

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.

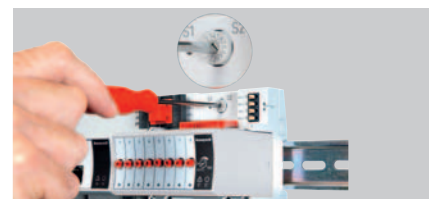
The Excel 800 system can operate via Panel-bus, yielding huge installation and commissioning cost savings due to new, patented technologies, while offering easy integration and operation of distributed I/O modules utilizing the LonWORKS® communication standard.



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.



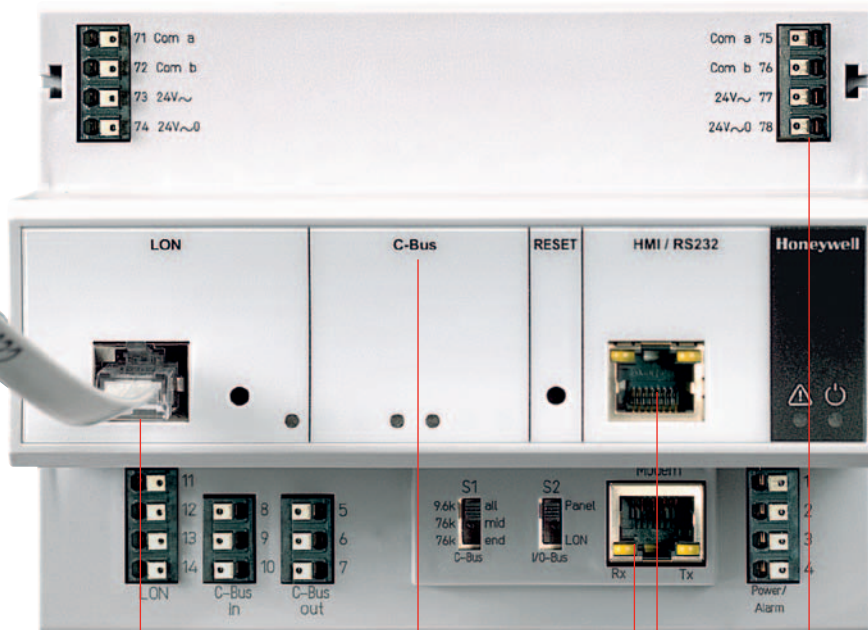
An intelligent package

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	Mixed I/O Modules
LON	 XFL821A	 XFL822A	 XFL823A	 XFL824A		
Panel Bus	 XF821A	 XFR822A  XF822A	 XF823A	 XFR824A  XF824A	 XFR825A	 XF830A (push-in terminals)  XFU830A (screw terminals)
						
 XCL8010A Controller	 XS821-22 Terminal socket	 XS823 Terminal socket	 XS824-25 Terminal socket			
(all terminal sockets also available as screw terminal (XSU821-25))						

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 auxiliary 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



