining security communications.

KANTECH
MCS **in out** ACCESS CONTROL
A MEMBER OF THE DSC GROUP
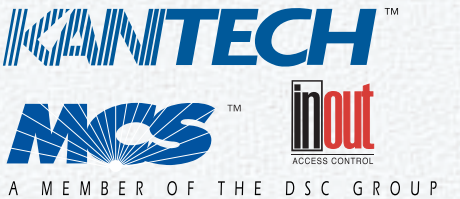
Arguably the most respected and rapidly growing manufacturer serving the ACCESS CONTROL MARKET, Kantech's reputation is built upon their success in delivering more features, more innovation, and - ultimately - much higher product value to a wide range of access control users.

SG WIRELESS COMMUNICATIONS
A MEMBER OF THE DSC GROUP

As the wireless alarm signal transmission experts, SG Wireless Communications provides "state of the art" intelligent radio networks and services that allow the alarm professional to make wireless technology accessible to all of their customers. SG wireless communications networks, related equipment and services are manufactured to be fully compatible with DSC control panels.

DELTAVISION CCTV Systems
A MEMBER OF THE DSC GROUP

As the leader in innovative CCTV Products, Deltavision designs and manufactures high performance CCTV equipment that is a direct reflection of their continual pursuit of total quality, innovation and value.

BENTEL SECURITY
A MEMBER OF THE DSC GROUP

Recognized as a leading manufacturer of fire and security equipment, Bentel Security boasts national and international approval and quality marks that guarantee both the functionality and the high quality of their products, making Bentel a valuable addition to the DSC Group of Companies.

New
Classic™
PC580/1555

4 - 32 Zone Hybrid Wireless Security Systems

Remote Service

The offsite upload and download service capabilities of the PC580 and PC1555 mean that, should an equipment problem ever occur, it can frequently be identified and diagnosed over the phone - often eliminating the need for a service call altogether.

False Alarm Prevention

At DSC, we don't like false alarms any more than you do, so the PC580 and PC1555 have over a dozen sophisticated SIA false alarm prevention features built into them.

PC580
4 - 32 Zone Control Panel

- Up to 32 zones using any combination of zones available from:
  - 4 hardwired zones on control panel
  - 8 keypad zone inputs (1 per keypad)
  - 32 wireless zones (with PC5132 module)

- Local PCLINK™ and remote upload/download capability
  - PCLINK allows direct connect of PC to alarm panel
  - program system using DLS software
  - view status and trouble conditions
  - view 128 event buffer
- 700mA supervised bell output

PC1555
6 - 32 Zone Control Panel

- Up to 32 zones using any combination of zones available from:
  - 6 hardwired zones on control panel
  - 8 keypad zone inputs (1 per keypad)
  - 32 wireless zones (with PC5132 module)

- 37 access codes
- 12 keypads...up to 8 hardwire keypads *(any mix of LCD and/or LED)* and 4 wireless keypads
- 128 event buffer...time and date stamped
- 2 programmable voltage outputs:
  - 1 high current PGM...300mA @ 12VDC may also be used for 2-wire smoke
  - 1 low current PGM...50mA

Complete life safety and security systems offering the latest advances in hybrid wireless/hardwired burglary and fire protection!

Hybrid Wireless Expansion

PC5132 Wireless Module

Compatible With All DSC Wireless Controls and Detectors

Wireless Controls:
- WLS908 Wireless Panic Pendant*
- WLS909 Wireless Key
- WLS910 Wireless Keypad

Wireless Detectors*:
- WLS904 PIR Motion Detector
- WLS906 Photoelectric Smoke Alarm
- WLS907 Universal Transmitter

- Capacity ... 32 wireless zones
  - ... 16 WLS909 Wireless Keys
  - ... 4 WLS910 Wireless Keypads (in addition to hardwired keypads)
- All wireless detectors are fully supervised for communication integrity
- 900 MHz True Spread Spectrum Technology
- Easy sensor enroll process

*each occupies 1 wireless zone

Advanced Communications

Digital
- All major formats including SIA and Contact ID

DVACS
- Optional function of PC5400 module

Wireless Communications
- Fully compatible with Sur-Gard's Links1000™ and SKYROUTE™ cellemetry transmitter

Event-Initiated Paging
- Built-in pager format

Long Range Radio
- Fully compatible with the Links2150™ & Links2450™ radio transmitters

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PC1555RKZ
8 Zone LED Keypad

- Zone input...connect detector to keypad to create a keypad zone
- 5 programmable keypad functions
- LED indicators...Ready, Armed, System
- 4 keypad-activated alarms...Panic, Auxiliary, Fire, and Duress
- Backlit display...with Backlighting Boost to provide extra high key lighting when any key is pressed
- Piezo buzzer...provides audible feedback for correct key entries, pre-alert, and system trouble status

PC5508Z
8 Zone LED Keypad

- Zone input...connect detector to keypad to create a keypad zone
- 5 programmable function keys
- LED indicators...Ready, Armed, Trouble, Memory, Bypass, Fire, Program
- 4 keypad-activated alarms...Panic, Auxiliary, Fire, and Duress
- Backlit display...with Backlighting Boost for low light conditions
- Piezo buzzer...provides audible feedback for correct key entries, pre-alert, and system trouble status

LCD5500Z
Dual-Language Message Keypad

SYSTEM DISARMED
WELCOME

- Display zone, system status, trouble conditions, event buffer, and system instructions
- Large backlit, two line 32 character display with Backlighting Boost for low light conditions
- Dual languages *(any 2 from Eng. Fr. or Span.)*... simple key entry to toggle between languages while viewing keypad
- Zone input...connect detector to keypad to create a keypad zone
- 5 programmable function keys

KEYBUS
Data Network

- 4 conductor, standard, non-shielded, station wire communications bus for connection of hardwired keypads, printer interface module and wireless interface module
- connect modules up to 1,000 ft (305 m) from main control panel

PC5400
RS-232 Printer/DVACS* Interface

- Use as DVACS communicator or printer interface (not both)
- Print time and date stamped report of: alarms, openings/closings, and diagnostic messages
- Supports any 300, 1200, 2400, 4800 bps serial printer

*DVACS is a trademark of Electro Arts Ltd.

PC Classic™

7 to 21 Zone Fixed Size Hardwired Systems

From basic security with advanced features including Escort™ voice prompting and Downlook® still frame video transmission, economical Classic systems meet a wide range of customer requirements

The Art of Security™

DSC

PC500
7 Zone Control With Keypad - no digital communicator-

- 4 programmable zones
- 3 keypad zones
- 4 user codes
- Up to 3 keypads
- Keyswitch compatible
- 2 PGM outputs
- Door chime, quick arming
- Optional SL-40 keypad
- With STD keypad - PC500RK

PC550
7 Zone Control Communicator With Keypad

- 4 programmable zones
- 3 keypad zones
- 4 user codes
- Up to 3 keypads
- Keyswitch compatible
- 1 PGM output
- Door chime, quick arming
- Upload/download
- Optional SL-40 keypad
- With STD keypad - PC500RK

PC1550
9 Zone Control Communicator With Keypad

- 6 prog. zones • 3 keypad zones
- Up to 3 keypads
- 6 user codes
- One-time use code, quick arming, quick exit, auto-arming
- Split reporting
- Optional Escort Voice Prompt
- Upload/download
- Opt. SL-60 & LED 615 keypads
- Optional LCD 600 keypad
- With STD keypad - PC1500RK

PC1575
10 Zone Control Communicator With Keypad

- 6 programmable zones
- 3 keypad zones
- 1 smoke or auxiliary zone
- 7 user codes
- Up to 8 keypads
- 2 PGM outputs
- Upload/download
- Optional Downlook, Escort 5580, DVACS, and printer
- Optional LCD 5500 keypad
- Optional PC5506 and SL-75 LED keypads
- With STD keypad - PC1575RK

PC2525
11 Zone Control Communicator With Keypad

- 8 programmable zones
- 3 keypad zones
- 8 user codes
- Up to 3 keypads
- One-time use code
- Quick arming, • Quick exit
- Auto-arming • Split reporting
- Upload/download
- Optional Escort Voice Prompt
- Optional LCD 600 keypad
- Optional LED 625 and SL-80 LED keypads
- With STD keypad - PC2550RK

PC2550
13 Zone Control Communicator With Keypad

- 8 programmable zones
- 3 keypad zones
- Auxiliary. input zone
- Supervised fire zone
- 16 user codes
- Up to 3 keypads
- Upload/download
- 2 partitions
- Optional Escort Voice Prompt
- Optional LCD 600 keypad
- Optional LED 625 and SL-80 LED keypads
- With STD keypad - PC2550RK

PC3000
21 Zone Control Communicator With Keypad

- 16 programmable zones
- 3 keypad zones
- Aux. Input zone
- Supervised fire zone
- 16 user codes
- Up to 3 keypads
- Upload/download
- 2 partitions
- Optional Escort Voice Prompt
- Optional LCD 600 keypad
- Optional LED 630 keypad
- With STD keypad - PC3000RK

PC1150
7 Zone Control Communicator With Keypad

- 4 programmable zones
- 3 keypad zones
- 4 user codes
- Auto-arming
- Split reporting
- Upload/download
- Built-in keypad

Escort™
Voice Prompt Module

- Turns any Touch-Tone* phone into a fully functional keypad
- Choice of language – English, French, or Spanish
- Compatible with PC1550, PC2525, PC2550, & PC3000

Escort™ 5580
Voice Prompt Module with Automation Control for PC1575

- Turns any Touch-Tone* phone into a fully functional keypad
- Choice of language – English, French, or Spanish
- Built-in power line interface for up to 32 X-10 control devices

Downlook®
Still Frame Video Transmission for PC1575

- Video capture, compression & transmission from up to 4 video sources for alarm verification
- Requires Sur-Gard DLM-4 Video Transmission Module and DLM-7 Camera Expansion Module (see page 26)

* Touch-Tone is a trademark of Stentor Resource Inc.

