



SYSTEMS INTEGRATION SOLUTIONS

Commercial Controls

Flexibility to meet your unique needs



LENNOX
Innovation never felt so good.™

FLEXIBILITY TO PICK THE RIGHT SOLUTION FOR YOUR NEEDS

Systems Integration Solutions at a glance:

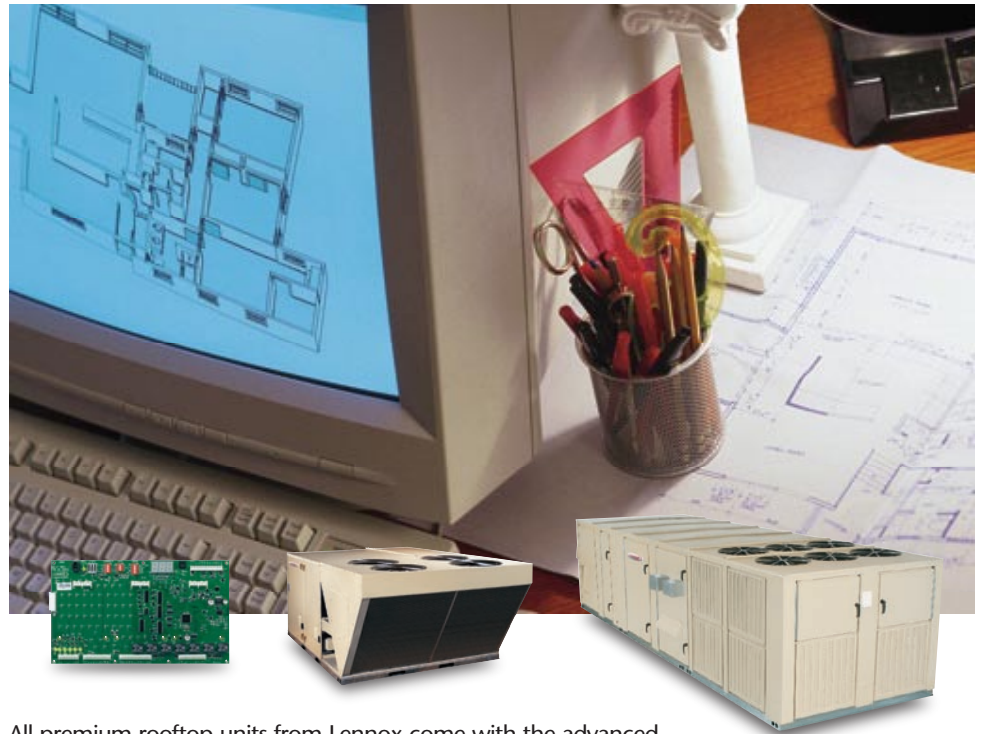
*Supports BACnet® and LonTalk® –
the most popular industry
open-standard protocols*

*Compatible with most major building
automation system suppliers*

*Allows two-way communication for
system monitoring, diagnostics, and
remote troubleshooting*

*IMC LonTalk Module communicates
with systems supporting LonMark® Space
Comfort Controller or Discharge Air
Controller functional profiles*

*IMC BACnet Module communicates with
systems supporting BACnet Application
Specific Controller device profile*



All premium rooftop units from Lennox come with the advanced Integrated Modular Controller (IMC). This unit controller allows users to configure units to their specific needs and to receive detailed diagnostic information, ensuring that the units perform to their expectations. Add-on modules allow users to communicate with the IMC using BACnet or LonTalk open-standard technology. This allows building owners to select the best products for their application and integrate them using proven technology with ample industry support.



Fire



Lighting



Security



HVAC

Build the best system to meet *your* needs

Lennox understands that your building's operation relies on more than just HVAC. You need to maintain lighting, security, fire and life safety, and any number of other products and systems. You can depend on Lennox for quality HVAC equipment, but you have other trusted sources for the products and services that Lennox does not provide. Now that you've sourced the best products available, you want them to work together as one cohesive system. Open-standard protocols allow you to integrate devices or systems from different vendors into a single system using a common language, or "protocol."

This systems integration, or "interoperability," allows a facility manager to monitor and control many aspects of your building through a common interface. The facility manager can use one software package to monitor diverse systems in multiple locations, and to make adjustments to those systems to maximize comfort and efficiency in your buildings.

BACnet is a registered trademark of ASHRAE.
LonMark and LonTalk are registered
trademarks of the Echelon Corporation.

