Honeywell

Honeywell in Europe, Middle East, Africa and Asia Pacific

The whole world of Building Management.

Flexible, simple, economical.

Austria
Honeywell Austria Ges.m.b.H.
Handelskai 388
1023 Wien
Phone: (43) 1 727800
Fax: (43) 1 727808

Belgium
Honeywell S.A.
3, avenue du Bourget
1140 Bruxelles
Phone: (32) 2 7282711
Fax: (32) 2 7282468

Bulgaria
Honeywell EOOD
14, Iskarsko Chaussee
POB 79
1592 Sofia
Phone: (359) 2 794027
Fax: (359) 2 794090

Czech. Republic
Honeywell spol s r. o.
Budejovicka 1
14021 Prague 4
Phone: (420) 2 61122777
Fax: (420) 2 61122691

Denmark
Honeywell A/S
Automatikvej
2860 Soeborg
Phone: (45) 39 555555
Fax: (45) 39 555556

Finland
Honeywell OY
Ruukintie 8
02320 Espoo 32
Phone: (358) 9 3480101
Fax: (358) 9 34801234

France
Honeywell SA
Parc Technologique de St. Aubin
Route de l'Orme (CD 128)
91190 St. Aubin
Phone: (33) 1 60198000
Fax: (33) 1 60198181

Germany
Honeywell AG
Kaiserleistrasse 39
63067 Offenbach
Phone: (49) 69 80640
Fax: (49) 69 818620

Hungary
Honeywell Kft.
Gogol u. 13
1133 Budapest
Phone: (36) 1 4514300
Fax: (36) 1 4514343

Italy
Honeywell S.p.A.
Via Gobetti, 2b
20063 Cernusco sul Naviglio
Phone: (39) 02 921461
Fax: (39) 02 92146888

Netherlands
Honeywell B.V.
Laarderhoogtweg 18
1101 EA Amsterdam Z.O.
Phone: (31) 20 5656911
Fax: (31) 20 5656600

Norway
Honeywell A/S
Askerveien 61
1371 Asker
Phone: (47) 66 762000
Fax: (47) 66 762090

Poland
Honeywell sp. z.o.o.
ul. Domaniewska 41
(Budynek Mars)
02-672 Warsaw
Phone: (48) 22 6060900
Fax: (48) 22 6060901

Portugal
Honeywell Portugal Lda
Edificio Suecia II
Av do Forte Nr. 3 - Piso 3
2795 Carnaxide
Phone: (351) 1 4245000
Fax: (351) 1 4245099

Romania
Honeywell Controls S.R.L.
Aurel Vlaicu str. 147, sc.2, ap. 61/62
72411 Bucharest
Phone: (40) 1 2110076
Fax: (40) 1 2103375

Russia
Honeywell Inc.
4th floor, Administrative Bldg.
of AO "Luzhniki" Management
Luzhniki 24
119048 Moscow
Phone: (7) 095 7969800/01
Fax: (7) 095 7969891/92

Slovak Republic
Honeywell Ltd
Mlynske nivy 73
PO Box 75
82007 Bratislava 27
Phone: (421) 7 58247400/425
Fax: (421) 7 58247415

Spain
Honeywell S.A.
Josefa Valcárcel, 24
28027 Madrid
Phone: (34) 913 136100
Fax: (34) 913 136127

Sweden
Honeywell A.B.
Storstragrand 5
12786 Skarholmen / Stockholm
Phone: (46) 8 7755500
Fax: (46) 8 7755600

Switzerland
Honeywell AG
Hertistrasse 2
8304 Wallisellen
Phone: (41) 1 8392525
Fax: (41) 1 8310157

Turkey
Honeywell Otomasyon Ve Kontrol
Sistemleri San. Ve Tic. A.S.
Cayiryolu Sok. (Halyolu)
Ucgen Plaza No: 7, Kat 5-6-7
Icerenkoy 81120 / Istanbul
Phone: (90) 216 4644774
Fax: (90) 216 4644794

Ukraine
Honeywell
Zhelyabova 8/4
252680 Kiev
Phone: (38) 044 2419195
Fax: (38) 044 4467211