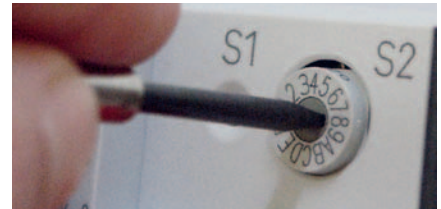
Commissioning



Proven Applications

Application Library

Excel Care

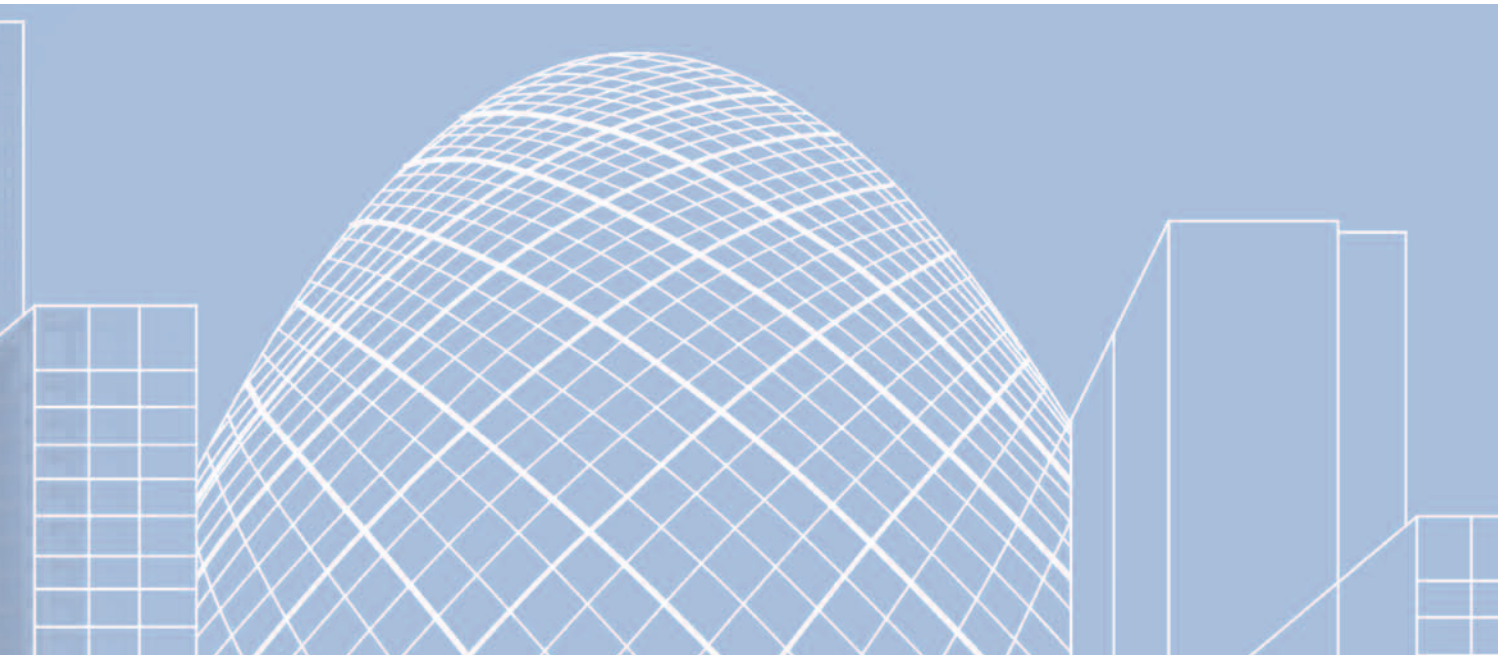


More than 6 million building installations worldwide provide you with the best in engineering:

- Proven solutions are available for common HVAC applications
- Adapting applications to specific needs is simply done via an Application Library
- Utmost flexibility 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



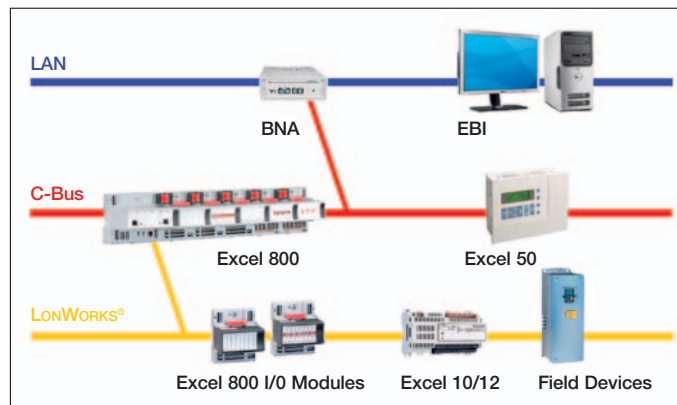
Investment protection



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.



Find out more

For more information on Honeywell solutions visit us online at <http://ecc.emea.honeywell.com>

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