Improve your safety, monitor temperature today.

Preventing switchgear failures is tough - over its 20-year service life. High voltages and high currents put strains on electric switchgear that accelerate deterioration and that increase the danger of catastrophic failure. While power distribution equipment is critical to our modern lifestyle, it is also incredibly dangerous to maintain. The risk to human life can be extreme when switchgear fails.

Temperature monitoring is essential for safety

Temperature is the critical indicator to protect human life. But, most temperature sensors require wiring for power and communication. Wiring is not practical inside switchgear equipment where it contributes to arcing risks. Smart Passive Sensing™ technology enables wireless, battery-free sensors that pinpoint failing switchgear components and anomalous operation. The RFM5107 delivers continuous temperature monitoring to protect critical equipment, and issues alerts over MODBUS for easy integration into safety and security networks.

Includes:
RFM5117 Reader
6 RFM3250 Sensors
12 RFM3260 Sensors
Fixed 12-sensor reader
4 Antennas
Software Instructions

ORDER:
RFM5107-A for complete system
RFM5117-A 12-sensor reader
RFM3250 for additional sensors
RFM3260 for additional sensors

RFM3250 Rugged sensor with adhesive backing
RFM3260 Lug-mounted sensor
Is failure about to strike?
Temperature monitoring gives you time to change the story

Improve safety while protecting equipment!
Visit www.RFMicron.com/switchgear

ORDER: RFM5117-A basic system, RFM3250 or RFM3260 for additional sensor. Only 12 sensors can be read by the reader software.

Wireless sensors
Rugged wireless temperature sensors built using Smart Passive Sensing™ technology, are attached directly to complex components and busbars using the integrated adhesive strip. Lug-mounted sensors can be bolted directly to heavy-duty equipment. Smart Passive Sensing technology eliminates batteries, maintenance and wiring, making these sensors suitable for high-voltage environments with significant arcing risks where sensor wiring is not an option.

Continuous monitor
Temperature at the component level is an excellent indicator of switchgear condition, but this requires that access ports and doors be opened to expose live, energized equipment. This is exceedingly dangerous. The RFM5107 system continuously monitors from inside the enclosure, and alerts on pending failures before equipment is damaged. Continuous monitoring provides additional time to deal with infrastructure hacking while it is still in progress.

Improves safety
Human errors leading to death can be nearly eliminated if the enclosure doors are kept closed when the system is energized. Small sensors are easily placed on components obscured from IR inspection. Maintenance teams will know more before opening enclosures and may be able to eliminate live, energized inspections using continuous temperature monitoring. Dynamic load anomalies become detectable and can trigger safety alerts to exit the area.

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