


MAXSYS®

A man in a grey suit and blue polka-dot tie stands in the foreground on the left. Behind him is a large, ornate building with many windows, some of which are lit up, suggesting a city at night.

Business is challenging.
Business security shouldn't be.

High-End Integrated Security from DSC

DSC®



MAXSYS

COMPREHENSIVE SECURITY THAT'S NOT COMPLICATED

Managing a business takes a lot of work, passion and commitment. That's why it's important that the same effort be made when choosing a security system. After all, properly protecting the people and other valuable assets that comprise a successful business are not something you want to jeopardize.

There was a time when building security consisted of little more than burglar alarms, motion detectors and a few smoke detectors. Clearly times have changed and the need for a premium security system is real.

In keeping with new times and new technologies, DSC has defined the meaning of security, as is evident with MAXSYS. The security system allows a host of value-added and life-safety features to be integrated to provide peace of mind for years to come. Security concerns, whether they are intrusion, fire, alarm communications, access control, automation, wireless/addressable expansion or structured cabling, can be tailored to meet specific needs. MAXSYS is truly a single-system solution that is ideal for commercial, industrial and institutional facilities, as well as large or multi-level residential units.

- ▶ Fully integrated security solutions
- ▶ High-end premium quality security



MAXSYS



INTRUSION CONTROL PANELS

Every business is unique. With MAXSYS you can choose the best combination of technologies to expand security needs as necessary.

- ▶ **COMBUS expansion**
- ▶ **Addressable loop expansion**
- ▶ **Wireless expansion**

16-128 Zone Control Panel

PC4020

- 16 zones on main control panel
- Supports up to 16 hardwired keypads
- Expandable to 128 zones using hardwire, wireless modules and addressable zones
- COMBUS hardwired expansion
- 8 partitions
- 1,500 user codes (4 or 6 digit)
- 3,000-event buffer
- 9 account and 3 phone numbers
- 1 supervised bell zone
- Built-in telephone line and siren supervision
- Auto SIA and Contact ID formats
- Supports SKYROUTEMAX™ and T-Link™ TL250/T-Link Internet and network alarm communicators
- Full upload/download support with DLS download software

KEYPADS

MAXSYS LCD keypads put security and convenience at your fingertips. The keypad offers end-users simple one-button activation of five programmable function keys. For urgent situations, keypad-activated emergency keys send an alarm signal to the central monitoring station, which in turn, notifies the proper authority (police, fire or emergency services).

Programmable-Message LCD Keypad

LCD4501

- Connect up to 16 keypads
- Large, back-lit, 2-line, 32-character display
- Plain-language display of zone status, system status, trouble conditions, event buffer, system instructions, date and time
- Ready, Armed and Trouble LEDs
- 5 programmable function keys
- 4 keypad-activated alarms:
 - Panic, Auxiliary, Fire and Duress
- Backlight boost

MAXSYS



INTERNET & NETWORK ALARM COMMUNICATORS

In the same way that cellular telephones, pagers and handheld PDAs have revolutionized personal communications, the DSC T-Link family of Internet and network alarm communicators provides end-users with the highest levels of communication security.

Internet Alarm Communicator

T-LINK TL250

The simple-to-install Internet alarm communicator saves customers money by taking advantage of their existing Internet/Intranet networks to create fully supervised security solutions between protected premises and the central monitoring station. No other communication network needs to be created. And with industry-leading 128-bit AES encryption, customers can be assured that they are getting the most secure Internet alarm communicator available.

Network Alarm Communicator

T-LINK

A low-cost alternative to traditional phone line alarm communication, T-Link works within the existing Intranet (LAN/WAN) of businesses to securely communicate alarm signals to a central monitoring station. This is an ideal application for large retail chains or campus-style installations where significant networks have already been established and are being used for various purposes.

WIRELESS EXPANSION

Use the PC4164-433 wireless receiver to support up to 64 wireless zones and 16 wireless keys. Up to eight backup receivers can be installed on one system. Choose wireless devices from the innovative new line-up of DSC wireless solutions.

Technologically advanced products such as wireless keys, smoke detectors, and a host of detectors and modules are available for installation. All wireless devices are fully supervised for communication integrity and can be configured according to the security needs of every imaginable circumstance, providing double-safe protection with outstanding features:

- Multiple receivers for larger coverage and overlaps
- New technology for greater signal range and accuracy
- Long-life lithium batteries
- Attractive, compact designs
- Easy to install, program and use
- Revolutionary reliability and wireless convenience

MAXSYS



ADDRESSABLE LOOP EXPANSION

The Addressable Multiplexed Loop (AML) provides the ultimate in simple, flexible and affordable zone expansion. Save time and money by connecting any addressable detector anywhere on the two-wire AML loop to create up to 128 addressable zones.

