

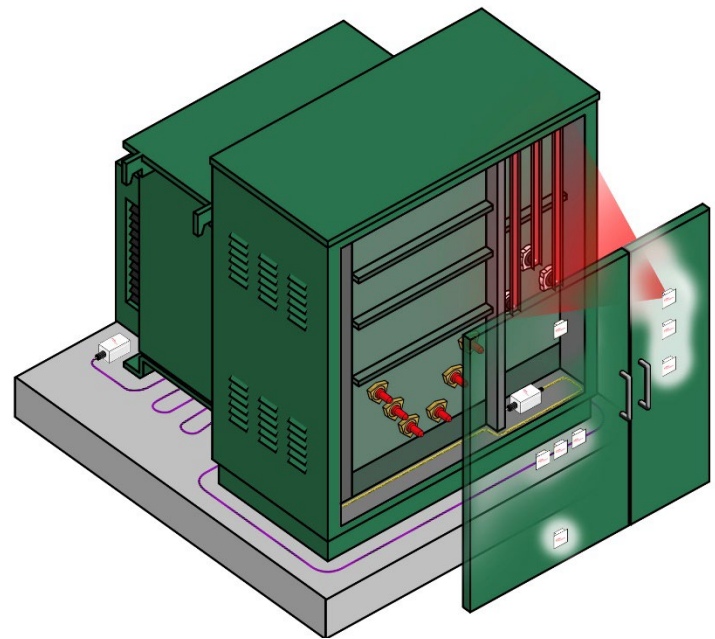
REL-iON™ APPLICATIONS

Transformers

Kidde Fire Systems' 80+ sensor strong REL-iON™ platform offers a comprehensive solution for addressing several common threats to transformers, including overheating, moisture ingress, dust, loose connections, and coolant leaks.

Integrating Kidde Fire Systems' REL-iON sensors into your protection plan 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 positioned to proactively identify anomalies and provide early detection which can potentially save transformer operators millions of dollars in repair and replacement costs while also preventing costly downtime.



Part Number	Sensor Use Case	Minimum Recommended
31-BASE-WIRED	Base Unit SensorGateway	1 base required
31-EXP-8HUB	Sensorhub - 8 Ports Hub	1 hub required; hosts 8 sensors
31-BASE-PWR	Power Adapter for Base Unit	1 power adapter required
31-ENV-IRSPOT-35	Industrial digital SNMP & Modbus TCP sensor designed for contactless temperature monitoring inside enclosures. Optional daisy chain version can have up to 20 sensors per base unit	1 recommended per cabinet
31-ENV-DUST	Monitors dust particles	1 recommended per cabinet
31-ENV-LEAK-LOC	Monitors leaks or presence of water	2 recommended + cable
31-ENV-THUM	Monitors ambient temperature & humidity of the transformer	1 recommended per transformer
31-ENV-CORROSION	Monitors real-time atmospheric corrosion levels and severity per ANSI/ISA 71.04 standard	1 recommended per transformer
31-SEC-LUX	Records the highest level of luminosity as high luminosity may indicate a failure	1 recommended per transformer
31-ENV-PARTICLE	Monitors particles in the air	1 recommended per transformer
31-THIMG-S	Detects a thermal anomaly	1 recommended per transformer
31-SEC-SMOKE	Detects smoke	1 recommended per transformer

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.