

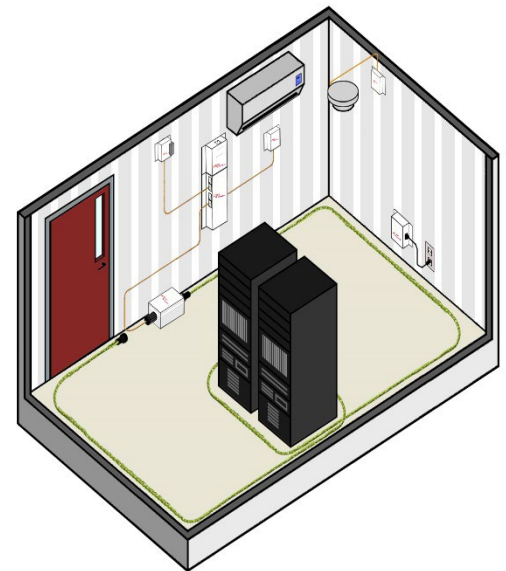
REL-iON™ APPLICATIONS

IDF & MDF Server Rooms

Server rooms are susceptible to a range of risks, including thermal, environmental, power, and mechanical anomalies, all of which can potentially result in equipment damage or operational downtime.

To mitigate these risks, it is advisable to adhere to ASHRAE standards for maintaining optimal conditions. In addition, the implementation of advanced monitoring tools such as Kidde Fire Systems' REL-iON™ sensors can be crucial in safeguarding server rooms.

These sensors are designed to comprehensively track critical parameters including temperature, humidity, power quality, dust levels, water ingress, and corrosion. Through continuous monitoring, they facilitate early anomaly detection, thereby preventing costly damages and prolonging the lifespan of equipment.



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 31-ENV-WLEAK-XX	Monitors leaks or presence of water Cable	2 recommended + cable
31-ENV-CORROSION	Monitors real-time atmospheric corrosion levels and severity per ANSI/ISA 71.04 standard	2 recommended per room
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-ENV-AIRFLOW	Monitors the air flow that typically comes from the AC unit in the room	1 recommended per HVAC

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.