Addressable Passive Infrared Detector

AMB-300

- Based on the Bravo® 3 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Interchangeable lenses:
 - Wall-to-wall lens (standard), curtain lens, pet-immune lens and corridor lens
- Built-in tamper switch

Addressable Pet-Immune Passive Infrared Detector

AMB-600

- Based on the Bravo® 6 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Provides pet immunity up to 85 lbs (38 kg)
- Built-in tamper switch

Addressable Ceiling-Mount Passive Infrared Detector

AMB-500

- Based on the Bravo® 5 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Coverage diameter based on mounting height
- Built-in tamper switch

Addressable Glassbreak Detector

AMA-100

- Based on the Acuity™ hardwire glassbreak detector
- Detects all types of breaking glass
 - Plate, laminated, safety and tempered
- Can be tested using the glassbreak simulator (AFT-100)
- Built-in tamper switch

Addressable Photoelectric Smoke Detectors

FSB-210 SERIES

- Automatic drift compensation
- Easy-maintenance removable smoke chamber
- Non-contact sensitivity reading with handheld test meter (FSD-100)
- Self diagnostics
- UL listed

Addressable Point / Contact Modules

AMP-700 / AMP-701NP / AMP-702 / AMP-704

- AMP-700 door/window contact with built-in reed switch
- AMP-701 door/window contact with normally closed input
- AMP-701NP universal addressable point module
- AMP-702 fire point module with normally open, EOL resistor supervised input
- AMP-704 4-door/window contacts with normally closed, single or double EOL inputs
- AMP-704F 4-zone normally open fire input module

Loop Repeater / Isolator Modules

AMX-400 / AMX-400PS

- Can be used to repeat and re-power the AML loop to allow for longer wire runs:
 - Requires 12 Vdc power source
- Will isolate the wire run in the event of a problem
- Adds additional 170 mA
- AMX-400PS includes all the same features as the AMX-400 plus power supply

Loop Isolator Module

AML-770

- Can be used to isolate burglary detectors from fire detectors on the same wire run

MAXSYS

DATA INTERFACE MODULE

With the installation of data interface modules (PC4401), MAXSYS control panels are able to interface with leading manufacturers of home and building automation products and audio distribution systems to create seamless, fully integrated control solutions.

Data Interface Module

PC4401

- Capable of performing as either a bi-directional RS-232 interface, PC-Link isolator, printer module or DVACS^{®*} communicator (Canada only)
- Real-time zone status
- Fully programmable
- 4-wire hook-up to COMBUS

* DVACS is a registered trademark of Electro Arts Ltd. Scarborough, Ontario, Canada.



MODULES

MAXSYS zone expanders can add eight zones or 16 zones where needed. Simply connect them to the COMBUS for flexible, efficient and distributed zone expansion.

8 / 16 Hardwire Zone Expanders

PC4108 / PC4116

- PC4108 adds 8 hardwire zones
- PC4116 adds 16 hardwire zones
- AUX power rated at 250 mA (PTC protected)

Power Supply/Relay Output Module

PC4204CX

- Connect up to 16 modules
- Fully supervised for AC failure, low battery and AUX failure
- 4 programmable form 'C' relays:
 - Rated at 3 Amps @ 12 Vdc

16-Output Module

PC4216

- Provides 16 programmable outputs:
 - Rated at 50 mA @ 12 Vdc
- Connect up to 9 PC4216 modules per system

POINT & GRAPHIC ANNUNCIATORS

When emergencies occur, make certain operating and emergency personnel are able to understand the nature of an alarm and are able to communicate the information needed for swift and effective action. With MAXSYS point and graphic annunciators, context-sensitive information is never more than a glance away. The annunciators can display up to 144 zone, partition and system events.

32 / 64 Point & Graphic Annunciators

PC4632 / PC4664

- Egg-crate backplate for flexible LED locations
- Pre-printed point display transparency
- Clear transparencies (2) for custom graphics



MAXSYS

MAXSYS FIRE PRODUCTS

MAXSYS fire products provide all the equipment needed to integrate full commercial fire into any security application.