United Kingdom
Honeywell Control Systems Ltd.
Honeywell House
Arlington Business Park
Bracknell, Berkshire RG12 1EB
Phone: (44) 1344 656000
Fax: (44) 1344 656240

Middle East Headquarters

Honeywell Middle East Ltd.
Khalifa St.
Sheikh Faisal Building
Abu Dhabi, United Arab Emirates
Phone: (971) 2 272533
Fax: (971) 2 269539

**Distributors &
Africa Headquarters**

Honeywell S.p.A.
International Operations
Via Gobetti, 2b
20063 Cernusco sul Naviglio
Phone: (39) 2 921461
Fax: (39) 2 92146888

South Africa

Honeywell Southern Area (Pty) Ltd.
PO Box 66 74
Midrand 1685
Phone: (27) 11 8051201
Fax: (27) 11 8051554

Asia Pacific Headquarters

Honeywell Asia Pacific Inc.
Suite 3213-15
Sun Hung Kai Centre
30 Harbour Road, Wanchai
Hong Kong
Phone: (852) 28 298298
Fax: (852) 28 241126

Honeywell

CE

Home and Building Control Products
Honeywell AG
Böblinger Strasse 17
D-71101 Schönaich
Phone: (49) 7031 63701
Fax: (49) 7031 637493
http://europe.hbc.honeywell.com

EXCEL 5000 OPEN SYSTEM

LonMark Sponsor

The whole world of Building Management.

While control technology may have changed dramatically over the past 100 years at Honeywell, we are still as committed as ever to developing new ideas, new applications and new solutions.

No matter the size or the individuality of a building, we always bring to it a combination of international resources and local responsiveness – it's a philosophy that has stood the sternest test of all – time.

Like people, buildings are quite unique, and whether you're planning to construct a shop, a hotel, a school, an office complex, an industrial plant or even an airport we will provide whatever option is needed, be it a small stand-alone system or a full HVAC, fire and security system integrated with other third-party products.

The ideal working environment is the one in which people and systems work most effectively.
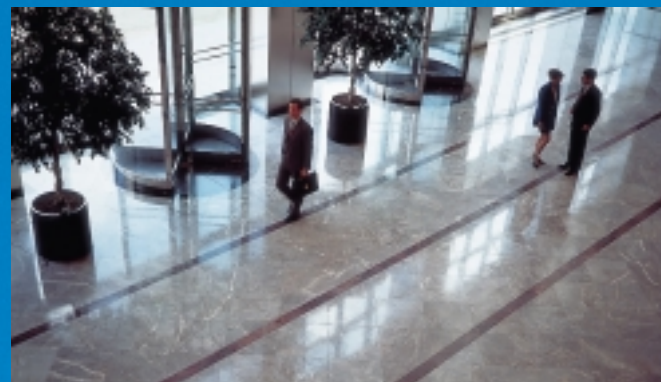
Quite simply, if the environment feels more comfortable and is managed more efficiently, then productivity and cost savings improve. Which in turn means the more advanced and sympathetic the control system, the healthier it is for business.

Honeywell's EXCEL 5000 system not only incorporates the latest technology, it can be tailored to provide the exact solution for any building or complex, large or small.

Building management is operating most effectively when you are not aware of its existence.

Digital control gives immediate response to rapid changes in condition and ensures continuous comfort.

Flexibility is the key

Flexibility is the key

EXCEL 5000 is Honeywell's concept aimed at fulfilling the exact needs of building management. It's an architecture, an integrated range of hardware and software, a computer aided development environment, and a commitment to "openness."

Growing with your needs

EXCEL 5000's architecture provides the essential flexibility to meet today's and tomorrow's rapidly changing needs – as your needs grow and change, your system and its functionality are expanded by building on existing elements. Honeywell guarantees a high degree of system security.

Integration

Being a highly integrated building management system, EXCEL 5000 is able to deliver greater operational flexibility to any building right from the start. Elements of the system architecture will interact to achieve your integration needs, HVAC, energy management, lighting, access control, fire and security.