Optional Keypads

LCD Multi-Language Message Keypads

LCD600
Optional Keypad For PC1550, PC2525, PC2550 & PC3000

LCD5500
Optional Keypad For PC1575

- Large backlit, two line 32 character display
- Adjustable display contrast for easy viewing in low light conditions
- Plain language display of system conditions and messages
- Plain language instructions for system operation
- Change language with a simple key command
- Access to Event Buffer, Time & Date Display on LCD5500

LED Keypads

PC5506
Optional Keypad For PC1575

- LED615 – Optional Keypad for PC1550
- LED625 – Optional Keypad for PC2525 & PC2550
- LED630 – Optional Keypad for PC3000

- LED indication of zone, trouble and alarm status
- Backlit keys and display for easy viewing in low light conditions
- Attractive keypad door protects and conceals keys

Slim-Line LED Keypads
SL-40, 60/75, 80

- New slim-line semi-flush keypad
- Backlit LED zone status indication
- Colour LED alarm, trouble and system status
- Adjustable keypad sounder & backlighting
- Attractive styling

- SL-40 for PC500 & PC550
- SL-60 for PC1550
- SL-75 for PC1575
- SL-80 for PC2525, & PC2550
- SL-40, 60, 75, 80 With backplate/zone label (shown for SL-40)

Power832®

8 to 32 Zone Expandable Hybrid Security System

...packed with options that make Power832 the most innovative security system on the market today!

...remarkable system has the power to protect you...

Audio Station and Keypad mounted on a common backplate

PC5010/5015 Video
8 - 32 Zone Control Panel

- 8 programmable zones expandable to 32 zones hardwired or wireless
- Supervised bell output
- One 2-wire smoke zone
- Up to 14 programmable outputs:
  - 1 high current PGM (300mA)
  - 1 low current PGM (50mA)
- 2 partitions
- 37 access code: 32 user codes, 2 partition master, 1 system master code, 2 hold-up codes
- Upload/download
- 128 event buffer, time and date stamped

PC5010 - Alarm only
PC5015* - Alarm plus Downlook® video control capability

PC5508Z/16Z/32Z
8, 16 or 32 Zone LED Keypads

- Backlit keys and full annunciation of system status
- 5 programmable function keys with 18 options
- 4 keypad activated alarms (Panic, Auxiliary, Fire, and Duress)
- Keypads individually supervised for tamper
- Can be assigned as "global" or "partition" keypad
- Connect up to 8 keypads, combination of LED and/or LCD

PC5508 - 8 zone LED Keypad
PC5516 - 16 zone LED Keypad
PC5532 - 32 zone LED Keypad

LCD5500Z
Multi-Language Message Keypad

- Large backlit, two line 32 character display
- 5 programmable function keys with 18 options
- Connect up to 8 keypads, combination LCD and/or LED
- Plain language operation
- Keypad can be assigned as "global" or "partition"

Output Modules
PC5204 - Power Output Module

- Provides 1 Amp @ 12VDC aux power
- Includes 4 fully programmable high current switched outputs rated at 1 Amp @ 12VDC
- Output-1 also supervised bell output

PC5208 Voltage Output Module

- Provides 8 transistor switched outputs rated at 50mA @ 12VDC
- 24 programmable output options

Zone Expansion
PC5108 Alarm/5108L Video Zone Expanders

- Expand system in 8 zone steps
- Full NC/EOL/DEOL supervision
- PC5108L is c/w 8 camera inputs for Downlook®

PC5132
Wireless Module

Compatible With All DSC Wireless Controls and Detectors

Wireless Controls:
- WLS908 Wireless Panic Pendant*
- WLS909 Wireless Key
- WLS910 Wireless Keypad

Wireless Detectors*:
- WLS904 PIR Motion Detector
- WLS906 Photoelectric Smoke Alarm
- WLS907 Universal Transmitter

*each occupies one wireless zone

- Supports 32 wireless zones, 16 WLS909 Wireless Keys, and 4 WLS910 Wireless Keypads
- All wireless detectors are fully supervised for communication integrity
- 900 MHz True Spread Spectrum Technology
- Easy sensor enroll process
- Wireless devices use standard AA/AAA alkaline batteries

PC5400
RS 232 Printer/DVACS Interface

- Use as DVACS communications or printer interface
- Print time and date stamped report of: alarms, openings/closings, diagnostic messages
- Supports any 300, 1200, 2400, 4800 BPS serial printer

Integrated HVAC Control
EMS-100
Thermostat

- Multi-stage auto-changeover thermostat – 2 heat/2 cool
- Requires Escort PC5580TC module
- System LCD keypads display interior/exterior temperatures
- Control building heating/cooling from system keypads
- Control building heating/cooling from any local or remote touchtone telephone
- Schedule heating/cooling via Power832 Escort scheduling
- Interior/exterior sensors available
- Interior temperature sensor averaging for control

Integrated Automation
Escort™ 5580
Telephone Access Security & Building Automation Control Module

- Turns any touch-tone phone into a keypad with most standard functions
- Module contains extensive library of voice prompts
- Choice of language – English, French, or Spanish
- Built-in Power Line interface for up to 32 X-10 control devices
- Program up to 16 schedules and 8 control modes

Integrated CCTV*
Downlook®
On-Site Sequential Switching & Still Frame Video Transmission

- Requires PC5015 Control Panel & PC5108L Video Zone Expander
- All necessary programming software built in to PC5015 control panel
- PC5108L provides 8 video inputs, one video output, & 8 alarm zones
- May be used standalone as an on-site video switcher
- Connect to Sur-Gard DLM-4L Video Transmitter Module for transmission to monitoring station (see page 26)

Integrated Audio
Intercom & Central Station Audio Monitoring

Local Intercom
- Select Zone, listen/talk, extend on-line time, hang up
- Use up to 7 intercom stations
- Fully featured with page/answer, do not disturb, nursery listen-in, broadcast, and door bell function

Central Station Audio Monitoring
- operates via programmable control tones from central station

PC5928 - Audio Interface Module for intercom and Central Station Audio Monitoring
PC5921 - Interior Station
PC5921EXT - Exterior Station
PC5921EXT-R - Exterior Station with door chime relay
PC5904 - Two Way Listen-In Station

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832 Hand-held Demo™

- Battery operated demo for Power832 LCD keypad
- Demonstrates stay arm, away arm, and disarming system

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832 Accredited Technician Program

- 3 Hr video library & companion workbook
- Designed to make experts of installers and salespeople

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832 Laptop Demo™

- The first demonstrator truly designed for the dealer
- A hands-on demo of all system features in an attractive, easy to carry, dealer and customer friendly package

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MAXSYS®
Integrated Systems Technology

MAXSYS®

DSC® Security Products

PC4010/4020
Security Control Panels

PC4010
- 8 zone main panel
- Expandable to 64 zones
- 1 addressable loop for up to 56 addressable devices
- 16 LCD keypads/system
- 4 partitions
- 1,000 user codes
- 3,000 event buffer
- 5 account numbers
  3 phone numbers

PC4020
- 16 zone main panel
- Expandable to 128 zones
- 2 addressable loops for up to 112 addressable devices
- 16 LCD keypads/system
- 8 partitions
- 1,000 user codes
- 3,000 event buffer
- 9 account numbers
  3 phone numbers

- 1 supervised bell zone
- PCLINK™ for local upload/download
- Remote upload/download

LCD4500/4501
Plain Language Keypads

- Two line, 32 character display
- Adjustable brightness & contrast
- Backlighting Boost on LCD4501 for low light conditions
- Display zone and system status, trouble conditions, event buffer, and system instructions
- Global or partition operation
- 4 keypad-activated alarms… panic, auxiliary, fire, & duress
- 5 programmable keypad functions
- Separate function keys on LCD4501
- Trouble & Armed LEDs on LCD4500
- Trouble, Armed, & Ready LEDs on LCD4501
- Trouble buzzer
- Tamper versions available

- Supervised digital alarm communicator
- Opt. attack-resistant cabinet
- Space for two 7 AH gel-cell batteries

COMBUS
System Expansion

- Hardwired system expansion is simple and economical using standard, non-shielded, 4 conductor station wire.
- All hardwired system keypads, zone input modules, access control modules, output modules, Escort automation, fire modules, annunciators, etc., are connected to the system via the COMBUS.
- System components may be connected up to 1,000 ft (305 m) from the main control panel.
- Up to four 1,000 ft runs can be used.

PC4632/4664
32 & 64 Zone
Point/Graphic Annunciators

Point or graphic display of zone, partition, and system status c/w:
- Egg-crate backplane for flexible indicator location
- Pre-printed point display transparency
- Clear transparencies (2) for custom graphic printing

PC4632 … 32 indicator capacity c/w:
- 8.5" x 11" (21.6 x 27.9cm) display area
- One PC4216 low power output module - capacity for 2 modules
- 16 LEDs
- PC4032C cabinet, beige

PC4664 … 64 indicator capacity c/w:
- 11" x 17" (27.9 x 43.2cm) display area
- Two PC4216 low power output modules - capacity for 4 modules
- 32 LEDs
- PC4064C cabinet, beige

PC4632FT … opt. flush trim for PC4632
PC4664FT … opt. flush trim for PC4664

Addressable Expansion*

Use 2-wire addressable loops to easily expand to full system zone capacity without the added cost of system expansion modules

(see page 14 for addressable device details)

Compatible With All DSC Addressable Detectors
- AMA-100 Glassbreak Detector
- AMS-220 Series…Photoelectric Smoke Detectors
- AMB-300 PIR Motion Detector
- AMB-500 Ceiling Mount PIR
- AMB-600 Dual Pet Immune PIR
- AMP-700 Series…Contact Modules

Wireless Expansion

PC4164 Wireless Module

Compatible With All DSC Wireless Controls and Detectors
Wireless Controls:
- WLS908 Wireless Panic Pendant[1]
- WLS909 Wireless Key
- WLS910 Wireless Keypad

Wireless Detectors[1]:
- WLS904 PIR Motion Detector
- WLS906 Photoelectric Smoke Alarm
- WLS907 Universal Transmitter

[1]each occupies 1 wireless zone

- Capacity … Wireless zones - PC4010…56
  - PC4020…64
  … 16 WLS909 Wireless Keys
  … 4 WLS910 Wireless Keypads
  (in addition to hardwired keypads)
- All wireless detectors are fully supervised for communication integrity
- 900 MHz True Spread Spectrum Technology
- Easy sensor enroll process

(see page 13 for wireless device details)

PC4108A/4116
8/16 Hardwire Zone Expansion Modules

- PC4108A …. 8 zone input module
- PC4108AT .. 8 zone input module with tamper (use with PC5001CP cabinet)
- PC4116 ….….16 zone input module
- 30 programmable zone types
- All zones programmable as NC, EOL, DEOL
- 250 mA, 12 VDC aux. power for local devices
- Add up to 56 zones on PC4010/CF
- Add up to 112 zones on PC4020/CF

