

# 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



**ENERGENCE**  
Saving Energy with Intelligence

**PRODIGY**  
CONTROL SYSTEM

### 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

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

BACnet Module communicates with systems supporting BACnet Application-Specific Controller device profile

Prodigy® unit controller is currently a BACnet BTL-listed and a LonMark-certified device



LONMARK  
PARTNER

Energence® rooftop units from Lennox come with the intelligent Prodigy® control system. 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 Prodigy control system 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.



### 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.

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



*Emergence® rooftop units with the BACnet® Module integrated into a BACnet network. (The LonTalk® Module would be used for LonTalk integration.)*

BACnet® (Building Automation and Control Network) was created as a standard protocol that brought all 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 Prodigy® unit controller is a BTL-listed device and has undergone rigorous testing to assure it is compatible with other BACnet devices.

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. The Prodigy unit controller is a LonMark-certified device and has undergone rigorous testing to assure it is compatible with other LonTalk devices.

### **Harnessing the power of the Prodigy® control system**

All Emergence® rooftop units come with the Prodigy control system

as the standard unit controller. The intuitive user interface makes setup, troubleshooting and servicing easier than ever. Each Prodigy unit controller tracks the runtime of every major component and records the date and time when service or maintenance is performed. The Prodigy control system intelligently operates the rooftop unit to ensure reliability, maximum efficiency and comfort.

The BACnet Module and the LonTalk Module allow the Prodigy control system 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 the Prodigy control system diagnostic information and give them the ability to monitor and control the most commonly used setpoints.

The 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 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 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 Prodigy control system.

# 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 healthy and comfortable environment.

## Packaged Units

- Strategos® Rooftop Units
- Emergence® Rooftop Units
- Landmark® Rooftop Units

## Split Systems

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

## Heating

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

## Commercial Controls

- Prodigy® Control System
- L Connection® Network
- Systems Integration Solutions
- Commercial Thermostats

## Indoor Air Quality

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



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