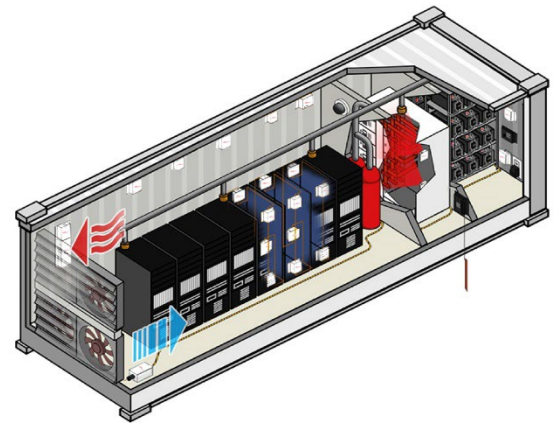


Modular and Edge Data Centers

The equipment within a containerized data center is susceptible to failure 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 to proactively identify anomalies and prevent potential failures – thereby averting data loss and equipment damage while ensuring maximized uptime.



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 container
31-ENV-LEAK-LOC	Monitors leaks or presence of water	2 recommended + cable
31-ENV-PARTICLE	Monitors air quality monitoring and air purifiers	4 recommended per container
31-ENV-CORROSION	Monitors real-time atmospheric corrosion levels and severity per ANSI/ISA 71.04 standard	2 recommended per container
31-SEC-DOOR	The security door contact sensor triggers an alert when the door is opened.	1 recommended per door
31-ENV-DUST	Monitors dust particles	2 recommended per container
31-ENV-AIRPRESSURE	Monitors differential air pressure and air temperature	2 recommended per room
31-GAS-O2	Monitors and measures the oxygen (O2) level in the ambient air	4 recommended per cabinet
31-ENV-THIMG-L	Monitors object and equipment temperatures with 19,200 measurement points per image, analyzed every 2 seconds	1 recommended per cabinet
31-GAS-H2	Monitors hydrogen (H2) levels and detecting leaks from lead-acid and Li-ion battery banks	4 recommended per container
31-GAS-A1	Monitors refrigerant gas leaks	2 recommended per container
31-PWR-AC-QUAL	Designed to monitor single-phase power quality	1 recommended per container
31-PWR-AC-CUR	The current sensor indicates the state of legacy equipment based on its power usage.	1 recommended per container
31-GAS-H2-VOC	Monitors off-gas and H2; Factory calibrated; no field calibration needed	2 recommended per room
31-SEC-SMOKE	Smoke sensor	1 recommended per room
31-PWR-AC-FAIL	Monitors the main power and triggers alarm when it goes out	1 recommended per power line
31-SEC-SHOCK	Measures vibrations that may result in damage of equipment	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.