PC4204
Power Supply/Quad Relay Output Module

- Up to 1.0A @ 12VDC power for:
  - COMBUS power - local input devices
  - local output signals
- 4 form 'C' programmable relays - contacts rated for 2A @ 30VDC
- 59 programmable output options
- Supervised for low/disconnected battery, AC power fail, and Aux. supply fault

PC4010 ……… up to 16 modules per system for 64 relays total
PC4020 ……… up to 16 modules per system for 64 relays total

PC4216
16 Low Current Output Module

- 16 programmable output zones
- Outputs rated for 50 mA @ 12 VDC
- 59 programmable output options
- Up to 9 modules/system for 144 total outputs on PC4010/CF and PC4020/CF

PS4350
External Battery Charger

External battery charger c/w:
- PC4055C cabinet, beige
- PS4085 multi-rate charger module
- PT1012 transformer…12 VAC, 160 VA
- Space for 60 AH lead-acid battery

PC4400
RS 232 Printer/DVACS Interface

- Use as DVACS communicator or printer interface
- Print time and date stamped report of: alarms, openings/closings, diagnostic messages
- Supports 300, 1200, 2400, 4800 BPS serial printers

Access Control

PC4820
Two Reader Access Control Module

PC4010/4010CF
- 16 modules/system
- 32 readers total
- 1000 access cards

PC4020/4020CF
- 16 modules/system
- 32 readers total
- 1,000 access cards

- Full standalone operation
- Arm/disarm partitions & postpone auto-arm by access card or access card and code…from outside the protected space
- 3 low current outputs per door
- 4 inputs per door…door contact, request-to-exit input, arm, postpone auto-arm
- 64 access levels
- 99 seven-day schedules
- 4 holiday groups - 730 holidays

- Individual door-unlock schedules
- Program via keypad, or via computer with DLS-2 downloading software
- 1.5A regulated power supply
- Power capacity per door:
  reader - 125 mA max. @ 5 VDC
  or 250 mA max. @ 12 VDC
  lock - 250 mA max. @ 12 VDC
- Auxiliary power -125 mA @ 12 VDC
- Battery required - 12 VDC, 7.0 AH
- Transformer req'd - 16.5 VAC, 40 VA
- Fully supervised

Multiple Reader Technologies

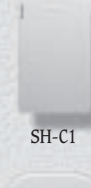**• 26 bit standard Wiegand…*plus***

POL-1

POL-C1CN

SH-VR

SH-2

HID-PR5355KP

SH-C1

SH-K1

Polaris…Mag-Stripe Readers/Cards

POL-1 .... Reader – indoor
POL-1W .... Reader – outdoor
POL-2 .... Reader & keypad – indoor
POL-2W .... Reader & keypad – outdoor
POL-C1CN .... Mag-stripe card

ShadowProx…Proximity Readers/Cards

SH-VR................... Std size reader. – indoor/outdoor
SH-1 .... Slim-line mullion size reader
4" (10cm) range – indoor/outdoor
SH-2 .... Wall-switch size reader
4" (10cm) range – indoor/outdoor
SH-5 .... Reader 16" (40cm) range – indoor
SH-5EXT............... Reader 16" (40cm) range – outdoor
SH-C1 .... Proximity card
SH-K1 .... Proximity keytag

HID…Proximity Readers/Cards

HID-MP5365.......... Slimline reader
4-5" (10-13cm) range – indoor
HID-PR5355 .... Reader 5-9" (13-23cm) range
– indoor/outdoor
HID-PR5355KP.. .... Reader w/keypad 5-9"
(13-23cm) range – indoor/outdoor
HID-C1325KSF ...... Proximity card
HID-C1345KSF ...... Proximity keytag

T.Rex…Infrared Exit Detectors

KT-TREX-XL ...... Complete with piezo buzzer & tamper
KT-TREX-LT .... No piezo, no tamper

MAXSYS®

DSC®
Security Products

■

INTEGRATED SYSTEMS TECHNOLOGY

■

Automation

Escort4580
Voice Prompt Security & Building Automation Control Module

- Turns any touch tone phone into a fully functional keypad with both Global and Partition control
- Module contains extensive library of voice prompts for security and building automation control and status feedback
- Up to 6 words per voice prompt, chosen from a 241 word library
- Built-in Power Line interface for up to 32 X-10 control devices
- Program event activation of X-10 devices using up to 16 schedules

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UL/ULC Listed Fire Systems*

PC4010CF/4020CF
Fire Control Panels

All the security features of the PC4010/4020 plus additional fire features…
- PC4701 Fire Module:
  - … one 2-wire Class B/Style B supervised smoke zone
  - … one Class B/Style B waterflow zone
  - … dual supervised digital alarm communicator outputs
  - … common fire alarm & fire trouble relays, form 'C', 2 A, 30 VDC contacts
- All panel & expansion zones are configurable for: fire, waterflow, or fire supervisory
- 16 VAC, 40 VA transformer

PC4612
12 Zone Fire Annunciator

- point annunciation of…
  - 10 fire zones
  - 2 supervisory zones
  - common zone trouble
  - common bell trouble
  - system trouble
  - AC ON LED

PS4350R
Fire System External Battery Charger

External battery charger c/w:
- PC4055CR cabinet, red
- PS4085 multi-rate charger module
- PT1012 transformer…12 VAC, 160 VA
- Space for 60 AH lead-acid battery

LCD4520/4521
Plain Language Keypads

Identical to the standard security keypads but with…red bezels

PC4702BP
Dual Bell Zone Panel

- 2 alarm notification circuits - rated for 1.8A @ 24 VDC - FWR
- Outputs supervised for opens, shorts, and ground fault
- Self-restoring short circuit protection
- PT1024 transfmr incl…28 VAC, 160 VA
- PC4052CR cabinet, red
- Space for two 4 AH gel-cell batteries

PC4010CF ...... 4 panels/system
for 8 bell output zones total

PC4020CF ...... 4 panels/system
for 8 bell output zones total

PC4204CF
Power Supply/Quad Relay Output Panel

- Up to 550mA @ 12 VDC power for:
  - COMBUS power - local input devices
  - local output signals
- 4 form 'C' programmable relays - contacts rated for 2 A @ 30 VDC
- 59 programmable output options
- Supervised for low/disconnected battery, AC power fail, and aux. supply fault
- PT1016 transfmr. incl…16 VAC, 40 VA
- PC4052CR cabinet, red
- Space for one additional PC4108A module
- Space for two 7 AH gel-cell batteries

PC4010CF...... up to 16 modules per system for 64 relays total

PC4020CF...... up to 16 modules per system for 64 relays total

---

Advanced Communications

Digital

- 4 communications formats… high speed pulse (1400 & 2300 bps), Contact ID, and SIA

DVACS

- Alternate function of PC4400 module

Wireless Communications

- Fully compatible with Sur-Gard's Links1000™ cellular transmitter and SKYROUTE™ cellemetry transmitter

Event-Initiated Paging

- 3 built-in pager formats

Long Range Radio

- Fully compatible with the Links2150™ & Links2450™ radio transmitters

Marquis WIRELESS ™

900MHz Spread Spectrum

MARQUIS™ is a full 900MHz Spread Spectrum wireless system that can be installed in minutes and provide years of reliable, maintenance free service.

WLS900

True Diversity RF Communications:

- Each transmitter has two paths to the controller:
  - #1…direct to controller
  - #2…through sounder to controller
- Only one path has to be open to complete a transmission

CONTROLLER

PATH 1

DETECTOR

PATH 2

SOUNDER
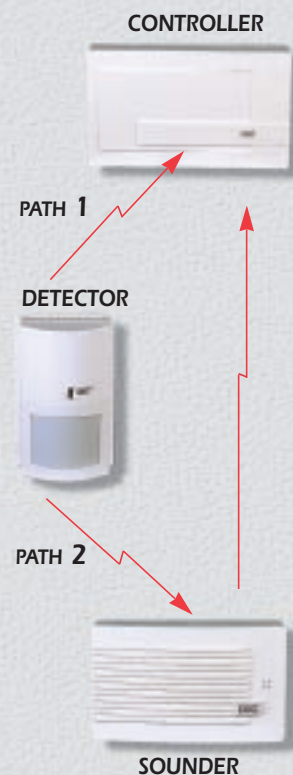
WLS901
System Controller

- 10 zones • 10 user codes
- Built-in digital communicator with telephone jack connections
- Fully supervised for:
  - tamper
  - low battery
  - device fault
  - AC failure
  - telephone line integrity
- AC adapter supplied
- 1.2 AH sealed battery supplied

WLS902
Plain Language Keypad

- Full 2 way communications
- 2 keypads per system (max.)
- Large 32 character display backlit for low light conditions
- 3 emergency keys (F, A, P)
- Module placement test mode reporting
- Fully supervised for:
  - tamper   - low battery
 - device fault
- 4 AA batteries supplied

WLS903
Sounder/Repeater

- Siren and audible annunciator
- 85 dB adjustable siren volume
- Back-up signal repeater between wireless devices and controller
- 2 per system (max.)
- Door chime
- Fully supervised for:
  - tamper   - low battery
  - device fault   - AC failure
- AC adapter supplied
- 4 AA alkaline batteries supplied

Compatible With All DSC Wireless Detectors*

- WLS904 PIR Motion Detector
- WLS906 Photoelectric Smoke Alarm
- WLS907 Universal Transmitter

*each occupies one wireless zone

Reliable Installation & Testing

Good

Fair

Bad
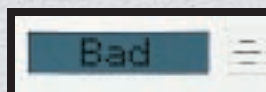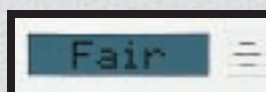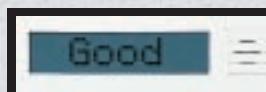
- **module placement test mode**
  - allows installer to carry a keypad to the proposed location for a system module (sounder, keypad, detector) and test communications to the controller before the module is installed. Keypad reports whether proposed location is "good", "fair" or "bad".
- **walk test mode**
  - allows installer or user to test device placement
- **sounder test mode** - tests sounder operation
- **manual dialer test mode**
  - tests dialer communication to monitoring station

Wireless Control

For use with:

New Classic™   Power™   MAXSYS

Hybrid Wireless Security Systems

WLS908
Panic Pendant

- Press 2 buttons for 2 seconds to transmit a panic alarm to the monitoring station
- Water resistant
- Sealed non-replaceable battery

WLS909
Wireless Key

- 4 programmable function buttons of users choice such as STAY arm, AWAY arm, Disarm, Fire, Auxiliary, Panic, Automation functions
- 3 A76 batteries supplied

