

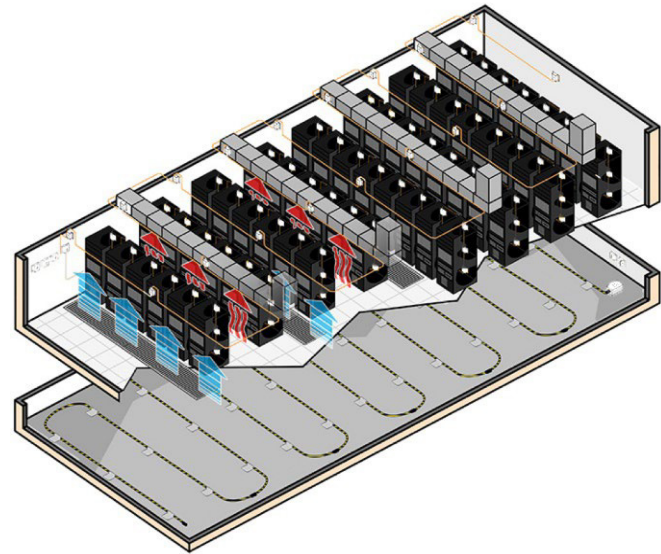
REL-iON™ APPLICATIONS



Data Center White Spaces

The racks and cabinets which house the servers, storage, and network equipment, the hot-aisle and cold-aisle containment systems, and the power distribution equipment within the white space of a data center are all susceptible to failures due to thermal, environmental, power, and mechanical anomalies, which can lead to significant equipment damage and operational downtime.

Integrating Kidde Fire Systems' REL-iON™ sensors into your data center 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. In these applications, REL-iON™ sensors are strategically positioned at rack, aisle, and room levels to proactively identify anomalies and prevent potential failures, while also prolonging the overall infrastructure lifespan.



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	1 recommended per cabinet
31-ENV-LEAK-LOC	Designed to monitor if there are leaks or presence of water inside your critical facility	1 recommended + cable
31-ENV-PARTICLE	Monitors air quality monitoring and air purifiers	2 recommended per HVAC unit
31-ENV-CORROSION	Monitors real-time atmospheric corrosion levels and severity per ANSI/ISA 71.04 standard	1 recommended sensor per cabinet
31-SEC-DOOR	The security door contact sensor triggers an alert when the door is opened	1 recommended per room
31-ENV-DUST	Designed to monitor dust particles in data centers, server rooms & cabinets	1 recommended per cabinet
31-ENV-AIRPRESSURE	Monitors differential air pressure and air temperature	1 recommended per room
31-ENV-AIRFLOW	Monitors air flow that typically comes from the AC in the room	1 recommended per room
31-SEC-SHOCK	Detects vibrations that may result in damage of equipment	1 recommended per room
31-SEC-SMOKE	Smoke sensor	1 recommended per room

Notes

1. 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.
2. Quantities of sensors and other equipment are indicative only. Please ensure adequate coverage based on site and application conditions and dimensions.