Openness

Our customers demand "future-open" communication within buildings and interoperability between products of different vendors. We have therefore driven the development of communications standards in building management, with Honeywell being an official sponsor of LONMARK and the BACnet Interest Group e.V. Our LONMARK range of products guarantee seamless interoperation with LONMARK compliant devices of other manufacturers.

Honeywell Openness means not only compliance with open standards but also the ability to integrate all Honeywell building management systems since 1970.

LONMARK SPONSOR

BACnet Interest Group e.V.

Advanced HVAC is possible in small buildings through mini-controllers. Remote control via modem, fax and pager is also possible.

Maximum flexibility is offered in large building complexes through a network of Direct Digital Controllers.

Keeping things simple

The consistent approach

One of the first things you will appreciate about the components of your EXCEL 5000 system is their simplicity and ease-of-operation. Throughout the range, from the desktop LCD displays to the fully integrated supervisors, consistent user interfaces provide intuitive and rapid access to complex building technology for engineers, building managers and operators.
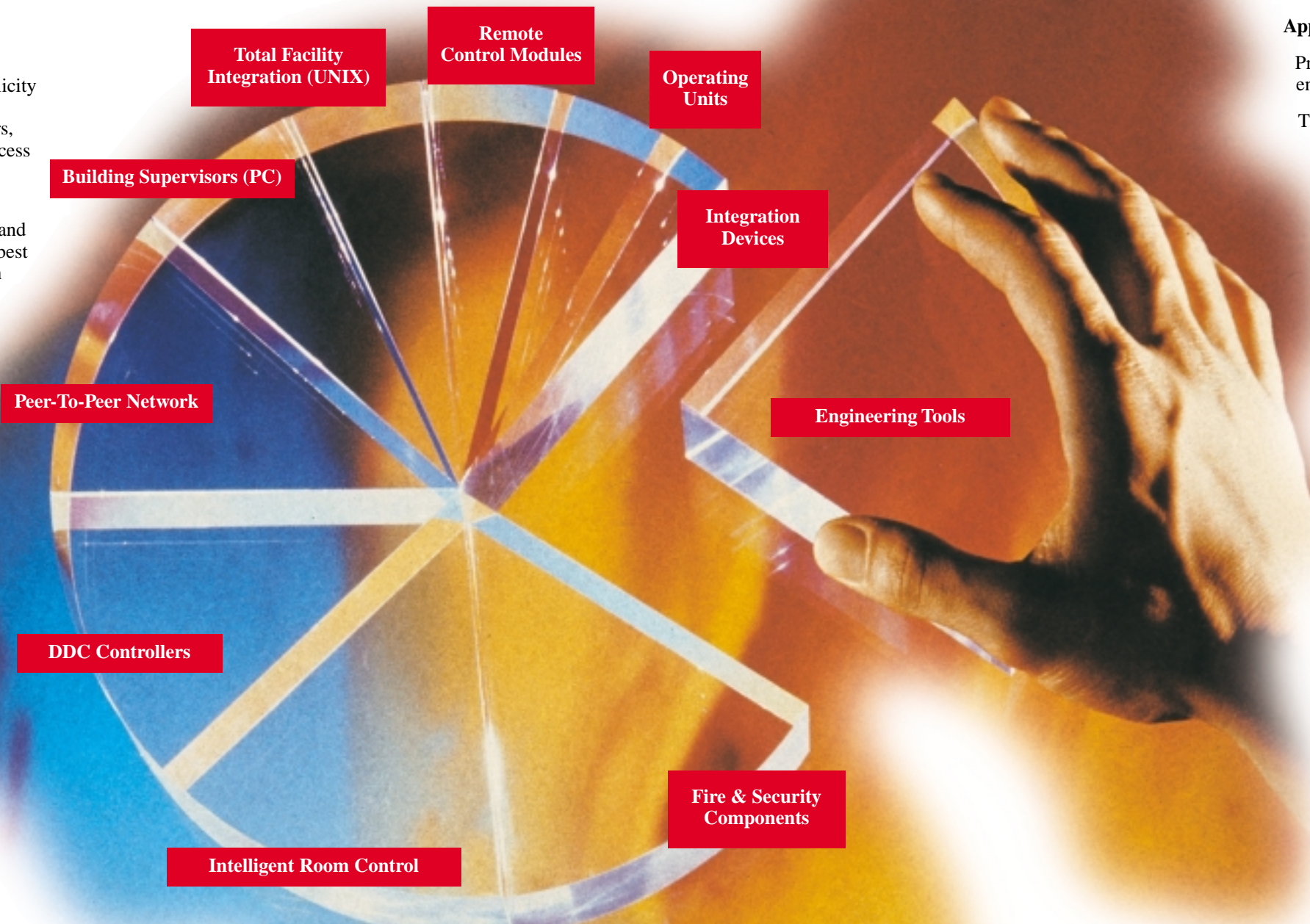
You benefit through more effective use of your system and by reduced need for training on multiple systems. And best of all, you benefit from the increased confidence which comes from the use of a single, integrated system.