WLS910
Keypad

- Performs most hardwired keypad functions, incl. entry of access code to arm/disarm system and other functions incl.: STAY arm, AWAY arm, F, P, A, Chime On/Off, System Test, Utility Output, Reset, Quick Exit, Reactivate Home/Away, PGM1 & PGM2 outputs*
- Keys 1-4 are programmable func. keys
- Separate F, A, P, keys
- Supervised for low battery
- 3 AAA batteries (supplied)

900MHz *Spread Spectrum wireless technology is superior for security applications because it provides the proven reliability of multiple frequency signal transmission and the high security of an encoded signal. Spread spectrum also provides more frequent supervisory communications between the control panel and sensor…a critical issue in the protection of lives and property!*

Wireless Detection

WLS904
Passive Infrared Detector

- Proven detector design
- 4 interchangeable lenses
  - wall to wall - corridor
  - curtain   - pet alley
- Lens coverage same as Bravo3 *(pg. 15)*
- High traffic shut-down
- Fully supervised for:
  - tamper   - low battery
  - device fault
- 4 AAA batteries (supplied)

WLS906
Photoelectric Smoke Detector

- Exclusive 90 degree smoke detection pattern
- Automatic self test
- Manual test button
- Loud 85 dB alarm horn
- Fully supervised for:
  - tamper   - low battery
  - device fault   - low sensitivity
- ULC listed S531, UL listed UL217 & UL268
- 6 AA batteries (supplied)

WLS907
Slim-Line Transmitter

- May be used as a magnetic door or window contact or terminal connection for an external contact
- 2 reed switch contacts for ease of placement
- Fully supervised for:
  - tamper   - low battery
  - device fault   - open/close
- 3 AAA batteries (supplied)

Marquis ™

Standalone Wireless Security System

For use with:

New Classic™   Power™   MAXSYS

Hybrid Wireless Security Systems

Addressable Detection

Power & Communications
via
Two-Wire Addressable Multiplex Loop

For use with:

MAXSYS®

AMS100
Acuity Glassbreak Detector

- Exceptional microphone frequency range provides excellent sound capture at low sound levels and distances up to 25 ft (7.6 m)
- *(see Acuity, pg 19 for range table)*
- Detects all common types of framed glass including plate, wired, tempered, and laminated
- Built-in tamper switch
- AFT-100 Glassbreak Tester ensures reliable installation and response

AMS220 Series
Photoelectric Smoke Detectors

AMS-220......... 2-wire smoke detector
AMS-220T........ includes 135°F (57°C) fixed temp. heat sensor

- Advanced 90° detection pattern
- Red solid-state LED indicator light
- magnet-activated sensitivity test switch
- continuous self-test for low sensitivity
- manual and programmable scheduled tests for low sensitivity and alarm operation
- locking/non-locking mounting plate

AMB300
Passive Infrared Motion Detector

- Multi-level PIR signal processing
- Single element low noise sensor
- Built-in tamper switch

LENS COVERAGE

Wall-to-Wall Lens (BV-L1)	....50'L x 60'W	(15.2 x 18.3 m)
Corridor Lens (BV-L2)	....120'L x 10.5'W	(36.6 x 3.2 m)
Curtain Lens (BV-L3)	....50'L x 4.4'W	(15.2 x 1.3 m)
Pet Alley Lens (BV-L4)	....50'L x 60'W	(15.2 x 18.3 m)

AMB600
Dual Element Pet Immunity PIR

- The addressable version of DSC's Bravo6 Pet Immunity detector *(pg. 17)*
- Multi-level PIR signal processing
- Two dual-element low noise sensors
- High static and transient protection
- High white light & RF immunity
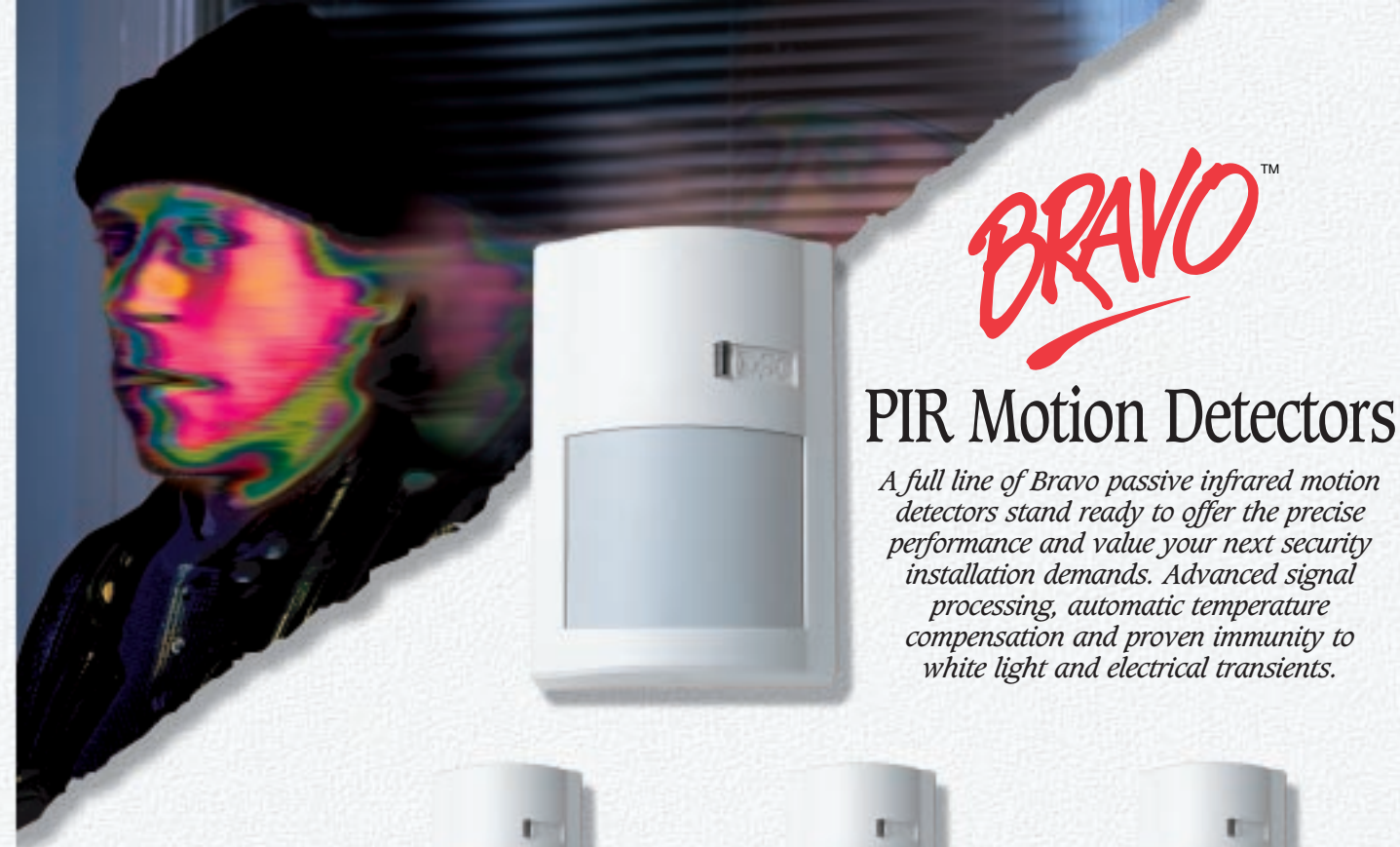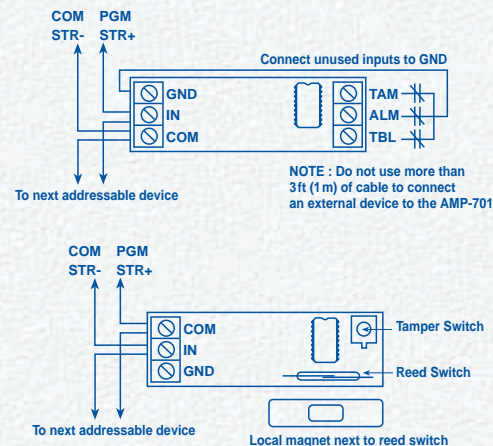- Temperature compensation
- LED on/off jumper

LENS COVERAGE

Dual PIR Lens Pattern
.........40'L x 50'W   (12.2 x 15.2 m)

AMP700 Series
Contact Modules

AMP-701...... 3 inputs to monitor external NC alarm, tamper, and trouble contacts

AMP-700 ...... magnetic door and window contact

COM   PGM
STR-   STR+

GND
IN
COM

TAM
ALM
TBL

Connect unused inputs to GND

NOTE : Do not use more than 3 ft (1 m) of cable to connect an external device to the AMP-701

To next addressable device

COM   PGM
STR-   STR+

COM
IN
GND

Tamper Switch

Reed Switch

To next addressable device

Local magnet next to reed switch

BRAVO™
PIR Motion Detectors

A full line of Bravo passive infrared motion detectors stand ready to offer the precise performance and value your next security installation demands. Advanced signal processing, automatic temperature compensation and proven immunity to white light and electrical transients.

