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## **Save Energy, Improve Effectiveness with the Right Rooftop Unit Controller**

DALLAS, TX – July 10, 2008 – Choosing a packaged rooftop unit with an intelligent direct digital control (DDC) unit controller can improve operational effectiveness and energy savings to help businesses enhance their bottom line, says Mark Hess, Lennox Product Manager for Commercial Controls. By providing diagnostic information that allows technicians to quickly identify and solve problems, the unit controller can enhance overall performance, improve comfort, increase energy savings and reduce labor costs.

Here are a few tips for choosing a smart, user-friendly unit controller to help save money and improve efficiency:

- 1. Select a factory-mounted unit controller developed specifically for that piece of equipment**

Many generic controllers available on the market today can control a wide variety of equipment types; however, a controller designed to control a specific model of equipment can optimize that unit's operation. The controller can leverage factory-installed sensors that are placed as the unit is built and can control the unit to operate as specified. Also, the controller is typically tested with the unit before leaving the factory to ensure proper operation and reduce issues in the field.

- 2. Choose a controller with a user-friendly, intuitive interface**

It's critical that the controller have an intuitive control interface to ensure proper configuration, installation and troubleshooting of the equipment, regardless of a

technician's level of knowledge or experience. The interface should provide the flexibility to make changes at the controller itself, or by using software when a computer interface is required.

### **3. Purchase a unit controller that can easily integrate with other systems**

Building owners often want to tie in multiple systems to achieve centralized control, as well as leverage operational costs across those systems. Select a unit controller that is available from the factory using an open, standard protocol such as BACnet®\* or LonTalk®\* to communicate with a building automation system. Open protocols can be used to monitor and control HVAC, fire and life safety systems, access/security control systems, lighting control systems and maintenance management systems on the same network.

### **4. Insist on simplified diagnostics and problem solving**

With simple, easily accessible diagnostic information, technicians are able to quickly identify and address problems. The result can be a significant reduction in labor costs and less equipment downtime. Automatic alarms and diagnostics enhance the ability to quickly identify and/or prevent problems and troubleshoot the unit.

### **5. Look for the ability to connect to the unit controller locally and remotely**

It's vital to minimize costs while keeping equipment up and running. The ability to remotely connect to the unit controller via computer can help reduce labor expenses and equipment downtime. With remote access capability, many problems can be addressed without having to dispatch a technician to the site. If an on-site visit is necessary, the technician can be familiar with the problem and can come prepared with the appropriate tools and components, which may reduce the number of trips needed and allow technicians to better prioritize their time.

The recently updated Integrated Modular Controller (IMC) from Lennox includes a variety of features that significantly reduce troubleshooting time, easily integrate with open protocol networks and enable local and remote access. The IMC is a standard feature on all Lennox premium rooftop units, such as the [Strategos™ line of rooftop units](#) and [L Series® rooftop units](#), and includes:

- More than 200 control parameters that are factory-set for typical applications to ease the commissioning process

- *Now featuring enhanced economizer control to optimize energy efficiency*
- Ability to easily configure the unit at the controller, or using local or remote computer software to meet custom project requirements
  - *Now featuring scrolling display to aid in commissioning and trouble-shooting*
- LonTalk and BACnet open protocol options from the factory, allowing integration with other building systems
  - *BACnet option now features adjustable communication rates and enhanced economizer control*
- Over 100 unit diagnostic codes to aid in troubleshooting at the controller, or using local or remote computer software

For more information about the [Strategos™ line of rooftop units](#) and other products that feature the Integrated Modular Controller, please call 1-800-9-LENNOX or visit [www.lennoxcommercial.com](http://www.lennoxcommercial.com).

#### **About Lennox International Inc. (LII)**

A worldwide leader in heating and air conditioning systems, LII Residential and LII Commercial Heating & Cooling are based near Dallas, Texas, and are part of Lennox International Inc. Deeply committed to helping consumers and businesses reduce energy needs and lessen their environmental impact, the company offers a wide range of resources for improving efficiency, including a selection of ENERGY STAR® qualified products. Lennox International stock is traded on the New York Stock Exchange under the symbol "LII." Learn more about Lennox International at [www.lennoxinternational.com](http://www.lennoxinternational.com). For more about Lennox, contact a Lennox field sales representative or visit [www.lennox.com](http://www.lennox.com).

If you'd like more information on how to increase your efficiency and performance using controls, contact Lennox at 1-800-9-Lennox or visit [www.lennox.com](http://www.lennox.com)

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