Trane offers one simple solution.

Smoke Control. Comfort Control.



Virtually any building that accommodates large numbers of occupants typically requires a smoke control system, and in many public facilities, it is often mandated by code. Hotels, correctional facilities, hospitals and government buildings are just a few examples where smoke control is a basic requirement.

An integrated building automation system built on BACnet® communication protocols can manage both occupant comfort and smoke control within a single platform. Trane controls provide building owners with a single, cohesive solution that unifies these critical functions. When installed as part of an Engineered Smoke Control System, these controllers bear the UL 864 label and are designed to meet the standard without the need for additional licensing or related costs.

Smoke control basics

A UL 864 (UUKL) control system receives input from multiple sources, including fire alarm panels, firefighters, and smoke detectors. It then coordinates HVAC equipment and exhaust fans to manage smoke movement within a space by directing designated zones to purge or pressurize as needed. Two types of systems exist:

- Dedicated—All controls are used for smoke control only.
- Non-dedicated—Control systems can be used for both comfort and smoke control.

The Trane Advantage

Trane's smoke control system communicates smoke control points directly to the firefighters' smoke control panel, streamlining installation and reducing the labor and costs typically associated with hardwired solutions.

- Trane devices used within a smoke control system bear the UL 864 (UUKL) label.
- Trane controls support a flexible number of smoke zones to serve any size building.
- Future controller software releases will be UL 864 certified, simplifying upgrades.
- Trane controllers are listed for both dedicated and non-dedicated smoke control applications.

Trane delivers reliable smoke control together with the full advantages of a Tracer building automation system—flexible, scalable, compatible, and easy to use. Backed by more than 40 years of experience in the controls industry, Trane has built a distinguished legacy of quality and a proven commitment to advancing comfort, safety, and energy efficiency through intelligent building controls.

Trane Controls: UL® 864 (UUKL) listed for smoke control

Manage both occupant comfort and smoke control through a single, integrated building controls solution from Trane. Whether a project requires smoke control for a single area or comprehensive protection across an entire facility, Trane controls offer a simple, scalable approach. Built on the open BACnet® communication protocol, Trane controls also help future-ready buildings accommodate the seamless integration of additional automation devices over time.

Integrated Expertise

Tracer® Building Automation System integrates with smoke control for a seamless experience. Tracer SC+ is designed for broad compatibility across building systems, supporting both Trane and non-Trane equipment. Built on open industry-standard protocols, it accommodates previous- and future-generation systems regardless of brand, enabling gradual equipment replacement while helping protect long-term compatibility and investment value.

- BACnet IP and BACnet MS/TP communication to unit controllers
- Complete portfolio of building management applications
- Intuitive, web-based user interface with high-quality 3D graphics
- Listed for both dedicated and non-dedicated smoke control systems

Field Controllers

Trane Programmable Controllers

- BACnet MS/TP and BACnet/IP communication
- Flexible and expandable up to 500 points for large applications



Expansion Modules

For Trane Programmable Controllers

- Flexible and expandable I/O option
- For large applications requiring more terminations on a single controller



Want to know more?
Contact your Trane account manager to learn more about Trane Controls that are UL 864 listed for smoke control.

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Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit *trane.com or tranetechnologies.com.*

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