|	Bravo2	Bravo3	Bravo4
	The Bravo2 Standard-Range PIR is ideal for residential security systems and all normal office & commercial installations.	*The Bravo3 Long-Range PIR can be used for all residential, commercial and industrial applications requiring longer range sensing capability without compromising accuracy.*	*The Bravo4 'Quad PIR' is designed for commercial, industrial & institutional environments that experience abnormally severe or volatile conditions.*
MODELS			
Form 'A' alarm contact	BV-200	BV-300	BV-400
Form 'A' alarm contact, tamper, extra terminal	BV-200R	BV-300R	BV-400R
Form 'A' alarm contact, & tamper	BV-201	BV-301	BV-401
Form 'C' alarm contact & tamper	BV-202	BV-302	BV-402
LENS COVERAGE			
Wall-to-Wall lens (BV-L1)	40'L x 40'W (12.2 x 12.2 m)	50'L x 60'W (15.2 x 18.3 m)	50'L x 60'W (15.2 x 18.3 m)
Corridor lens (BV-L2)	70'L x 6'W (21.3 x 1.8 m)	120'L x 10.5'W (36.6 x 3.2 m)	60'L x 5'W (18.3 x 1.5 m)
Curtain lens (BV-L3)	40'L x 3.5'W (12.2 x 1.1 m)	50'L x 4.4'W (15.2 x 1.3 m)	50'L x 4.4'W (15.2 x 1.3 m)
Pet Alley lens (BV-L4)	40'L x 40'W (12.2 x 12.2 m)	50'L x 60'W (15.2 x 18.3 m)	50'L x 60'W (15.2 x 18.3 m)
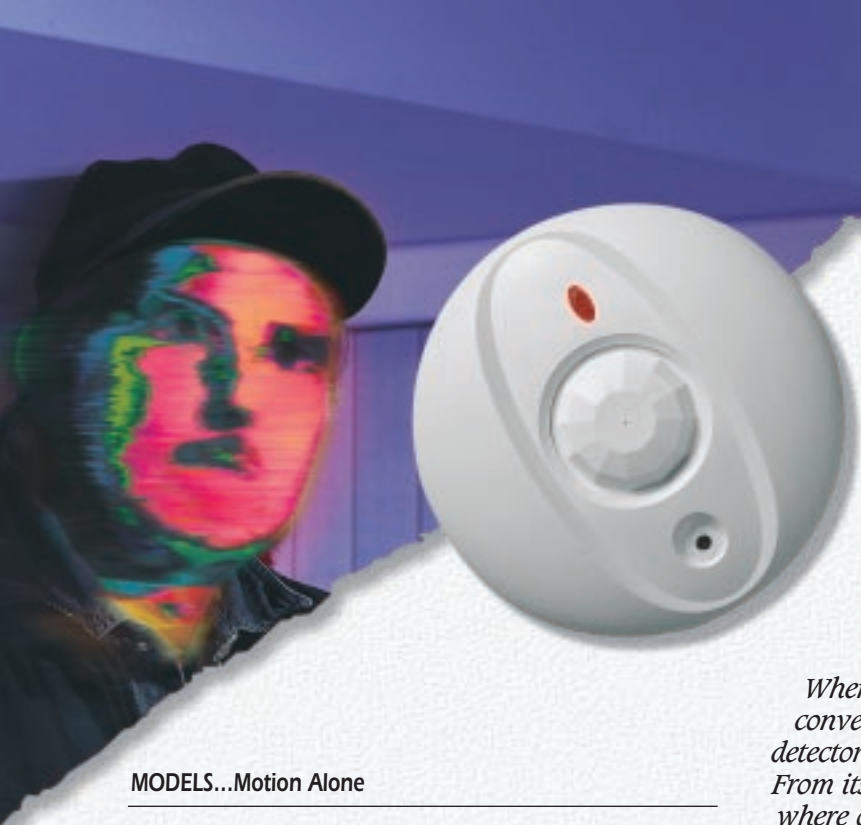
BRAVO™ 5

Ceiling-Mount 360°PIR Motion Detector

Where office partitions and room furniture offer convenient hiding places, ordinary wall-mounted detectors are at a disadvantage. Not so with Bravo5. From its vantage point high up on the ceiling, it sees where other detectors can't. And where street access offers easy entry points, Bravo5 offers an optional glassbreak detector, for double the protection.

MODELS...Motion Alone

BV-500	Form 'A' alarm contact
BV-501	Form 'A' alarm contact & tamper switch
BV-502	Form 'C' alarm contact & tamper switch

MODELS...Motion & Glassbreak

|	
BV-500GB	Form 'A' alarm contact (motion), form 'C' contact (glassbreak)
BV-501GB	Form 'A' alarm contact (motion), form 'C' contact (glassbreak) & tamper switch
BV-502GB	Form 'C' alarm contact (motion), form 'C' contact (glassbreak) & tamper switch

360° PIR DETECTOR RANGE

Mounting height	8' (2.4m)	10' (3.0m)	12' (3.6m)
Detection diameter at floor	24' (7.3m)	30' (9.2m)	40' (12.2m)

360° GLASSBREAK DETECTOR RANGE

Glass Type & Thickness	Sizes	Maximum 'D' Detection Range Level 1†	Level 2†
Plate/Tempered ⅛" - ¼" thick (3 - 6mm)	18" x 18" and up (46 x 46cm)	25' (7.6m)	15' (4.6m)
	12" x 12" to 18" x 18" (30 x 30 to 46 x 46cm)	15' (4.6m)	10' (3m)
Wired/Laminated ¼" thick (6mm)	18" x 18" and up (46 x 46cm)	20' (6m)	DO
	12" x 12" to 18" x 18" (30 x 30 to 46 x 46cm)	10' (3m)	NOT USE

†Jumper selectable

360° QUAD Element PIR...at 8' (2.4m) height

Top View

Red = Top Lens Middle Lens Bottom Lens

Side View
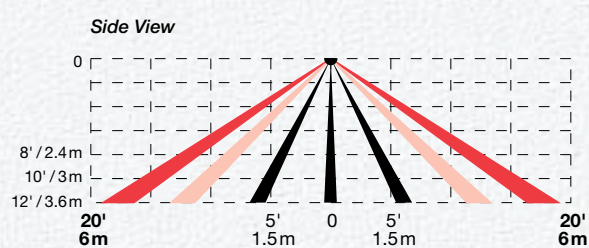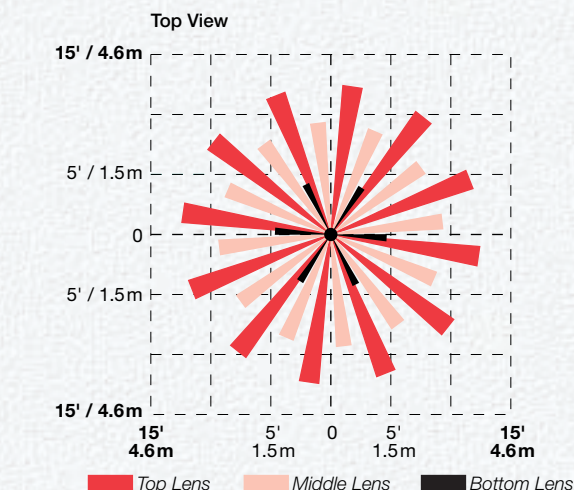
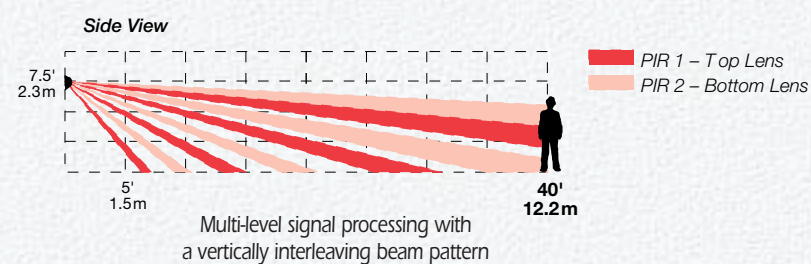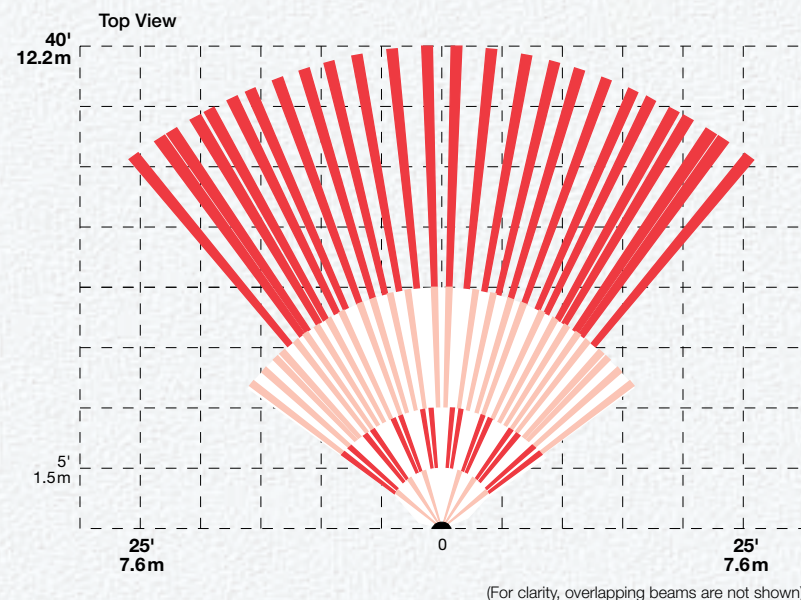### 360° Glassbreak Detector
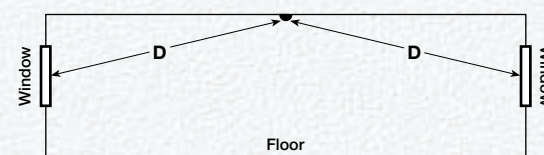
BRAVO™ 6

Superior Pet Immunity Detector

Introducing Bravo6 Dual Element PIR from DSC. A new detector that's going to change your expectations for stability, sensitivity and cost effectiveness. Not just a detector for harsh environments, Bravo6 offers a new level of detector performance your business can depend on in every security installation.

Features common to Bravo2, 3, 4, & 6:

- Multi-level PIR signal processing
- Low noise sensors
- Temperature compensation
- High level static and transient protection
- Exceptional white light immunity
- Excellent RF immunity
- LED on/off jumper
- Super quiet operation
- Wall/corner mounting
- Attractive styling for any decor
- 5 year warranty

Multi-Level Dual PIR Lens

Top View

(For clarity, overlapping beams are not shown)

Side View

PIR 1 – Top Lens
PIR 2 – Bottom Lens

Multi-level signal processing with a vertically interleaving beam pattern

MODELS

BV-600	Form 'A' alarm contact
BV-601	Form 'A' alarm contact & tamper switch
BV-602	Form 'C' alarm contact & tamper switch

LENS COVERAGE

Dual PIR lens pattern . . . . .40'L x 50'W (12.2 x 15.2m)

Bravo6 utilizes 2 dual element PIRs featuring High Density Digital Analysis* and multi-level signal processing with a vertically interleaving beam pattern for superior intruder detection while being immune to pets weighing up to 85lbs/38kg. Nothing tells the difference better than *Bravo6*.

