Excel 10™ Unit Ventilator Controller
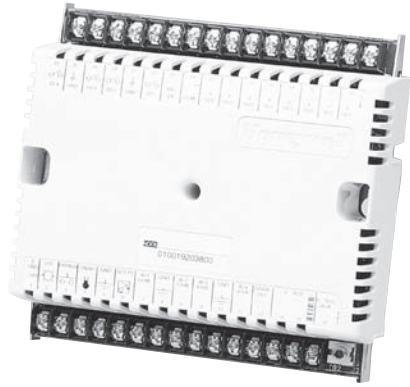
Honeywell

For cost-effective control of unit ventilators, there's only one solution: the Honeywell Excel 10™ Unit Ventilator Controller. With its flexible design and open system, the Excel 10 Unit Ventilator Controller makes specifying a controller easier than ever, so you'll also increase productivity by optimizing your estimating, procurement and engineering time.

Advanced Controllers For Specific Applications

Specifying a controller for any standard unit ventilator has never been easier thanks to Honeywell's Excel 10™ Unit Ventilator (UV) Controller. The affordable UV Controller features a flexible design that supports all standard unit ventilator applications to keep estimating, procurement and engineering time to a minimum. Its single zone direct digital ventilation control is proven and precise, ensuring trouble-free installation and optimum UV operation.

A single model covers various applications including ASHRAE cycles I, II and III. When used with other Honeywell Light Commercial Building Solution controllers and a centrally-located LonStation front end, the UV Controller provides an excellent, low-cost control solution for small to medium commercial buildings.

THE OPEN SYSTEM ADVANTAGE

The UV Controller uses the standard Echelon® LonMark® Unit Ventilator funtional profile for openness and interoperability with third-party LonMark devices.

INSTALLATION FLEXIBILITY

Extended operating temperature rating (-40º to +150º F) ensures worry-free operation even in extreme hot or cold environments, regardless of the installation site.

ENERGY-SAVING AND IAQ OPTIONS

Smart options put you in control of energy savings and indoor air quality. Maximize your energy savings with automatic space temperature setpoint reset. Introduce fresh outside air for improved indoor air quality by resetting the economizer minimum position.

EXCEL 10™ UNIT VENTILATOR CONTROLLER HIGHLIGHTS

The Excel 10 Unit Ventilator Controller is a configurable direct digital controller for all standard unit ventilator applications. All Excel 10 controllers are part of the Light Commercial Building Solution and are supported by the LonStation front-end software. Because they reside on the Echelon® LonWorks® network, the controllers fit perfectly in Honeywell's worldwide architecture and with third-party LonMark-compliant devices.

APPLICATIONS SUPPORTED

W7753A Unit Ventilator Controller

- UVs with up to two stages heat/cool
- UVs with floating heat/cool/economizer
- UVs with pulse width modulating (PWM) heat/cool/ economizer
- ASHRAE Cycles I, II and III
- Two unused digital outputs can be used as free points controlled by the network for lighting, exhaust fans.

OPTIONAL FEATURES

- Indoor air quality control using an external sensor/controller and economizer minimum position reset
- Energy-saving setpoints for heating/cooling in occupied/unoccupied and standby modes
- Control sequence shut down via window/door open digital input

CONTROLLER HARDWARE

Excel 10 UV Controllers are powered by standard, off-the-shelf 24 VAC power. The hardware is rated for extended temperature operation from -40º to +150º F.

The controller includes:

- 14 AWG maximum wire size terminals for soft field wiring
- On-board network jacks for quick commissioning and troubleshooting
- On-board status LED confirms normal functioning at a glance
- UL94-5V flame-retardant construction

LonMark® is a registered trademark of Echelon Corporation.

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63-9037
04/05