PC4020CF



LCD4521



PC4701



PS4350R



PC4204CXCF



PC4702BP

Commercial Fire Panel

PC4020CF

- Includes all the features of the PC4020 plus:
 - PC4050CR cabinet
 - PC4701 module
 - Built-in 16 V_{AC}, 40 VA transformer

Programmable Fire-Message LCD Keypad

LCD4521

- Includes all the features of the LCD4501 keypad
- Red bezel
- Fire function keys:
 - Silence Trouble, Silence Bells, Fire Reset, Fire Drill and Lamp Test

Dual-Line Dialer Module

PC4701

- Dual, supervised phone line connections
- 1 2-wire Class B/Style B supervised smoke alarm zone
- 1 Class B/Style B waterflow zone
- Fire alarm and fire trouble form 'C' relays

External Battery Charger

PS4350R

- Includes PS4085 multi-rate charger module
- Includes PT1012 transformer, 12 V_{DC}, 160 VA
- Space for 60 Ah of rechargeable batteries

Commercial Fire Power Supply

PC4204CXCF

- Includes all the features of the PC4204CX
- Includes PC4052CR cabinet
- Built-in 16 V_{AC}, 40 VA transformer

Dual-Zone Bell Panel

PC4702BP

- Connect up to 4 modules
- Provides 2 alarm notification circuits:
 - Rated at 1.8 Amps @ 24 V_{DC} each
- Fully supervised outputs for open, short and ground fault
- PTC protected
- Includes:
 - PC4052CR red cabinet
 - 28 V_{AC}, 180 VA transformer

MAXSYS

ACCESS CONTROL

Monitoring and restricting the individual entry of tens or perhaps a thousand people within a building is not easy. To protect it from theft or damage, MAXSYS allows simple and affordable access control integration with its alarm systems.

2-Reader Access Control Module

PC4820

- Connect up to 16 modules
- Multiple reader technologies
- 2 supervised lock outputs:
 - 250 mA per output
- 64 user access levels
- 99 date schedules
- 4 holiday groups
- Arm/Disarm partitions via access control
- PC4053 beige cabinet included

Readers

- MAXSYS supports a wide variety of 26-bit Weigand and Kantech XSF Technology readers including:
 - Polaris™, ioProx™, Shadowprox™ and HID

Request-to-Exit Detector

T-REX™

- Passive infrared request-to-exit detector with patented X-Y Targeting™ and DSP (Digital Signal Processing)

MAXSYS ACCESS CONTROL KIT

This affordable package is the perfect access control starter kit. It has all the essentials you need: control panel, access control module, reader and cards in one low-cost package. And, if needed, the system can be easily expanded.

- 1 PC4020 control panel
- 1 PC4820 access control module
- 1 P225W26 ioProx reader
- 10 P40KEY ioProx dual-encoded proximity keys



MAXSYS

DLS2002SA SYSTEM ADMINISTRATOR™ SOFTWARE

The DLS2002SA System Administrator software is a perfect solution for large or multi-location business applications using the MAXSYS control panel. The software is simple to use and gives users the ability to view and change codes, access cards and schedules, as well as view system status, arm/disarm partitions, and view, sort and print the event buffer. The software can be found in the Products area of the DSC website under the password-protected software section.

CONCOURSEXP™ STRUCTURED CABLING

ConcourseEXP is the best value in residential structured cabling. It provides new home builders and home-system integrators with the convenience of a single, comprehensive family of cable management products that are easy to use in applications of all sizes and complexity. ConcourseEXP enclosures and low-voltage modules have been designed to provide seamless integration with MAXSYS control panels and modules.



HOME AUTOMATION

Imagine a security system that controls home lighting automatically. With MAXSYS control panels lights can be programmed to automatically turn on and off according to a daily, weekend or monthly schedule. These tasks can be controlled by turning any touch-tone phone into a fully functional keypad that can be used to monitor and control a security system from home or from anywhere in the world.

Telephone Interface & Automation Control Module

ESCORT™ PC4580

- Turns any touchtone telephone into a talking keypad
- Programmable labels:
 - 6 words per label
 - 240+ word library
- Built-in X-10 interface:
 - Supports up to 32 x-10 devices
 - 16 schedules, 8 modes
- Available in English, Spanish and French



MAXSYS®

INTEGRATED SYSTEMS TECHNOLOGY

ADDRESSABLE EXPANSION

AMB-600
ADDRESSABLE
PET-IMMUNE
PASSIVE INFRARED
DETECTOR

AMA-100
ADDRESSABLE
GLASSBREAK
DETECTOR

AMB-500
ADDRESSABLE
CEILING-MOUNT
PASSIVE INFRARED
DETECTOR

AMB-300
ADDRESSABLE
PASSIVE
INFRARED
DETECTOR

AML-770
LOOP
ISOLATOR
MODULE

AMX-400
LOOP REPEATER/
ISOLATOR MODULE

FSB-210 SERIES
ADDRESSABLE
PHOTOELECTRIC
SMOKE DETECTORS

**AMP-700/AMP-701
AMP-702/AMP-704**
ADDRESSABLE CONTACT MODULES

2-WIRE
ADDRESSABLE
LOOP(S)