*patent pending

FORCE2®

Dual Technology PIR/Microwave Detectors

Force2 offers two independent, high quality motion detection systems - the perfect integration of passive infrared and microwave technology in a single detector package. For great design, superior intruder catch and exceptional stability, choose Force2.
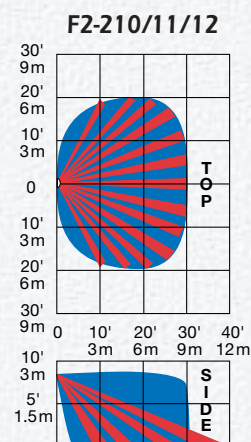
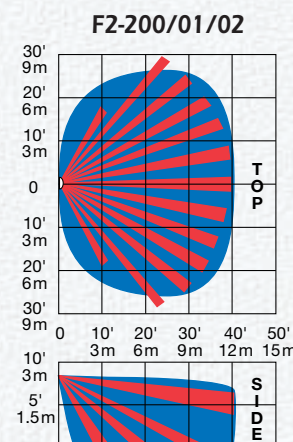### Features common to all Force2 detectors:

- Multi-level PIR signal processing**
- Digital Microwave signal processing
- DRO microwave technology for low current and reliable operation
- MOV transient/static protection

- High RF immunity with SMD construction
- Exceptional white light immunity
- Microcontroller low voltage reset circuit
- Optional Form 'C' alarm contacts
- Optional tamper switch

- Digital temperature compensation (F2-200, F2-220 only)
- Adjustable microwave detection pattern to match room size (F2-200, F2-220 only)
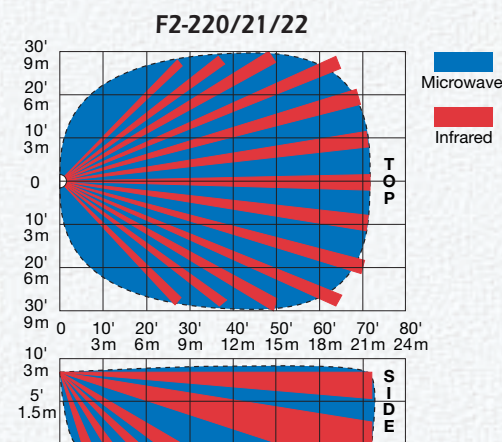 **patent pending

BRACKETS
Ceiling Or Wall

- For use with all BRAVO & FORCE2 detectors
- Adjustable universal joint bracket
- Easily installed
- High impact white plastic to match detector
- **DM-W** Wall mount bracket (not shown)
- **DM-C** Ceiling-mount bracket

MODELS

F2-200,	210,	220	Form 'A' alarm contact
F2-201,	211,	221	Form 'A' alarm contact & tamper switch
F2-201R,	211R,	221R	Form 'A' alarm contact & tamper switch & relay
F2-202,	212,	222	Form 'A' alarm contact & tamper switch

F2-210/11/12

F2-200/01/02

F2-220/21/22

Microwave
Infrared

	F2-210/11/12	F2-200/01/02	F2-220/21/22
Coverage (max. L x max. W):	30 x 40ft (9 x 12m)	40 x 50ft (12 x 15m)	70 x 60ft (21 x 18m)
Microwave range adjust:		10 to 40ft (3 to 13m)	30 to 70ft (9 to 21m)
Temperature compensation:		over entire operating range	over entire operating range

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Acuity™

Digital Glassbreak Detectors

Not just a new glassbreak detector, Acuity is a breakthrough in glassbreak detection technology. In fact, Acuity offers Dynamic Sound Analysis - a detection system so innovative it's recognized by two patents.

Features common to all Acuity detectors:

- Exceptional microphone frequency range provides excellent sound capture at low sound levels and distances of up to 12m (25ft).
- Jumper-selectable sensitivity range.

- Digital signal processing analyzes sound in remarkable detail to provide greater detector sensitivity and immunity to false alarms.
- High static and transient protection includes reliable MOV circuitry.

- Exceptional detection of all common types of framed glass including; plate, wired, tempered and laminated.
- Detectors accommodate changes in frame construction, glass thickness and room acoustics.

AFT-100
Glassbreak Simulator

- portable, battery operated tester ensures reliable locating and testing of Acuity Glassbreak Detectors
- generates Plate or Tempered Glass sound samples
- 7.62cm (3") full range speaker accurately reproduces the full range of frequencies generated by shattering glass
- single or automatic/continuous sound (sound every 10 sec) operation

MODELS

AC-100	Form 'A' alarm contact
AC-101	Form 'A' alarm contact & tamper switch
AC-102	Form 'C' alarm contact & tamper switch

DETECTION RANGE

Glass Type	Sizes	Maximum 'D' Detection Range	
		Level 1†	Level 2†
Plate/Tempered			
⅛ - ¼" thick (3 - 6mm)	18" x 18" and up (46 x 46cm)	25' (7.6m)	15' (4.6m)
	12" x 12" to 18" x 18" (30 x 30 to 46 x 46cm)	15' (4.6m)	10' (3m)
Wired/Laminated			
¼" thick (6mm)	18" x 18" and up (46 x 46cm)	20' (6m)	DO NOT USE
	12" x 12" to 18" x 18" (30 x 30 to 46 x 46cm)	10' (3m)	

†Jumper selectable

Opposite Wall Mounting

Adjacent Wall Mounting

Ceiling Mounting

Windows

• 19 •

MERIDIAN™

Photoelectric Smoke Detectors & Alarms

Meridian is setting a new standard for reliability and performance with a photoelectric design so revolutionary it's covered by two patents. With 2-wire, 4-wire and wireless versions, and all the options for relay type, local sounder and fixed temperature sensor, Meridian is ready for your next security or fire alarm installation.

- Multi-level PIR signal processing
- Advanced 90° photoelectric detection pattern and patented smoke chamber for superior detection and dust resistance
- Unique high signal-to-noise ratio and superior RFI immunity to prevent false alarms
- Excellent smoke access provides reliable detection for all smoke flow directions and velocities

- User verification of sensitivity
- Solid-state LED indicator light
- Locking/non-locking mounting plate
- Attractive styling for any decor
- UL and ULC listed

Advanced 90° Detection Pattern

With its advanced 90° photoelectric detection pattern, Meridian offers superior detection of smoldering or rapid growth fires under a broad range of applications and changing environmental conditions.

Patented Smoke Chamber Design Detects Smoke – Not Dust

Meridian's exclusive detection pattern smoke chamber design cannot be found in just any ordinary smoke detector. Meridian's design offers greater sensitivity to smoke while at the same time better immunity to dust, insects and other environmental factors - conditions that may leave a lesser quality smoke detector impaired and unable to alert you to danger.

Heat Detector Option

In addition to its superior ability to detect smoke, Meridian offers you yet another critical safeguard - it is available with a built-in sensor designed to detect the presence of heat caused by a fire that starts and develops very rapidly.
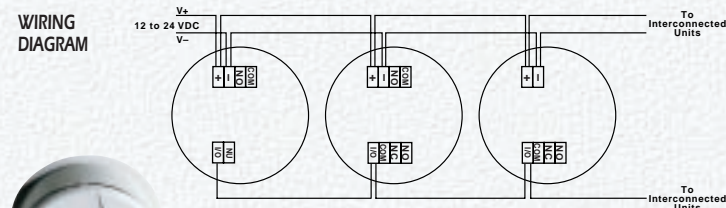
Status Indicator

With a quick glance at the LED indicator located at the top of your Meridian unit, you can see in an instant if the smoke detector is 'on' or its alarm/trouble/normal status.

MN-140 SERIES - DC POWERED SMOKE ALARM

- GREEN solid-state LED indicator light
- Loud 85 dB piezoelectric alarm sounder
- Interconnect up to 20 detectors
- Removable terminals for easier wiring
- Optional Form 'A' (normally open, alarm closed) and/or Form 'C' (normally open/normally closed) alarm relays
- 57°C (135°F) fixed temperature heat sensor option
- Test Button for user to perform sensitivity test
- Automatic self-test every 40 seconds with audible trouble indication if the detector has insufficient smoke sensitivity
- ULC listed S531

WIRING DIAGRAM

▪MODELS

| Model	Description
MN-140	Form 'A' alarm relay, sounder, interconnect
MN-140T	As MN-140 plus 57°C (135°F) sensor
MN-140R	As MN-140 plus Form 'C' auxiliary relay
MN-140RT	As MN-140 with Form 'C' auxiliary relay, 57°C (135°F) sensor
MN-140C	Form 'C' alarm relay, sounder, interconnect
MN-140CT	As MN-140C plus 57°C (135°F) sensor
MN-140CH	As MN-140C plus isolated 57°C (135°F) sensor as heat detector with Form 'A' relay

MN-220 SERIES - 2-WIRE SMOKE DETECTORS

- RED solid state LED indicator light
- Optional Form 'C' auxiliary relay
- 57°C (135°F) fixed temperature heat sensor option
- Magnet-activated sensitivity test switch
- ULC listed S529/UL listed UL268
- Nominal operating voltage ....12 - 24 VDC or Vfwr
- Maximum operating volt. range ....10 - 30 VDC or 10 - 26.4 Vfwr

▪MODELS

Model	Description
MN220	2-wire detector
MN220T	2-wire detector, fixed temp 135°F (57°C) sensor
MN220R	2-wire detector, Form 'C' auxiliary relay
MN220RT	2-wire detector, Form 'C' auxiliary relay, fixed temp 135°F (57°C) sensor

WIRING DIAGRAM
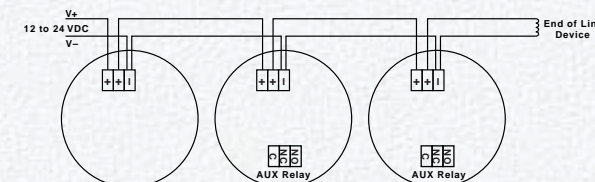
MN-240 SERIES - 4-WIRE SMOKE DETECTORS

- RED solid state LED indicator light
- Audible trouble indication (in sounder-equipped units) if the unit has insufficient smoke sensitivity
- ULC listed S529/UL listed UL 268
- Nominal operating voltage ....12 - 24 VDC or Vfwr
- Maximum operating volt. range ....10 - 30 VDC or 10 - 26.4 Vfwr

WIRING DIAGRAM
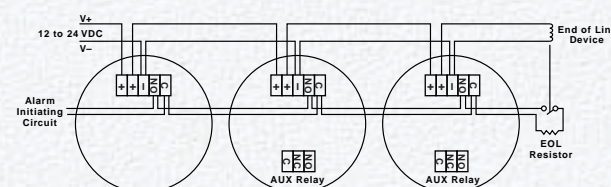
▪MODELS

Model	Description
MN240	Form 'A' alarm relay
MN240T	Form 'A' alarm relay, fixed temp 57°C (135°F) sensor
MN240R	Form 'A' alarm relay, Form 'C' auxiliary relay
MN240RT	Form 'A' alarm relay, Form 'C' auxiliary relay, fixed temp 57°C (135°F) sensor
MN240S	Form 'A' alarm relay, 85dB sounder
MN240ST	Form 'A' alarm relay, 85dB sounder, fixed temp 57°C (135°F) sensor
MN240SR	Form 'A' alarm relay, 85dB sounder, Form 'C' auxiliary relay
MN240SRT	Form 'A' alarm relay, 85dB sounder, Form 'C' auxiliary relay, fixed temp 57°C (135°F) sensor

