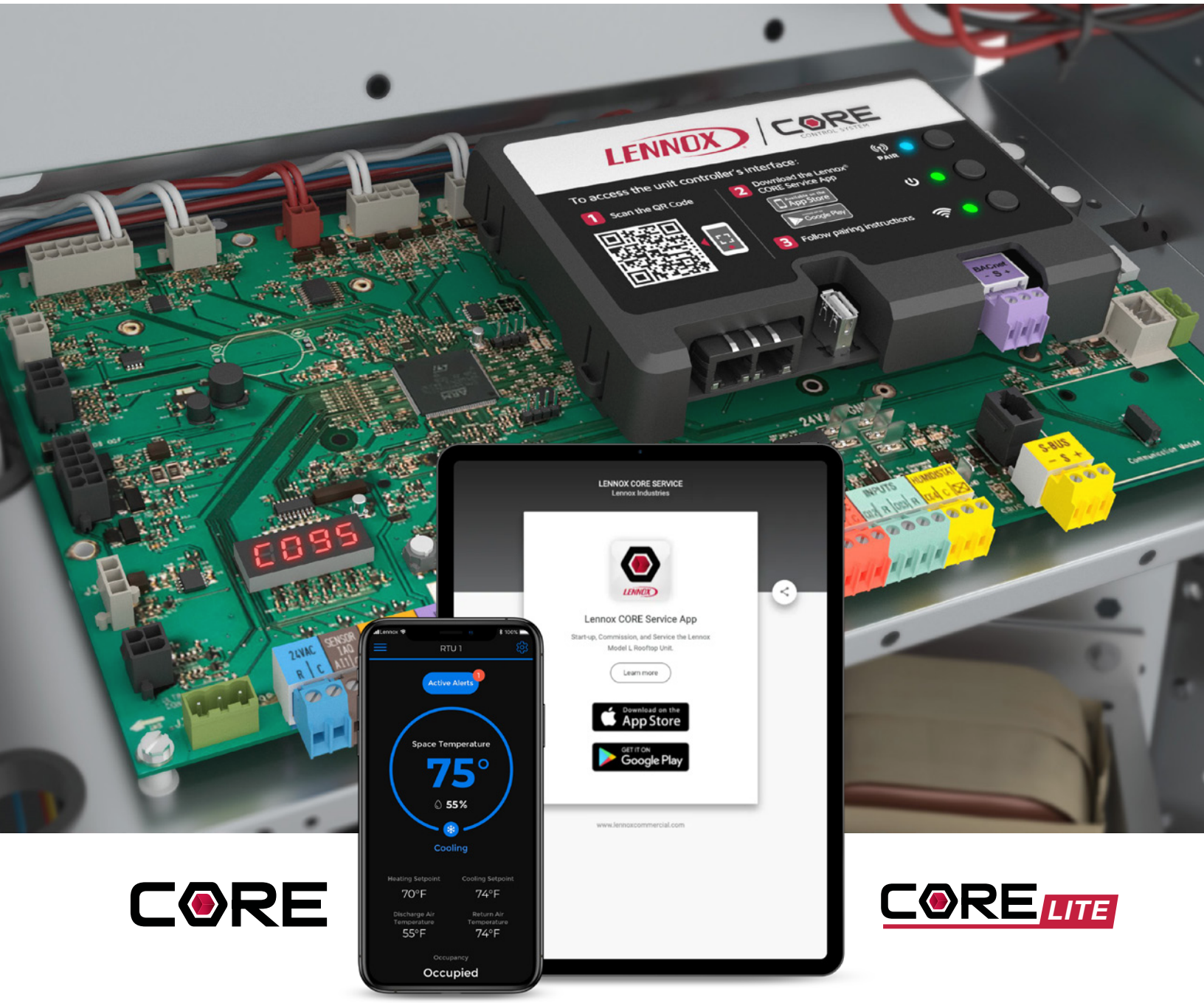
LENNOX / CORE
CONTROL SYSTEM



CORE

CORE LITE

AVAILABLE ON

MODEL L

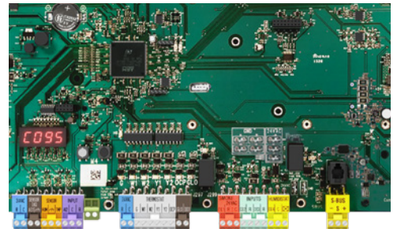
ENLIGHT

XION

LENNOX / CORE CONTROL SYSTEM

The Lennox® CORE Control System features the innovative Lennox CORE Unit Controllers and the revolutionary Lennox CORE Service App. The CORE Service App provides intuitive setup, real-time data readout, and enhanced test functionalities, reducing service costs and creating a connected service experience. The CORE Unit Controllers openly integrate with multiple control types, extends unit life by reliably operating system components, and implements algorithms that optimize efficiency, creating ideal space conditions with ease.

