L CONNECTION® NETWORK

Commercial Controls

SIMPLIFIED, CENTRAL CONTROL

LENNOX
Innovation never felt so good.
Simplified Control for Your Facility

The L Connection® Network not only enhances comfort and energy-efficiency throughout your facilities, but also helps improve productivity with streamlined system control. At the heart of the solution is a Network Control Panel (NCP) that allows you to control all rooftop units with a single, easy-to-use interface.

One NCP can easily replace multiple programmable thermostats

With advanced monitoring and control capabilities, the Network Control Panel allows you to quickly troubleshoot and make configuration adjustments, including schedules, setpoints, humidity levels and more. It is a central interface to access, control and monitor your HVAC equipment and more, so you no longer need to maintain multiple programmable thermostats throughout the facility. And since it’s password protected, you’re assured only authorized personnel can access and adjust the system.

For added control, a zone temperature sensor or communicating Comfort Sensors can be located in each zone. These versatile, multi-purpose sensors provide basic temperature control and allow you to configure the adjustable range for optimal comfort and energy efficiency. Optional features include a user-friendly LCD interface as well as relative humidity and carbon dioxide sensing capabilities. These zone controllers not only reduce wiring and sensor installations, but also service time and costs, eliminating unnecessary trips to the rooftop.
Create a single point of control for HVAC systems and

The network manager provides a central point of advanced control

**Network Control Panel**
*located in facility manager's office*
- Large screen and four-button control provide a user-friendly interface to HVAC equipment and building functions
- Customized settings with time-of-day scheduling, temperature, CO₂, ventilation and humidity control
- Date- and time-stamped alarm codes
- Auto-poll startup feature greatly reduces installation time and expense
- Easily field-upgraded without losing programs or schedules
- Provides a written description of each controller’s alarm codes

Controllers connect equipment to the network

**Building Controller**
*located in control room or mechanical room*
- Schedule basic building operations such as lights, signs and exhaust fans
- Built-in diagnostics and alarm codes speed troubleshooting

**Prodigy® Unit Controller**
*intelligent control for the rooftop unit*
- Intelligently engineered to deliver exceptional reliability and diagnostics
- Completely customizable, with more than 250 operating control parameters
- Scalable platform adapts easily to different unit configurations and technologies
- Enhanced unit controller has a simple menu design with a four-line text display for fast, accurate unit setup and servicing
- USB port provides the ability to upgrade firmware and download service reports

**Network Thermostat Controller**
*integrates electromechanically controlled HVAC equipment*
- Monitors and controls Lennox® split systems and rooftop units, as well as electromechanically controlled third-party equipment
- Up to two-heat, three-cool capability
- Can be combined with optional bypass controller for constant-volume bypass zoning applications
- Fused outputs and override switches simplify installation testing, setup, and provide added protection

Zone Controllers and Sensors provide basic control at each zone

**Zone Link**
*located in the rooftop unit or mechanical room*
- Coordinates up to 31 Comfort Sensors connected to a zoned rooftop unit
- Counts heating and cooling votes from Comfort Sensors and signals the rooftop unit to change modes according to its configuration
- Can be used to expand L Connection® Network to coordinate up to 93 unit controllers per network

**Comfort Sensor**
*located in each zone*
- Temperature sensor with optional relative humidity and/or carbon dioxide sensing capabilities
- Controls zone damper or variable-air-volume terminal box in zoning applications to maintain space temperature and indoor air quality
- Optional LCD user interface with sensor readings and easy temperature adjustment

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Interface software supplies information to a PC from the L Connection® Network locally or remotely

**Unit Controller Software**
- Commission, monitor and control unit controllers, including Prodigy® unit controllers, integrated modular controllers, network thermostat controllers or building controllers
- Connects to the network locally or remotely through a modem, via an Ethernet network or via the Internet*

**Network Control Panel Software**
- Schedule, monitor and control the entire L Connection® Network
- Configures alarms to automatically send e-mail notification to or page a facility manager or servicing contractor before problems get out of hand
- Records trends based on over 25 user-selectable data points that can be automatically graphed using Microsoft® Excel
- Generates, saves and prints a variety of reports
- Connects to the network locally, or remotely through a modem, via an Ethernet network or via the Internet*

**L Connection Network Modem**
- Configured specifically for the L Connection Network
- Plug-and-play device requires no modification
- Use with L Connection Network software for access from a remote site

**L Connection Network Ethernet Converter**
- Configured specifically for the L Connection Network
- Allows users to monitor and control devices on the L Connection Network via their existing Ethernet local area network (LAN)
- Can be used to monitor and control devices on the L Connection Network remotely via the Internet*
- Can be used with unit controller software and/or Network Control Panel software

*Requires access to Ethernet local area network via the Internet.
Delivering enhanced benefits for your building

Expanded system capabilities
The L Connection® Network works with most split systems, rooftop units and third-party electromechanical equipment to enhance system performance and capabilities. A Building Controller module allows you to control a range of facility operations, such as lighting, signage, freezer cases and exhaust fans—all from one central location.

The system also makes it easy to create different heating and cooling zones to save energy and gain more precise control. Simply install a Zone Link module and your choice of Comfort Sensors and Bypass Dampers to achieve zoning capabilities. Adjustable configuration and integration options make the system easily expandable to accommodate future growth.

Advanced monitoring and troubleshooting
The Unit Controller software makes it simple to set up, program and monitor the entire system and provides an easy-to-understand description of each alarm code. It also allows remote connection to the network to monitor or troubleshoot the system.* With Network Control Panel software, you can even trend the operation of the HVAC system for performance analysis.

Plus, this software allows you to remotely access and control the system from virtually anywhere via the Internet or a network modem.* This lets a technician diagnose and correct certain problems remotely, saving service time and costs.

Increased time and money savings
The entire L Connection Network is designed to save you time and money, from initial setup to daily operation. User-friendly installation features include pre-programmed configuration parameters, easy field upgrades, a zone controller combined with modular sensors, an auto-poll start-up feature and intuitive interfaces.

You’ll also enjoy improved efficiencies and reduced operating costs throughout the year, thanks to the system’s streamlined controls and comprehensive software packages. This easy-to-use software can provide trending and diagnostic reports that not only reduce system maintenance, but also help prolong the life of the equipment. These combined savings ensure the lowest total cost of ownership.

Control functions from a desktop, not the rooftop
Network information can be accessed from a local or remote PC, making monitoring and diagnostics available from virtually anywhere at any time.

*Requires access to Ethernet local area network via the Internet.
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.

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