ALTERNATE COMMUNICATIONS

PC4401DV
DVACS COMMUNICATOR
(CANADA ONLY)

SKYROUTEMAX™
WIRELESS
TRANSMITTER
FOR MAXSYS®

T-LINK™ TL250
INTERNET ALARM
COMMUNICATOR

T-LINK™
NETWORK ALARM
COMMUNICATOR

SERIAL INTERFACE

PC4401
DATA INTERFACE
MODULE

WIRELESS EXPANSION

WLS925L-433
WIRELESS DOOR/
WINDOW CONTACT

WLS904PL-433
WIRELESS PASSIVE
INFRARED DETECTOR

WLS914-433
WIRELESS
PET-IMMUNE
PASSIVE INFRARED
DETECTOR

WLS912L-433
WIRELESS
GLASSBREAK
DETECTOR

WS4916
WIRELESS
PHOTOELECTRIC
SMOKE DETECTOR

PC4164-433
WIRELESS RECEIVER

WS4938
1-BUTTON
PERSONAL PANIC

WS4949
2-BUTTON
WIRELESS KEY

WS4959
12-CHANNEL,
5-BUTTON
WIRELESS KEY

WS4939
4-BUTTON
WIRELESS KEY

4-WIRE
COMBUS

FIRE ALARM

**FSA-210/410
SERIES**
2/4-WIRE PHOTOELECTRIC
SMOKE DETECTORS

LCD4521
PROGRAMMABLE
FIRE-MESSAGE
LCD KEYPAD

PS4350R
EXTERNAL BATTERY
CHARGER

PC4632/4664
32/64 POINT
GRAPHIC ANNUNCIATORS

PC4701
DUAL-LINE
DIALER MODULE

PC4702BP
DUAL-ZONE
BELL PANEL

WINDOWS SOFTWARE

DLS2002SA
SYSTEM
ADMINISTRATOR
SOFTWARE

DLS2002
DOWNLOADING
SOFTWARE

INTRUSION

ACCESS CONTROL

PC4204CX
POWER SUPPLY
RELAY OUTPUT MODULE
COMBUS REPEATER

LCD4501
PROGRAMMABLE-
MESSAGE LCD KEYPAD

PC4108/PC4116
8/16 HARDWIRE
ZONE EXPANDERS

PC4216
16 PROGRAMMABLE
OUTPUT MODULE

PC4820
2-READER ACCESS
CONTROL MODULE

T-REX™
REQUEST-TO-
EXIT DETECTOR

READERS
POLARIS,
IoPROX™
26-BIT WIEGAND,
KANTECH XSF
TECHNOLOGIES

**POLARIS
MAGSTRIPE**

AUTOMATION

ESCORT™ 4580
TELEPHONE INTERFACE
AND AUTOMATION
CONTROL MODULE

**LOCAL/REMOTE CONTROL
WITH VOICE PROMPT**



MAXSYS

LISTINGS

AMERICAN LISTINGS

Category	Description	Applicable Standard
APAW	Police station alarm units (commercial burglary)	UL365, UL1635
AMCX	Central station alarm units (commercial burglary)	UL1610, UL1635
AOTX	Local alarm units (commercial burglary)	UL609, UL1635
NBSX	Household burglar alarm units	UL1023
UTOU	Control units and accessories	UL985
UOJZ	Control units system (commercial fire)	UL864
ALVY	Access control system units	UL294

CANADIAN LISTINGS

Description	Applicable Standard
Central station fire alarm system units	CAN/ULC-S527
Central monitoring station burglar alarm system units	CAN/ULC-S302
Local alarm units (commercial burglary)	CAN/ULC-S303
Household burglar alarm system units	CAN/ULC-S310
Household fire warning system units	CAN/ULC-S545
Access control system units	UL294

EUROPEAN LISTINGS

This product is in conformity with EMC directive 89/336EEC, R&TTE directive 1999/5/EC and low voltage directive 73/23/ECC based on results using the harmonized standards: CISPR Class B, EN50130-4, TBR21, EN60950-1.

AUSTRALIAN LISTINGS

The product carries the A-Tick, Australian compliance mark, indicating that it meets safety and network integrity standards set by the ACA.

CHINESE LISTINGS

Certification under MII (Network Access License) and CCC (Burglar Alarm Systems)
CCC Standard: General Specifications for Burglar-Alarm Control Units GB 12663-2001
MII standards: GB/T 15279-2002, YD/T 868-1996, YD/T 968-2002, YD/T 965-1998, YD/T 993-1998