CORE



CORE LITE

CONNECTED SERVICE

The Lennox® CORE Control System reinvents the service process in the palm of your hand with a wireless mobile service app, making setup and service faster than ever before.

- **Guided Setup** with progress indicators, detailed help, and exportable summaries drives simple and trouble-free setup
- **Enhanced Test Functionality** provides real-time sensor readings, trending, and reports that enable easy troubleshooting.
- **Multiple Device Support** for Android and iOS on both phones and tablets lets you experience the Lennox® CORE Service App on the device you are comfortable with.

OPEN INTEGRATION

The Lennox® CORE Control System empowers customers to choose their building controls, allowing simple or tailored operation.

- **Building Management Integration** through standard network protocols such as BACnet and LonWorks* allows custom monitoring and control while maintaining backwards compatibility with legacy systems
- **Multiple Control Options** such as traditional thermostats, wired room sensors, and BAS Integration provide operational flexibility now and in the future
- **Device Encryption and Firmware Validation** are engineered to Federal Information Processing Standard 140-2 guidelines and provide peace of mind without sacrificing functionality

RELIABLE PERFORMANCE

The Lennox® CORE Control System uses built-in algorithms to deliver key performance indicators and drive unit components simply and reliably.

- **Intelligent Operation** optimizes comfort and unit reliability without complex configuration, saving time and delivering results
- **Integrated Refrigerant Detection System (RDS)** allows safe and reliable unit operation with R-454B refrigerant
- **Configurable Backup Modes** maintain unit operation and comfort during construction or external building control downtime

EFFICIENCY OPTIMIZATION

The Lennox® CORE Control System optimizes unit operation in real-time by processing advanced sensor inputs, maximizing energy efficiency and space comfort.

- **Standard Sensor Package** monitors key performance indicators of both the air and refrigeration systems to dynamically adjust system operation
- **System Diagnostics** track efficiency and indicate specific component failures, maximizing unit performance and reducing downtime
- **Configuration Parameters** allow tailored unit operation, enabling optimal comfort and efficiency for every application

CORE

LENNOX® CORE UNIT CONTROLLER

The Lennox Model L™ and Enlight rooftop units and the Lennox® CORE Control System utilize optional wireless sensors, a mobile service app and a built-in wireless gateway to deliver the lowest cost of ownership.

BACNET IP & MS/ TP STANDARD

The CORE Unit Controller provides built-in BACnet IP and MS/TP support, new objects and sensor capability, and supports existing objects from the legacy Lennox Control devices*, making the switch to the CORE Unit Controller seamless while providing a deeper level of integration than ever before.

The Lennox® CORE Unit Controller can connect to BACnet IP or MS/TP systems, without any additional hardware or accessories, saving costs and customization across large organizations. The CORE Unit Controller features a 2 port IP switch, meaning units can be daisy chained unit to unit, eliminating the cost and complexity of traditional star networks. The Unit Controller is designed to security standard NIST-140-2 for peace of mind integrating into a building network.

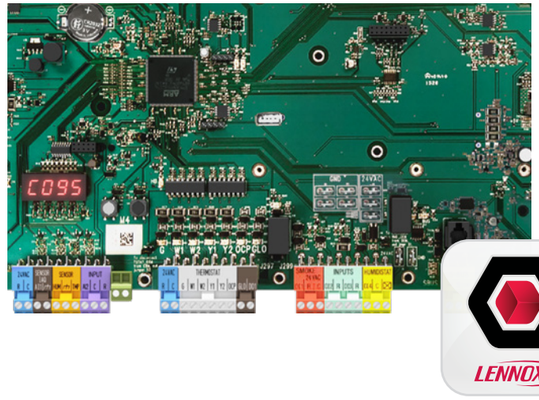
AVAILABLE ON

MODEL L ENLIGHT

CORE LITE

LENNOX® CORE LITE UNIT CONTROLLER

The Lennox® CORE Control System on Xion™ rooftop units is comprised of the easy-to-use Lennox® CORE Lite Unit Controller and the intuitive Lennox® CORE Service App.



