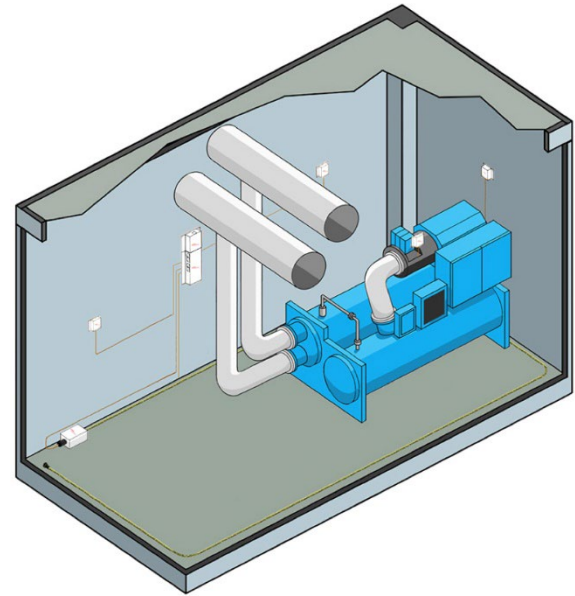


Chiller Rooms

Chiller plants are susceptible to failures due to thermal, environmental, power, and mechanical anomalies, which can lead to significant equipment damage and operational downtime.

For example, hot and cold spots resulting from faulty equipment or refrigerant leaks can compromise equipment functionality, while environmental factors like humidity levels and poor air quality directly impact equipment health. Additionally, mechanical disturbances, such as vibration and noise, often precede equipment failure.

Integrating Kidde Fire Systems' REL-iON sensors into your chiller system is vital in mitigating these risks and we recommend, should be at the core of your strategy to prevent downtime and catastrophic failure of these mission critical assets.



Part Number	Sensor Use Case	Minimum Recommended
31-BASE-WIRED	Base Unit SensorGateway	1 base required
31-EXP-12HUB	Sensorhub - 12 Ports Hub & 1 Daisy-Starter circuit	1 hub required; hosts 12 sensors
31-BASE-PWR	Power Adapter for Base Unit	1 power adapter required
31-ENV-THUM	Monitors temperature and humidity levels	2 recommended per room
31-ENV-LEAK-LOC	Designed to monitor if there are leaks or presence of water inside your critical facility.	2 recommended + cable
31-ENV-PARTICLE	Monitors air quality monitoring and air purifiers	2 recommended per room
31-SEC-DOOR	The security door contact sensor triggers an alert when the door is opened	1 recommended per door
31-ENV-DUST	Designed to monitor dust particles in data centers, server rooms & cabinets	2 recommended per room
31-ENV-THIMG-L	Monitors object and equipment temperatures with 19,200 measurement points per image, analyzed every 2 seconds	3 recommended per room
31-PWR-AC-QUAL	Designed to monitor single-phase power quality	1 recommended per room
31-PWR-AC-CUR	The current sensor indicates the state of legacy equipment based on its power usage	1 recommended per room
31-ENV-CORROSION	Designed for monitoring atmospheric corrosion levels	1 recommended per room
31-GAS-A1	Designed to detect R-410a and R-407a gas types	1 recommended per room
31-SEC-SOUND	Designed for monitoring noise level in applications for security, safety and health	1 recommended per room
31-GAS-O3	Detects Ozone (O3) Gas Sensor	1 recommended per room
31-ENV-AIRPRESSURE	Monitors air pressure from cooling systems	1 recommended per room

Notes

- The visual appearance and dimensions presented on this datasheet are for illustrative purposes only and are subject to change without prior notice. Actual product appearance and dimensions may vary due to continuous product improvement and manufacturing.
- Quantities of sensors and other equipment are indicative only. Please ensure adequate coverage based on site and application conditions and dimensions.