Flexible engineering

Since EXCEL 5000 systems are designed to be flexible and expandable, they can be upgraded or modified when required with minimum software or hardware redundancy.

And when it comes to systems engineering, the choice is again yours – for commonly used HVAC applications proven packages are available. Furthermore, a Modular Application Library with a variety of software modules allows you to easily create specific applications.

For freely programmed applications, Excel CARE, a Windows-based userfriendly engineering tool, streamlines the once time-consuming tasks of engineering, documenting and commissioning a new DDC system. It generates ready to run application programmes, that can be redesigned or modified as needs change, through a simple graphical interface.

Protecting your investment

Applications

Protection of your investment starts with the engineering of your system.

The use of standard applications, Modular Application Library and free programming with Excel CARE creates the freedom to choose who develops applications.
They ensure a consistant, high quality output and the ability to re-use existing, pre-tested design investments whilst at the same time reducing project timescales and expensive call-backs.

Operating costs

Intelligent EXCEL 5000 components save money daily through optimised configuration, minimised installation costs, integrated energy management, fire and security and predictive maintenance functions, and many more.
All components fit together to provide a consistent and intuitive interface to all building management functions.
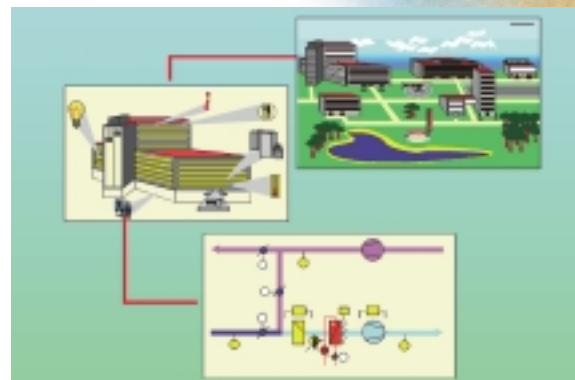
Long-term security

Securing your investment is always one of our prime objectives. This is why EXCEL 5000 provides integration with previous Honeywell systems and ensures a planned upgrade path for the extended life of your system. Using the global communications standards LONMARK and BACnet furthermore guarantee future-safe solutions.

Total Facility Integration (UNIX)

Remote Control Modules

Operating Units

Building Supervisors (PC)

Integration Devices

Peer-To-Peer Network

Engineering Tools

DDC Controllers

Fire & Security Components

Intelligent Room Control

All EXCEL 5000 operator interfaces, from keypad displays to PC-based supervisors are visual, intuitive and interactive.

Consistent user interfaces permit remote control of multiple buildings, irrespective of location, at all levels.

EXCEL 5000's architecture provides integration of all building management functions with a high degree of flexibility and system security.

Free programming with CARE, Modular Application Library and proven applications – you always benefit from Honeywell's know-how and experience.

Energy Management

Service Management

Access Control

HVAC

Fire & Security

Excel Care

Modular Application Library

Proven Applications

Honeywell – partnership assured

Operating for over 100 years as a controls company is not, of course, a virtue in itself. Today at Honeywell we're as committed as ever to developing new ideas, new applications and new solutions, and once a solution has been agreed, we'll work in partnership with the client to manage and install the project quickly, efficiently and with the minimum disruption.

Indeed, the tradition of partnership between ourselves and our customers has never been stronger.

