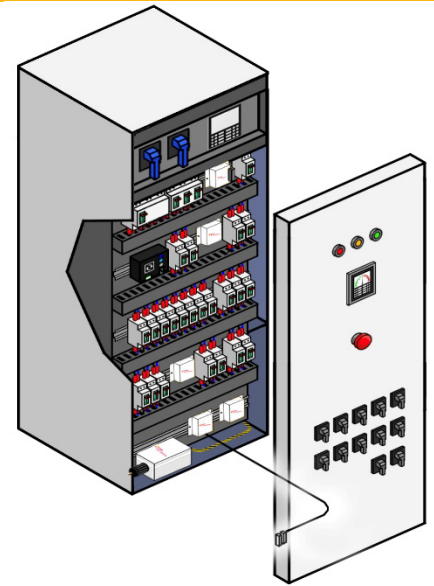


REL-iON™ APPLICATIONS

Electrical Panels

Industrial panels are at risk of experiencing severe failures and fires, which are exacerbated by anomalies. Some common issues stem from the inherent danger of water and electricity mixing, the risk of dust accumulation, corrosive gases, continuous vibrations, extreme temperatures, and various other factors. If left unattended, these panel failures can lead to operational disruptions, safety violations, and expensive downtime.

Kidde Fire Systems' REL-iON sensors are proficient at proactively addressing these hazards by excelling in anomaly detection, especially in critical conditions. REL-iON sensors are recommended to be strategically positioned within the electrical cabinets to proactively identify anomalies and prevent potential failures.



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	Designed for monitoring temperature and humidity levels inside data centers, server rooms, cabinets and other critical facilities.	2 recommended per container
31-ENV-LEAK-LOC	Designed to monitor if there are leaks or presence of water inside your critical facility.	1 recommended + cable
31-ENV-CORROSION	Real time atmospheric corrosion level & severity monitoring according to the ANSI / ISA 71.04 standard.	1 recommended per panel
31-SEC-DOOR	The security door contact is a sensor that is mounted inside racks, cabinets or server room doors. It triggers an alert when the rack door is opened. The door contact sensor is a magnetic sensor with a self-adhesive or screw mount	1 recommended per door
31-ENV-DUST	Designed to monitor dust particles in data centers, server rooms & cabinets.	1 recommended per panel
31-GAS-....	Over 20+ gas sensors select the amount needed for this application	1 recommended per panel
31-SEC-SHOCK	The shock and vibration sensor will report the actual force being recorded. This multi-axis G force allows to detect accurately the level of vibration and also allows you to define the exact threshold you want to be alerted on	1 recommended per panel

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.