



MODERN CO DEMAND BASED VENTILATION SYSTEM



**STREAMLINED BUILDING AUTOMATION
VIA LINQ IoT PLATFORM**



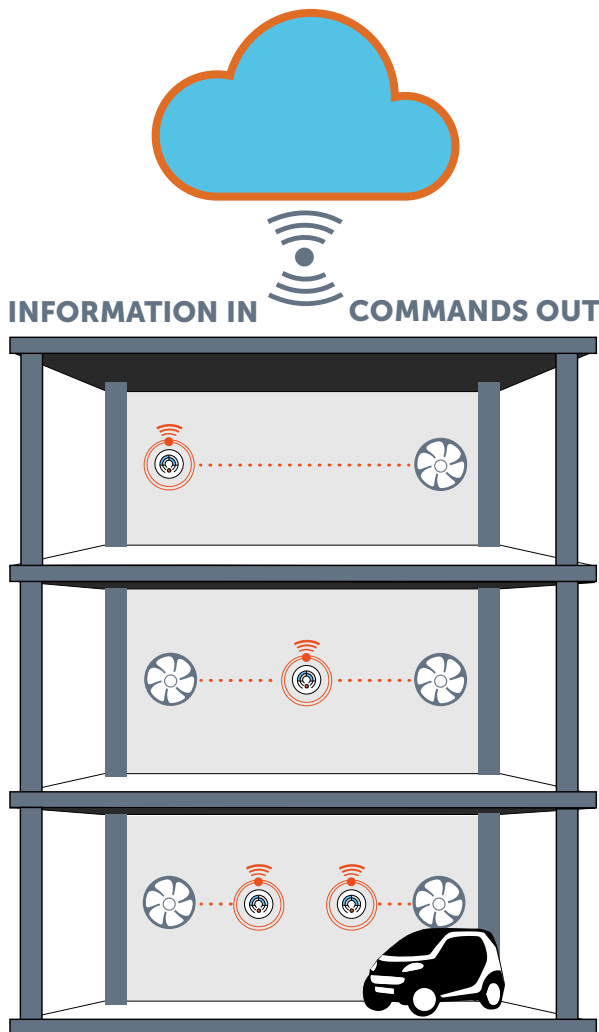
SOLUTION: MODERN CO DEMAND BASED VENTILATION SYSTEM

In the past, demand based CO ventilation relied on complex and expensive Building Automation systems to operate effectively. Linq cloud based platform uses “less moving parts” so it’s simple to install, program and maintain. Not to mention it allows facility engineers to analyze historical CO levels data and receive alarm notifications if the system fails to operate as designed.

By making use of modern technologies, Linq requires only one component, the smart cloud based CO sensor with a built-in relay to control fans. These sensors wirelessly report to the cloud in real-time and when the gas concentration is high the cloud commands the exhaust fan to switch on. Previous ventilation systems operated on complex logic and preset schedules. Linq continuously checks the CO concentration and only starts ventilation as needed. By cutting out unnecessary ventilation, Linq manages to maximize equipment lifespan and energy efficiency.

The cloud not only collects data but also controls the system. Building engineers have 100% access to the system for manual overrides etc. Should the connection or the cloud go off-line, the system will automatically send a notification to the building engineer and also turn the exhaust fans on just to be safe.

Linq’s platform does not require a lot of interaction with IT department. The system can operate over Ethernet, WiFi or cellular since it only needs “internet out”. The system is secure through modern security features including 256 bit encryption.



SIMPLIFIED & ENHANCED

THE LINQ PLATFORM:

LESS MOVING PARTS - SYSTEM IS SIMPLE TO INSTALL, PROGRAM, AND MAINTAIN

COMPONENTS - A CO SENSOR WITH A RELAY BUILT IN TO START/STOP AND EXHAUST FANS

CONTROL - 100% SYSTEM ACCESSIBILITY FOR MANUAL OVERRIDES etc.

ANALYSIS - ALLOWS FACILITY ENGINEERS ACCESS TO HISTORICAL CO LEVELS DATA.

DATA PROTECTION - DATA REPLICATED IN THE LINQ CLOUD. NO DATA LOST IN EVENT OF NETWORK OUTAGE

ALARM NOTIFICATION - SYSTEM SENDS OUT AN ALARM VIA TEXT MESSAGE OR EMAIL

SECURITY - MODERN 256 BIT ENCRYPTION

CONNECTIVITY - BASIC (ETHERNET OR WiFi) INTERNET CONNECTION

TRADITIONAL SYSTEMS REQUIRE:

