

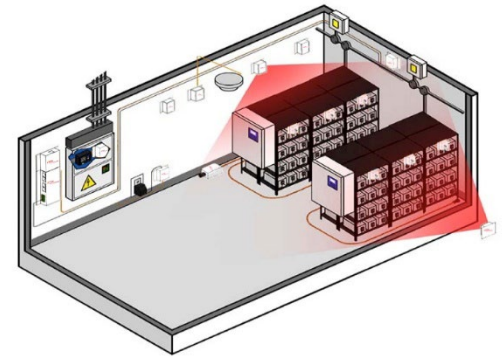
REL-iON™ APPLICATIONS

Lead Acid & Li-ion Battery Rooms

Battery rooms are exposed to various environmental hazards, including humidity, corrosion, vibrations, and dust, which can compromise battery integrity and potentially lead to fires or operational failures.

Kidde Fire Systems' REL-iON™ sensor platform is specifically designed to monitor and detect these threats.

Additionally, our calibration-free H2 and off-gas sensors can identify early warning signs before a catastrophic failure or thermal runaway occurs.



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 31-ENV-WLEAK-XX	Monitors leaks or presence of water Cable	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	Designed to monitor dust particles in data centers, server rooms & cabinets	2 recommended per container
31-ENV-AIRPRESSURE	Monitors differential air pressure and air temperature	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 battery rack
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 in stationary battery systems. Factory calibrated; no field calibration needed	2 recommended per battery rack
31-SEC-SHOCK	Detects accurately the level of vibration	1 recommended per battery rack
31-ENV-LEAK 31-ENV-BLEAK-XX	Detects battery acid leaks from batteries Cable	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.