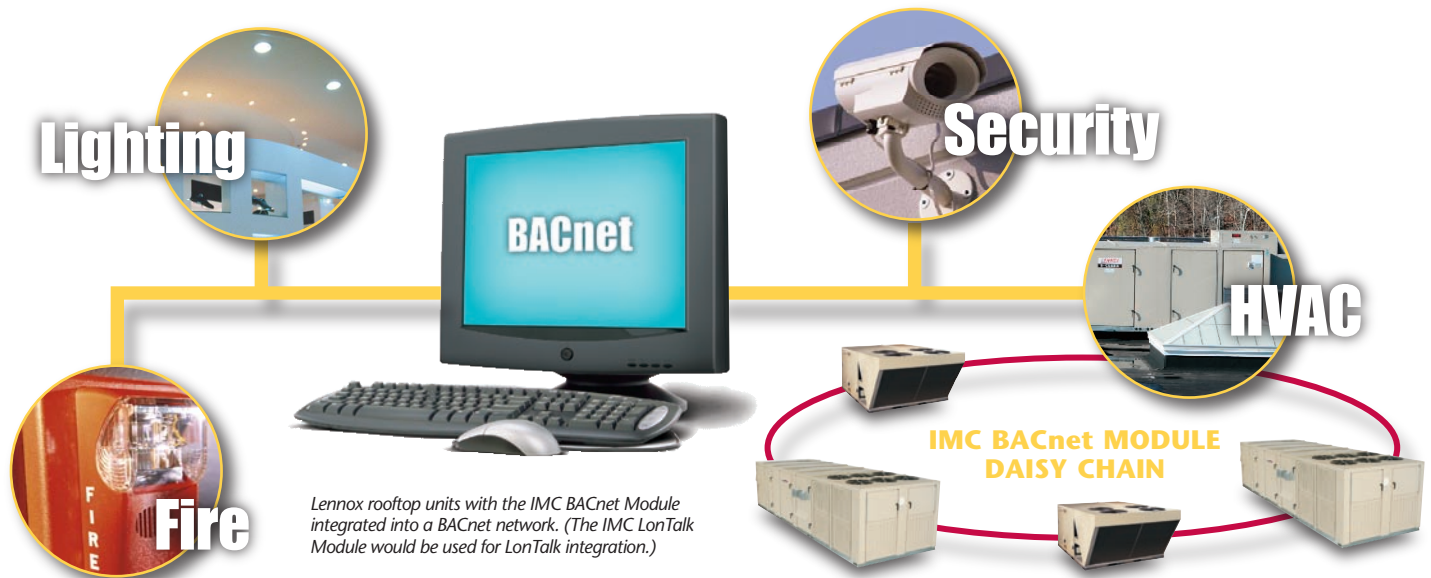
Open-standard protocols

BACnet® and LonTalk® are the most popular open-standard protocols in the building automation industry. They are considered “open” because they are openly available for use by virtually any manufacturer. They have also been adopted as “standards” by various independent industry organizations.

BACnet (Building Automation and Control Network) was created as a standard protocol that brought all of the elements of building automation and control together on a single network. It was created and continues to be maintained by ASHRAE (American Society of Heating, Refrigeration, and Air Conditioning Engineers) -sponsored committees. BACnet has been approved by national and international standards organizations, including ASHRAE,

ISO (International Organization for Standardization) and ANSI (American National Standards Institute), and it's a European standard.

The other open-standard protocol commonly used for commercial building automation is called LonTalk (LON is an acronym for “local operating network”). LonTalk was created independently by a company called Echelon. It has since become an EIA (Electronics Industry Alliance) and ANSI/CEA (Consumer Electronics Association) standard that has been, and continues to be, influenced by the industry. It's also a European standard. LonMark® is an industry association established to further LonTalk technology by shaping standards, creating specification tools and promoting LonTalk to the industry.



Harnessing the power of the IMC

All Lennox® premium rooftop units come with the IMC as the standard unit controller. With more than 200 configuration parameters and over 100 diagnostic codes, the IMC provides superior flexibility and control for rooftop applications that set Lennox apart from the competition.

The IMC BACnet Module and the IMC LonTalk Module allow the IMC to communicate with third-party BACnet or LonTalk automation systems. Either module can be added in the factory.

These modules allow the user access to all of the IMC diagnostic information and gives them the ability to monitor and control the most commonly used setpoints.

The IMC BACnet Module communicates with building automation systems that support the BACnet Application Specific Controller device profile. A Lennox zone sensor, BACnet network zone sensor, or a BACnet thermostat or controller may be used to send the zone temperature or thermostat demands to the IMC. A BACnet Protocol Implementation Conformance Statement (PICS) is available upon request from your local Lennox representative.

The IMC LonTalk Module communicates with building automation systems that support the LonMark Space Comfort Controller or Discharge Air Controller functional profiles. A Lennox zone sensor or a LonTalk network zone sensor may be used to send the zone temperature to the IMC.

SOLUTIONS FOR CUSTOMIZED COMFORT



Don't just choose a Lennox® product...choose a Lennox Commercial Comfort System. These complete packages of HVAC solutions provide tools to create a healthier and more comfortable environment.

Packaged Units

- Strategos™ Rooftop Units
- S-Class™ Rooftop Units
- Landmark™ Rooftop Units
- L Series® Rooftop Units
- T-Class™ Rooftop Units

Split Systems

- S-Class Air Conditioners/Heat Pumps
- T-Class Air Conditioners/Heat Pumps
- Air Conditioners/Heat Pumps
- Air Handlers
- Indoor Coils

Heating

- T-Class Unit Heaters
- Unit Heaters
- Duct Furnaces
- Furnaces

Commercial Controls

- L Connection® Network
- Systems Integration Solutions
- Commercial Thermostats

Indoor Air Quality

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- Energy Recovery Ventilators/Systems
- Air Filters
- UVC Lamps

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