COMMUNIQUÉ™

Integrated Telephone System

by

DSC®

- 8 lines
- 24 stations
- voice mail
- call management
- intercom
- computer/fax interface
- security system management
- building automation management
- infrared control
- FCC Class A&B certified

CPU-BRD
Digital KSU

Provides processing for the entire system and has integral capability to provide a basic communications system complete with:

- 8 digital stations
  - 8/24 digital telephone stations, internal intercom stations, door intercom stations, and dual analog interface stations
- 2 telephone lines
- 100 caller ID log of name*, number*, time and date of call
- 4 programmable outputs
  - program to operate when any or a selected line rings, when a page is performed, or to activate an electric lock from any phone or internal or external intercom station while a door station is being answered, mobile telephone, etc.
- RCA input for an external source of system background music, music on hold, and advertisement on hold
- Paging output for external warehouse or pool speakers
- Emergency jack on line 1 for backup analog phone
- Super-cap memory back-up
- Overcurrent, transient, and lightning/surge circuit protection

*Requires subscriber activation of appropriate local Telco service(s)

VPC-CRD
Digital Message Center Card
Included with KSU

- 24 private station mailboxes + 1 general system mailbox
- 1 user recorded greeting/mailbox
- 5 recordable system greetings
- 100 message buffer records message, caller phone number*, date, and time (*requires caller ID)
- 3 modes of telephone answering: Normal, Night Sentry, and Automated Attendant
- Remote access…allows users to remotely perform the following:
  - retrieve messages
  - security control
  - all page
  - room monitor
  - automation control
  - open electric lock
- PIN protection of remote access
- Toll saver by line and mailbox
- Broadcast message
- Conversation recording (where permitted by authorities)
- Installed and ready to use

EKT-824
Digital Telephone Station

- 8 incoming telephone line keys
- 24 DSS (direct station select) keys… each key may be used to:
  - communicate with another station
  - perform a programmable security or automation function
- 19 dedicated function keys including:
  Security (requires VPM-CRD Security Interface Card)…one-touch access to Maxsys and Power832 for security system control
  Automation (requires VPM-CRD Security Interface Card)…one-touch access to Maxsys & Power832 for X-10 control
  Fire, Auxiliary, Panic (requires VPM-CRD Security Interface Card)…3 keys to perform one-touch emergency calls through the Maxsys & Power832 building security systems.
  Room Monitor…allows user to listen to room activity through from a remote station and initiate private hands-free conversation with the occupants. This feature can be PIN protected and disallowed to selected stations.

Hands-free	Message Center
Call forward	DND/MIC mute
Conference	Clock
Volume Up/Dn	PGM
Hold/music	Speed dial
All page	Redial

- 32 character alphanumeric backlit display with adjustable brightness and contrast for display of:
  - caller ID   - line selected
  - number dialed   - station dialed
  - date & time   - directory info
  - messages   - alarm clock
  - trouble conditions
  - program instructions
- 16 character programmable station and line labels
- Backlit keys with adjustable brightness
- Multiple security PINs
- Prime line access
- Line ring and access
- Loud bell control
- Off-hook ring
- Ring line preference
- "Flash" call switching
- Line call-back
- Automatic hold
- Exclusive hold
- Hold and transfer recall
- Music on hold and transfer
- Executive over-ride
- Alarm clock
- Door release output
- Hearing aid compatible
- DTMF and pulse signalling

INT-STA
Digital Intercom Station

- Hands-free mic and speaker
- Volume control
- All page/answer button…
  - press to page all other stations; or to answer a page or incoming call with private conversation
- Door answer/release button…
  - press to answer a doorbell station or terminate a call
- Background music on/off control
- Do not disturb on/off… programmable from the intercom station or any 8/24 Digital Telephone Station

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DOOR-STA
Digital Intercom Station

- Hands-free mic and speaker
- Call forward…station can be programmed to call forward to an off-premise number when door bell is pressed
- Doorbell button…
  - press to sound door chime at all stations programmed to receive door chime
  - may be answered by an internal intercom station or at a phone station
  - conversations are private once answered

DAI-CRD
2 Port Interface Station
Digital to Analog Conector

- Provides an interface to 2 analog telephone devices such as:
  - fax machines to send and receive faxes. (requires VPC-CRD Digital Message Center Card)
  - computer modems to save a separate phone line
  - cordless and standard analog phone sets
- Each DAI occupies a separate station space with corresponding DSS key on 8/24 Digital Telephone Stations

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REM-IRC Infrared Remote Control

- Hand-held control with 22 buttons and low battery indicator
- Control station functions including:
  - hands-free   - door release   - paging
  - security   - automation   - intercom
  - message center   - redial   - tune radio
  - hold/music   - volume control   - flash
  - room monitor   - do not disturb


Feature Expansion

VPM-CRD 4580/5580
Security & Automation Interface Card

- Interface to Maxsys (4580) and Power832 (5580) security systems
- Any phone station keypad can be used as a security system keypad and automation controller
- Operates security system and associated 'X-10' control devices
- Provides voice prompts for programming and operation, and voice feedback of system status reports
- Provides off premises access to system from any telephone in the world
- Security, automation, all call page, silent room monitoring, intercom and DISA

TUN-CRD
Digital Tuner Card

- Proprietary radio tuner
- Provides background music and music on hold
- Can be tuned from any 8/24 phone station
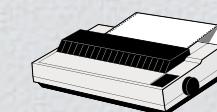
MOD-CRD
Modem Card

- Two RS 232 ports for connection to on-site printers
- Print system diagnostic and Station Message Detail Recording (SMDR) reports
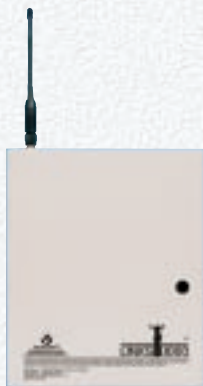- perform factory remote diagnostics

Capacity Expansion

STA-CRD
Digital Station Card

- Adds 8 additional stations per card
- Add up to 2 cards for 16 additional stations or 24 stations total

CO-CRD
Central Office Card

- Adds 2 additional telephone lines per card
- Add up to 3 cards for 6 additional lines or 8 lines total

Links 1000
Cellular Alarm Transmitter

Features

- Uses standard and priority cellular telephone services available nationwide.
- Compatible with most DSC security systems including:
  - PC1500, PC1550 (v4.0 Software), PC1575 (v1.0 software)
  - PC2525 (v1.0 software), PC2550 (v1.2 & newer software)
  - PC3000 (v7.6 & newer software), PC4010, PC4020 (all versions)
  - PC4020KT (all versions), PC5010 (v1.0 & newer software)
  - PC1555 & PC580 (all versions), PC 5015 (all versions)
- Battery back-up to A.C. power
- Registration format eliminates the possibility of ESN theft
- On-board signal strength indicator
- Auxiliary input trigger
  - for automatic in-house phone connection to a preprogrammed phone number.-connect any in house phone onto cellular network
- Jumper selection for DC power operation...ideal for commercial trucks, buses, boats and RV'S
- Self monitoring of:
  - loss of A.C. power, battery fault, cellular communication and tampering
- Programmable with Sur- Gard Links1000 PGM v1.4:
  - cellular telephone number, home access I.D. and initial paging channel

Specifications

Cellular Specifications

- Local cellular telephone network
- Frequency Range: 880 MHz to 889 MHz
- Supports all control panel communication features.

Power

- Current with no A.C.:
  1.1A transmitting 210 mA not transmitting
- Current with A.C.:
  280 mA battery charged 680 mA battery under charge 1.15A tranmitting
- RF power output: 3.0 Watts max.
- Battery: 12V 4 Ah rechargeable sealed battery
- Transformer: 16.5 VAC, 40 VA

Antenna

- 3-5 dB gain, TNC connector, cabinet or remote control
- Extension kits available:
  LAE- 3...3 foot antenna kit, LAE-15...15 foot antenna kit, LAE-25...25 foot antenna kit

Dimensions

- 11" x 11.8" x 3.3" (279 x 300 x 84 mm)

Weight

- 6.5 lbs. (3 Kg)

SKYROUTE™

SKYROUTE™
Wireless Communications

The Skyroute transceiver provides wireless communication of event conditions to the alarm monitoring facility utilizing the the Cellemetry/sm Data Service. The Skyroute module comes in the form of a plug-in module for all Power832, PC1555 and PC580 control panels, utilizing the keybus technology to provide full reporting, ease of programming and module supervision. Cellemetry/sm Service is a patented wireless technology developed by Cellemetry LLC and is provided exclusively in Canada by Mobility Canada cellular carriers.

Features

Uses Wireless Cellemetry Network where available
Simple four wire keybus connection
Compatible with:
DSC PC5010 software version v1.XX; v2.02
DSC PC1555 software version v2.XX
DSC PC580 (all version)
DSC PC5015 software version v1.XX; v2.2X
Provides full event reporting through keybus connection
Module transmits event conditions in less than a second
Module mounts into existing control panel cabinet
Powered from the control panel, preventing the use of an additional transformer and an additional battery
Full status from built-in LED's
- Signal strength indicator
  maximum signal strength
  good signal strength
  acceptable signal strength
- Transmit/Receive status
- Transceiver status
  normal operation
  modem not responding
  module not connected
  fail to communicate
Fully programmable via control panel keypad

Installation

Module mounts at top right corner or bottom left corner of existing control panel cabinet.
Antenna through knockout
Antenna can be remotely located using available extension kits
Module can be remotely located up to 1000 feet from the control via keybus connection

Antenna

3 – 5 dB gain, TNC connector
Extension kits available:
LAE-3, 3 foot antenna extension kit,
LAE-15, 15 foot antenna extension kit
LAE25, 25 foot antenna extension kit

Power Supply

12 VDC from Panel Keybus and 12 VDC from Bell+ circuit

Dimension

3.5" x 4.6" x 1.8" (85 mm x 115 mm x 45 mm)

Weight

0.5 lbs. (0.2 kg)

Central Station Receivers

CE ▪ UL ▪ ULC Approved

Sur-Gard multiplex digital, video and two way listen-in compatible receivers provide more lines and formats, faster installation and service, and better call processing for superior control.