Availability

Whatever the case, our products and systems can meet the most specific needs, and what's more, they are available from a network of local sales and service offices and distributers strategically located in major cities throughout Europe.

Such is their outstanding quality and flexibility, Honeywell products and systems also play an important role in helping Original Equipment Manufacturers, systems companies and systems houses.

Project management

Honeywell's comprehensive capabilities extends far beyond just producing excellent products and systems and offering installation and commissioning. Our project management includes

– complete documentation
– control of subcontractors
– timely completion

all to the stringent quality standards which have become a distinguishing feature of Honeywell.

Service assured

We believe it takes more than an outstanding control system to make a control system outstanding. The resources behind it should be every bit as exceptional.

Who is better placed than Honeywell to support systems where temperature, pressure, flow or humidity are essential to the efficiency of the plant or production process!

All these activities are provided by a service organisation network which is both local, national and international; which shares a common, company-wide commitment to quality; and which offers a single point of responsibility.

Training assured

With investment in training considered more important than ever before, our engineers are trained to the highest standards. And not only on Honeywell systems, but on other manufacturers' systems too.

Similarly, our professionally staffed training centres offer courses for customers and their employees, while installers and system houses can also benefit from the specialised courses that are available for them.

Quality assured

Local authorities, architects, designers, consultants, contractors, OEMs, systems houses and end users all consider Honeywell an integral part of their team, but different though our users may be, there are three requirements which they all share:

– the quality Honeywell imparts to every product or system
– the responsiveness we offer every customer and
– the responsibility we bear towards every project

It goes without saying that our Quality Management System is certified according to DIN EN ISO 9001/14001.

Honeywell EXCEL 5000 – confidence assured

57,000 employees in 95 countries around the World are dedicated to the principles of Customer Delight and Leadership in Control.

Honeywell's commitment to long-term support means that EXCEL 5000 minimises project risks and protects owners' investments.

Honeywell training centres provide education for both customers and Honeywell staff, thus ensuring quality is maintained.

The tradition of Partnership between Honeywell and our customers has never been stronger.

The EXCEL 5000 system

… is the architecture that represents Honeywell's technological leadership and philosophy of flexible, simple and economical building management solutions.

It provides a powerful platform for the open integration of Honeywell systems and other manufacturers' products through a single graphical window. With its own range of expert engineering tools to simplify design, specification and installation, EXCEL 5000 minimises project risks and protects owners' investments.

The **XIP 100** alarm interface provides low-cost access to remote buildings for alarm monitoring and reporting. XIP 100 sends alarm messages and status information from Excel controllers via the telephone network to a pager or fax and also informs you via voice.

Excel EI-Connect is a protocol that permits integration of EXCEL 5000 products into other manufacturers' building management systems.
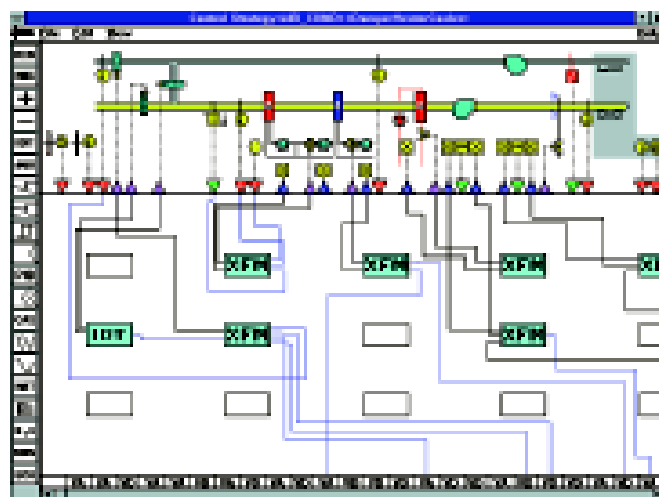
Excel Building Supervisor can communicate on the C-Bus network to the Excel 50, 100, 500 and 600 Direct Digital Controllers (DDC) and to LONWORKS-based devices. It integrates former Honeywell building management systems. Excel Building Supervisor can be configured as an entry-level text display central operator interface or as a fully functional graphics terminal. LAN communication capabilities, based on Windows NT, include Ethernet and Token Ring options allowing distributed workstations in a multiple building campus.