THE CORE LITE UNIT CONTROLLER

openly integrates with multiple control types, extends unit lifetime by reliably operating system components, and optimizes unit efficiency through built-in algorithms, creating ideal space conditions with ease.

THE CORE SERVICE APP

provides a better installation and service experience through intuitive guided setup, simplified troubleshooting with, and advanced diagnostic capabilities, reducing installation and service costs.

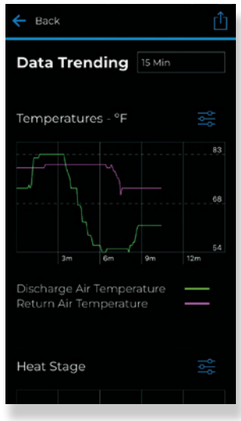
AVAILABLE ON

XION

THE LENNOX® CORE SERVICE APP

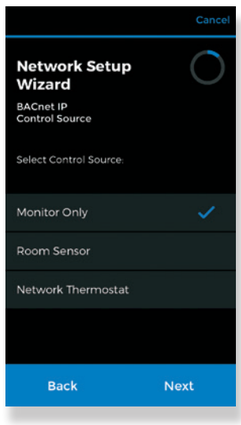
MAKES SERVICING SIMPLE

The Lennox® CORE Service App replaces a traditional built-in user interface on the CORE Unit Controller and provides guided setup means for install, test and balance, and network integration. Reports that detail runtimes and service history can be exported from the app.



REAL-TIME DATA READOUTS

Enhanced test functionality provides real-time sensor readings, trending and reports that enable easy troubleshooting.



GUIDED SETUP

Guided setup with progress indicators, detailed help and exportable summaries drives simple and trouble-free setup, reducing commissioning times over similar systems.

Download on the App Store

GET IT ON Google Play

LENNOX / CORE CONTROL SYSTEM

Available On	CORE	CORE LITE
Model L™	✓	–
Enlight	✓	–
Xion™	–	✓
Integration Options	**CORE**	**CORE LITE**
Lennox S-BUS	✓	✓
BACnet IP	✓	–
BACnet MS/TP	✓	Mid-2025
LONTALK	✓	–
Control Options	**CORE**	**CORE LITE**
24v DDC / TSTAT (CS7500)	✓	✓
Communicating Space Sensor (CS8500)	✓	✓
10K or 11K Space Thermistor	✓	✓
Dehumidistat	✓	✓
0-10 VDC RH Sensor	✓	✓
Air Quality Inputs	✓	✓
Controller Features	**CORE**	**CORE LITE**
Cloud Connected OTA Firmware Updates	✓	–
USB Port for Firmware Updates and Trend Downloads	✓	✓
SmartWire Connections	✓	✓
Bluetooth Service and Commissioning	✓	✓
Status Display Screen	✓	✓
Limited Push Button Interface	✓	✓
Diagnostic Code Storage	✓	✓
Operation Trend Storage	~14 Days	~7 Days
Field Adjustable Control Parameters (200+)	✓	✓
Remote Shut Down Inputs (inc. Smoke, Drain Pan Overflow)	✓	✓
Phase Detection - Factory or Field Installed	Optional	Optional
Dirty Filter Switch Input	✓	✓
CORE Service App Features	**CORE**	**CORE LITE**
No-Cost Download from Apple and Google App Stores	✓	✓
Trend Report Download to Handheld Device	✓	–
Profile Save to Handheld Device	✓	–
In-App Data Logging	✓	✓

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

- Model L™ Rooftop Units
- Enlight Rooftop Units
- Xion™ Rooftop Units
- Raider® Rooftop Units

COMMERCIAL CONTROLS

- Lennox® CORE Control System
- Prodigy® Control System
- Lennox Commercial Thermostats and Sensors

VRF

- Outdoor Units
- Indoor Units
- Controls
- Accessories

MINI-SPLIT SYSTEMS

- Heat Pump Mini-Splits
- Low Ambient Heat Pump Mini-Splits
- Indoor Units
- Controls

HEATING

- Unit Heaters
- Duct Furnaces
- Furnaces

INDOOR AIR QUALITY

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- High Efficiency MERV Filters
- UVC Lamps
- Needle Point Bipolar Ionizers

SPLIT SYSTEMS

- Elite® Series Large Split Systems
- Merit® Series Small Split Systems
- Air Handlers
- Indoor Coils

LENNOX®

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