

Refrigerant Leak Detection Systems

The new Trane standard for Unitary Products



Trane is going the extra mile to help you meet new safety requirements for equipment containing A2L refrigerants with low flammability. Our factory-installed leak detection systems eliminate any uncertainty regarding when monitoring is required and how to implement it.

Trane is making refrigerant leak detection systems standard on commercial unitary products with more than 3.91 lbs. of refrigerant charge per circuit, including:



Rooftop units



Split systems



Water source heat pumps



Self-contained units

Safety is our priority. On units that require leak detection, Trane will provide the multi-level support you need to feel confident about using next-generation refrigerants.

- Factory-install leak detection systems with one or more sensors
- Automate activation of mitigation tactics
- Provide BAS points to allow for detection and mitigation notification

Keeping you in compliance.

According to safety standard UL 60335-2-40, ducted HVAC systems that have more than 3.91 lbs. of A2L refrigerant charge will be required to include one or more refrigerant detection sensors.



Mitigation Tactics

Standard leak detection systems monitor for leaks and activate the following mitigation steps when necessary:

1

Supply fans activated to deliver circulation airflow

2

Compressors turned off and disabled

3

Zone dampers fully opened (such as VAV boxes)

4

Additional mechanical ventilation activated (if required)

5

Mitigation will continue until refrigerant has not been detected for at least five minutes



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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