SLR
Single Line Receiver

- Multiple communication formats
- Caller ID
- 256 event memory
- Desk mount
- Parallel & Serial outputs

MLRV-A
Downlook® Video Receiver Module

- Compatible with MLR2 Digital Receiver Expandable to 14 modules
- Video and Serial output
- Processes slow scan video images
- Output to PC
- Outputs to switch time lapse VCR
- Available in PAL or NTSC
- Requires expansion cage MLRXV or MLR2XV

DRL2A
Digital Receiver Module

- 2 digital lines
- 256 event memory per line
- Expands MLR2 to 14 lines
- 92 communication formats including: Contact ID, SIA, BFSK, ITI, SIA Level 1, 2, 3, 8, 20, Ademco Contact ID, Radionics, Silent Knight FSK
- Caller ID

MLR2
Multi-Line Receiver

- Expandable to 14 lines
- 92 communication formats
- Caller ID
- Built-in audio
- 256 event memory per line
- Parallel & Serial outputs
- Downlook® video compatible

MLRX
Receiver Expansion Cage

- 19" Rack Mount
- Holds 2 DRL2A receiver modules

MLRXV
Video Expansion Cage

- 19" rack mount
- Holds 4 - MLRV-A receiver module's

MLR2XV
Video/Receiver Expansion Cage

- 19" rack mount
- Holds 2 - MLRV-A modules and 1 DRL2A module

CABINETS
Receiver Cabinets

- **CSX** 2 line desk mount Non U.L.
- **CS.** 6 line desk mount U.L.
- **CM.** 14 line desk mount U.L.
- **CL.** 14 line floor mount U.L. (shown)

MLR2-SP
Spare Parts Kit

CPM2..............central processor module
DRL2A ....2-line digital module
DML2A ....backplane circuit board
DML4 ....backplane circuit board
MCBL.............telephone connection cable
CH6UF2 ......power ribbon cable
CH6UF3 ....data bus ribbon cable

SG SECURITY COMMUNICATIONS ™

Automated Still Frame Video Transmission System

Downlook® integrates video with DSC alarm systems to provide positive alarm verification and a visual record of events for subsequent investigations.

DLM-4/4L
Video Transmitter Module

- Captures, compresses, and transmits B&W still frame video
- Used on all Downlook® applications:
  - DLM-4 with 8400DL, PC1580, and PC3000DL
  - DLM-4L for Power832 equipped with PC5015 control board
- Single 75 ohm input for camera, VCR, or video switcher
- PAL or NTSC operation
- 10.5 - 16VDC operation, 300mA @12VDC

DLM-7
7 Camera Expansion Module

- Connects to DLM-4
- Expands Downlook® system to:
  - 7 video inputs when used with 8400DL
  - 4 video inputs when used with PC1580
  - not used on Power832®
- Provides camera switching when used with DLM-4 rotary feature

DLGB
Video Grabber Board

- Plugs into computer ISA slot
- Cable connection to receiver MLRV-A module to capture Downlook® video on a PC
- One DLGB required per MLRV-A
- Includes PSA software to display and manage video images
- Requires dedicated 486 Pentium with at least 8Mb ram, 1 Mb video ram, Windows™ 3.11 or 95, and a mouse or touch screen
- 4 cards per PC

PC5108L
Power832® Video Matrix Module

- Adds 8 video inputs, one video output and 8 alarm zones to Power832® equipped with PC5015® control board
- All necessary Downlook® programming software built-in to Power832®
- May be used alone as an on-site video switcher

DLM-4L required for video, capture, compression and transmission to a monitoring station
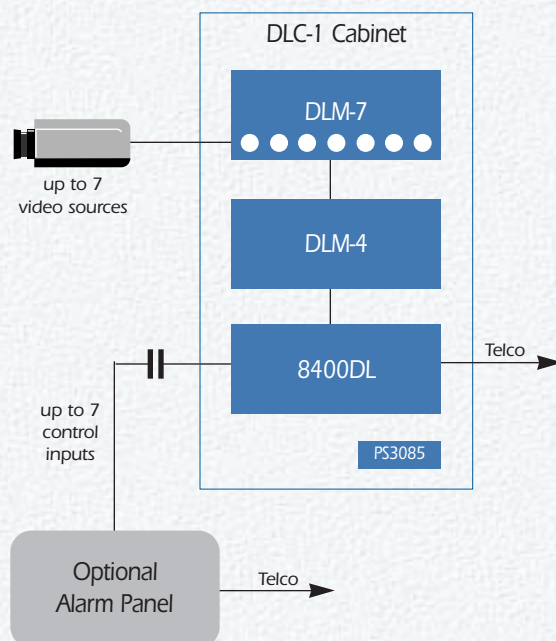
Universal Downlook® System
adds Downlook® capability to any alarm panel
or...acts as a standalone Downlook® system

DLC-1 Cabinet

DLM-7

DLM-4

8400DL → Telco

PS3085

up to 7 video sources

up to 7 control inputs

Optional Alarm Panel → Telco

DSC 8400DL
8 Channel Digital Communicator

- Built-in Downlook® program
- 7 N/O or N/C alarm inputs
- programmed for Downlook® via DSC PC2550RK keypad
- Communicates alarm and video information
- 3 outputs
- Built in telephone line monitor

DLM-7 provides 7 video inputs triggered from inputs to 8400DL

DLM-4 provides video, capture, compression and transmission to a monitoring station

PS3085
Power Supply

- Provides 3A, 12VDC power for the 8400DL, DLM-4, and DLM-7
- Supervisory outputs for low battery and AC failure
- 16VAC transformer required

DLC-1
Universal System Cabinet

- Houses 8400DL, PS3085, DLM-7, and DLM-4

DELTAVISION
CCTV Systems

OBS14 Remote Observation System

This line of observation system equipment creates a complete professional CCTV solution. Standard CAT5 cables and 2-way audio capability combine to provide an easy-to-install plug and play expandable system which requires less cabling and installation time.

Video Recorders

Our new line of video recorders, a complement to our monitor series, has been made for high performance. These recorders are capable of reproducing high-resolution color or black & white images, and provide advanced features such as combined time-lapse and real-time recording.

Impact Quad Splitter

Our video handling series offers multiplexers, quad processors and video switchers. Easy to use, reliable and versatile, this series optimizes the customer's CCTV installations through intelligent design and a high degree of programmability.

Ellipse Concealed Cameras

Our dome series presents a versatile line of full or half sphere domes engineered for easy installation and maintenance. The domes are capable of housing up to four PCB cameras and are extremely durable. Adaptable to many different applications, they can be recessed, flush-, pole- or wall-mounted.

BG100

Our camera housing series has been designed for indoor, outdoor, ceiling- or wall-mount installation. The series is adaptable to a wide range of installation conditions in the harshest environments, and each has been designed to be user-friendly, simple to install and easy to maintain.

Control Panel Feature Chart

MODEL	PC500	PC550	PC1150	PC1550	PC1575	PC2525	PC2550	PC3000	PC580	PC1555	Power832	PC4010	PC4020	Marquis
# Programmable Zones	4	4	4	6	6	8	8	16	4	6	8	8	16	10
Expandable to	–	–	–	–	–	–	–	–	8	8	32	64	128	–
Wireless Option	–	–	–	–	–	–	–	–	•	•	•	•	•	•
Addressable	–	–	–	–	–	–	–	–	–	–	–	•	•	–
# Transistor Outputs	2	1	1	1	2	1	1	1	2	2	2	1	2	–
Expandable to	–	–	–	–	–	–	–	–	–	–	14	144	144	–
# Relay Outputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Expandable to	–	–	–	–	–	–	–	–	–	–	–	64	64	–
Swinger Shutdown	–	•	•	•	•	•	•	•	•	•	•	•	•	–
# Access Codes	4	4	6	6	7	8	16	16	37[1]	37[1]	37[1]	1,000	1,000[1]	10
# Partitions	1	1	1	1	1	1	2	2	1	1	2	4	8	1
Split Reporting	–	–	•	•	•	•	•	•	•	•	•	•	•	•
Keypad Included...PC -	500RK	500RK	Integrated	1500RK	1575RK	2550RK	2550RK	3000RK	1555RKZ	1555RKZ	LED[2]	–	–	WLS902
Digital Communicator	no	•	•	•	•	•	•	•	•	•	•	•	•	•
Telephone Line Monitor	–	–	–	–	•	•	•	•	•	•	•	•	•	•
Siren Circuit Supervision	–	–	–	–	•	•	•	•	•	•	•	•	•	•
Max. # of Keypads	3	3	1	3	8	3	3	3	8	8	8	16	16	2
LCD Keypad Available	–	–	–	–	•	•	•	•	•	•	•	•	•	•
Keyswitch Arming	•	–	–	–	•	•	•	•	•	•	•	•	•	•
Auto Bypass	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Auto Arming	–	–	•	•	•	•	•	•	•	•	•	•	•	•
Quick Exit	–	–	•	•	•	•	•	•	•	•	•	•	•	•
Keypad Programmable	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Downloadable	–	•	•	•	•	•	•	•	•	•	•	•	•	•
Ans. Machine Bypass	–	•	•	•	•	•	•	•	•	•	•	•	•	•
Escort Compatible	–	–	–	–	•	•	–	–	•	•	•	•	•	•
Downlook Option	–	–	–	–	–	–	–	–	–	•	•	•	•	–
SIA False Alarm Prevention Features	–	–	•	•	•	•	•	•	•	•	•	•	•	•
Event Buffer	–	–	–	•	•	–	•	•	•	•	•	•	•	•
DEOL	–	–	–	–	•	–	•	•	•	•	•	•	•	–
DVACS	–	–	–	–	•	–	–	–	•	•	•	•	•	–
Access Control	–	–	–	–	–	–	–	–	–	–	–	•	•	–

[1] 4 or 6 digit codes   [2] PC5508, PC5516 or PC5532 LED keypad to match panel ordered   [3] DVACS is a trademark of Electro Arts Ltd.

International ISO 9001 Certification

Throughout our 20 year history, DSC Security Controls Ltd. has maintained the highest standards of product quality in the industry. That is why we take such pride in having received ISO 9001 certification for our main engineering and manufacturing facilities - a rating that represents an internationally recognized benchmark of quality. The ISO 9001 rating assures you, our customer, of true product quality and it has been a key factor in the successful introduction of DSC products worldwide.

Worldwide Agency Approvals

The products offered by the DSC Group of Companies are known and trusted for their quality and reliability in markets around the world. That trust is backed by product testing and approvals from safety and rating agencies in every country we serve.