HEATING, VENTILATION,
AIR-CONDITIONING CONTROL

Patented Simplicity

Excel 800 – Patented simplicity

Save your time

Honeywell's Panel-bus offers a set of innovative, patented features that dramatically reduce cost and effort for installation and commissioning.

1. **Mounting** in a cabinet is done by simply clicking the controller and its I/O modules onto the DIN rail.

2. **Connecting** controller and module sockets – it's all done with one click!

Excel 800 provides highly cost-effective programmable control for heating, ventilation and air conditioning (HVAC) systems. It provides excellent value during installation and long-term operation.

It comprises a technically advanced, freely programmable controller and a set of specially designed input/output modules.

The Excel 800 system can operate via Panel-bus, yielding huge installation and commissioning cost savings due to new, patented technologies, while offering easy integration and operation of distributed I/O modules utilizing the LONWORKS® communication standard.

3. Wiring time is five times faster with the new Push-In-terminals compared to traditional screw terminals.

4. Adding electronic modules is easily done by plugging them onto their sockets.

5. Addressing of Panel I/O modules is done via a simple HEX switch, completely avoiding manual commissioning.

An intelligent package

The Excel 800 controller not only provides a new and innovative way of installing, wiring and commissioning HVAC systems, but also features the very best software components for your heating, ventilation and air-conditioning applications:

- Minimized training efforts due to 100 % reuseability of existing applications
- Covering all your application requirements due to the flexible Input/Output Module mix
- Utmost flexibility to design and

control your most complex applications through doubled memory size (compared to Excel 500)
- State-of-the-art control of critical applications thanks to extremely short cycle times (even 50 % shorter than Excel 500).
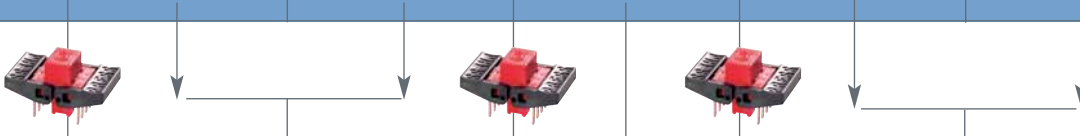
LONWORKS®-bus
Open communication for easy integration in any system.

C-bus
to upgrade from and operate with existing Honeywell installations, thereby protecting your investment.

Modem
for remote operation, reducing service cost.

Operating units
for commissioning and operating the system, e.g. a laptop or the Honeywell XI582.

Panel-bus
yielding all the cost-saving benefits of this new, patented and highly reliable Honeywell technology.

	Analog Input	Analog Output	Binary Input	Relay Output	Floating Output
LON		XFLR822A		XFLR824A	
	XFL821A	XFL822A	XFL823A	XFL824A	
Panel Bus		XFR822A		XFR824A	XFR825A
	XF821A	XF822A	XF823A	XF824A	

XCL8010A	XS821-22	XS823	XS824-25
Controller	Terminal socket	Terminal socket	Terminal socket

Controller, electronic modules and terminal sockets

Some special features of Excel 800 Input/Output modules include:

- Auto-commissioning of I/O modules
- Automatic software updates of I/O modules through controller
- Input modules support a wide range of sensors

- Alarm LEDs are individually selectable per input module
- Maximum wiring flexibility due to optional auxilliary terminals
- Auto-safety-positioning of output signals in case of bus interruption

- Optional I/O modules utilizing manual overrides
- Auxiliary modules for easy wiring & installation (auxiliary terminals, manual disconnectors)

A complete life-cycle solution

Engineering ❯	Installation ❯	Commissioning ❯

Proven Applications ❯ Application Library ❯ Excel Care

More than 6 million building installations worldwide provide you with the best in engineering:

- Proven solutions are available for common HVAC applications
- Adapting applications to specific needs is simply done via an Application Library
- Utmost felxibility is achieved through free programming with Honeywell's Excel Care engineering tool.

Installation is faster than ever before, as the Input/Output modules allow 'Click N'Go' installation in the panel or distributed placement in the building using LonWorks®, the global industry standard.

Commissioning is automatically performed by the controller: all you need to do is to set the correct module address via HEX switch.

Operation and Service ❯ **Investment protection** ❯

Excel 800 is part of Honeywell's EXCEL 5000 OPEN™ system, a powerful platform safeguarding your investment, as it is open to integrate IP, BACnet®, LonWorks®, OPC, C-bus and other networks.

Reliable operation is secured at minimum cost:

- All modules can be changed without disrupting the power and bus connections: simply unplug the 'old' and insert the 'new'.
- Software updates for modules are managed automatically by the system.
- LEDs provide status information.

LAN

BNA   EBI

C-Bus

Excel 800   Excel 50

LonWorks®

Excel 800 I/0 Modules   Excel 10/12   Field Devices
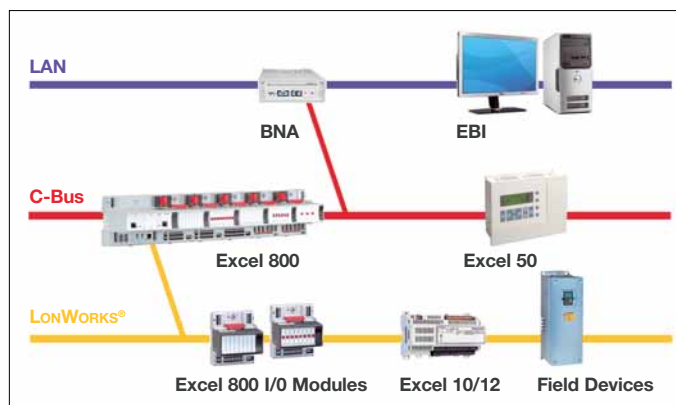
Honeywell

Your Honeywell contact

Automation and Control Solutions

Honeywell GmbH

Böblinger Strasse 17

71101 Schönaich

Telefon (49) 70 31 6 37 01

Telefax (49) 70 31 6 37 4 93

www.honeywell.com

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