LABORIOUS INSTALLATION/PROGRAMMING
COMPLEX BAS SOFTWARE

RELAYS TO CONTROL THE EXHAUST FANS

OUTDATED CARBON MONOXIDE SENSORS

WIRE RUNS IN CONDUIT

BAS CONTROLLERS

COMPUTER ONSITE

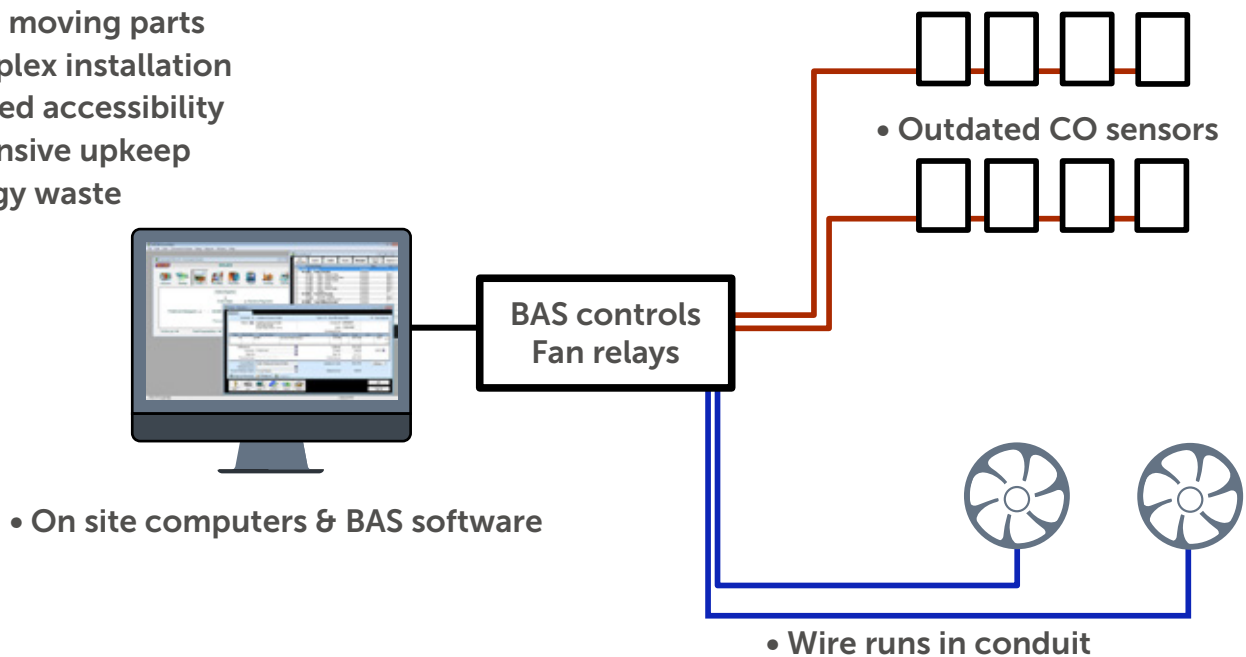
LINQ MODERNIZED SYSTEM

- Sensor failsafe should Internet go out
- Compiles real-time data
- Enhanced security and safety
- Smart device access controls
- Simple to install & maintain



TRADITIONAL VENTILATION SYSTEM

- More moving parts
- Complex installation
- Limited accessibility
- Expensive upkeep
- Energy waste



CARBON MONOXIDE SENSOR

Linq's CO sensor removes the need for an expensive building automation system by using modern technology. The sensor's built in relay reports wirelessly to the cloud in real-time. When gas concentration is high, the cloud commands the exhaust fans to switch on eliminating complex logic programming and preset schedules. Linq's sensor continuously checks the CO concentration and only starts ventilation when needed. By cutting out unnecessary ventilation, Linq manages to maximize equipment lifespan and energy efficiency.

The CO sensor incorporates a modern cloud-based solution to CO ventilation and monitoring. With this system in place the need for fan control relays, BAS software, BAS controllers, on-site computers, and conduit wire runs is unnecessary. This system not only maximizes equipment lifespan and energy efficiency, which translates into savings, but it also provides a far safer environment through the removal of complexity. Linq has integrated simplistic real-time monitoring of Carbon monoxide with a mass notification system. In case of outages or emergency alarms can be instantaneously sent out via text message or email, and the system allows 100% accessibility to engineers for manual overrides.

LINQ'S MODERN CO SENSOR SCALING DOWN INFRASTRUCTURE & ENHANCING SAFETY.



4.5"

2.5"

FEATURES & BENEFITS

REPORTING - REAL-TIME REPORTS TO THE CLOUD.

LESS MOVING PARTS - SYSTEM IS SIMPLE TO INSTALL, PROGRAM, AND MAINTAIN

CONNECTIVITY - BASIC (ETHERNET OR WiFi) INTERNET CONNECTION

CONTROL - 100% SYSTEM ACCESSIBILITY VIA SMART DEVICE FOR MANUAL OVERRIDES etc

ALARM NOTIFICATION - SYSTEM SENDS OUT AN ALARM VIA TEXT MESSAGE OR EMAIL

DATA PROTECTION - DATA IS STORED IN THE LINQ CLOUD. NO DATA LOST IN EVENT OF NETWORK OUTAGE.

ACCESSIBILITY - 100% CONTROL OF THE SYSTEM FOR MANUAL OVERRIDES