Excel CARE is a Windows®-based expert engineering tool which generates ready-to-run application programmes through a simple graphical interface. As part of the design process, Excel CARE automatically creates comprehensive documentation and materials listings.

The same tool may be used – in dynamic mode – to complete the commissioning process.

The **Excel Facility Integrator** is a most scalable high performance building management and integration platform. Its UNIX operating system, industrial standard TCP/IP LAN technology, relational database system and high performance graphic allows Honeywell to address the whole bandwidth of costumer demands. The Excel Facility Integrator integrates former Honeywell building management systems as well as the most state of the art Honeywell DDC technology. It provides access to various systems from third party vendors such as HVAC, Fire & Security, Access Control and more. It offers homogenious "Single-window" for Building and Facility Management and is designed to adapt to future technology.

Excel Security Manager is a flexible and scalable system able to integrate with a wide range of devices for security management, access control, surveillance and safety management. It operates under Windows NT as well as SCO UNIX operating systems. It can be perfectly tailored to specific customer needs.

The **Communication-Bus** (C-Bus) system is Honeywell's simple, reliable and inexpensive peer-to-peer network providing distributed Direct Digital Control for HVAC and building management.

The **Excel Open Link** controller allows integration of third-party devices into Honeywell`s EXCEL 5000 building management system.

Excel IRC is an Intelligent Room Control system capable of providing everything from single loop unitary control to integration into a fully integrated building automation system.

Excel 50 is Honeywell`s latest controller, enabling you to simply 'Dial-An-Application' out of his comprehensive range of built-in applications.

Excel 100 is a programmable single board DDC controller.

Excel 500 Smart, Excel 500 and Excel 600 are programmable, modular DDC controllers that manage building control functions. They may be configured through a family of input/output modules. Excel 600, differing from Excel 500 only by a CPU with an extremely fast 32-bit microprocessor, is designed to monitor specific time critical processes.

Honeywell's **Fire and Security Systems** are designed with integration in mind. You benefit through single point of contact and single operating method for a variety of systems: Fire Alarm, Access Control, Closed Circuit Television, Point Monitoring, Perimeter and Photo ID Production, Visitor Management and many more.

Excel 10 is a range of devices for Room and Zone Control. All Excel 10 controllers are LONMARK compliant and interoperate with third party products for lighting, sunblind etc. Enhanced functionality and reduced building-life-cycle cost are therefore assured.

Besides the comprehensive existing portfolio of **Field Devices** Honeywell offers a range of LONMARK compliant products, from valve & actuator combinations to I/O modules to sensors to inverters.

LONMARK and LONWORKS are registered trademarks of the Echelon corporation.
BACnet is a trademark of ASHRAE.
Windows is a registered trademark of Microsoft Corporation.
Comfort from Experience is a trademark of Honeywell Inc.
EXCEL 5000 system is a registered trademark of Honeywell Inc.
Products of other manufactures stated in this brochure are trademarks or registered trademarks.

EXCEL 5000 OPEN™ SYSTEM

The whole world of Building Management

⊘BACnet™

3rd Party Central

Excel EI Connect

Pager Voice

Fax Dial-in

Dial-up

XIP 100

Excel Building Supervisor

3rd Party Integration

Migration

Excel Facility Integrator

3rd Party Integration

Migration

Excel Security Manager

C-Bus

Dial-up

Dial-up

Dial-up

Dial-up

Excel 50

Excel 100

Excel 500 Smart

Excel 500

Excel 600

Fire & Security Systems

Excel Open Link

Excel IRC

3rd Party Systems

Excel 10 FCU

Excel 10 Smart VAV

Excel 10 VAV

Excel 10 CVAHU

Excel 10 UVC

Excel 10 I/O-Module

Excel 10 Hydronic

Excel 10 Chilled Ceiling

Excel 50

Digital Input/Output Module

Distributed I/O Module

Large Linear Valve & Actuator

Small Linear Valve & Actuator

Pressure/ Temperature Sensors

Inverter

3rd Party Products