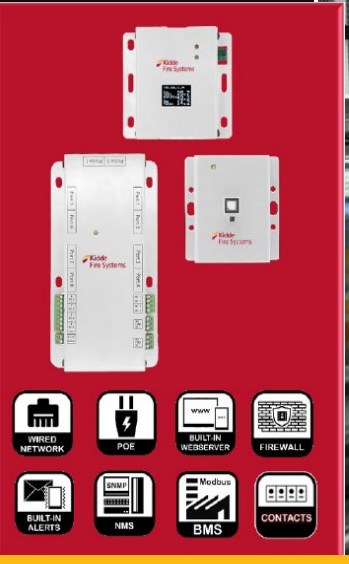
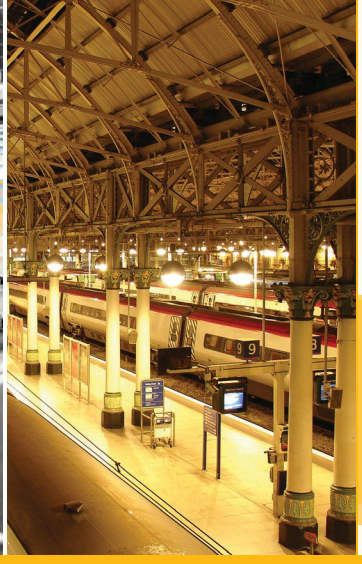
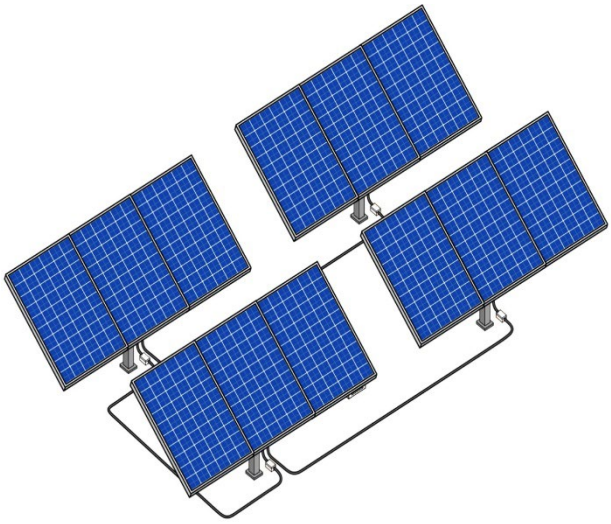


Kidde Fire Systems

REL-iON™ APPLICATIONS

Solar Panels



Fire risk in solar panels, while generally low, can arise from several factors:

1. **Electrical Issues**: Faulty wiring, poor connections, or damaged components can create short circuits, leading to overheating and potential fires.
2. **Installation Errors**: Improper installation can lead to problems, such as loose connections or inadequate spacing, which may increase the risk of overheating.
3. **Material Quality**: Low-quality components, such as substandard wiring or connectors, may not withstand the heat generated, leading to failures.
4. **Aging Panels**: Older panels may degrade and become less efficient, leading to potential overheating.

Integrating fire detection systems and ensuring compliance with local safety regulations can help enhance safety.

Part Number	Sensor Use Case	Minimum Recommended
31-BASE-WIRED	Base Unit SensorGateway	1 base required
31-EXP-12HUB	Sensorhub - 8 Ports Hub & 1 Daisy-Starter circuit	1 hub required, it hosts up to 8 sensors
31-BASE-PWR	Power Adapter for Base Unit	1 power adapter required
31-ENV-LHD	Digital sensor that uses the linear heat cable. This sensor is capable of sensing heat anywhere along the cable and initiate an alarm once it's fixed activation temperature is reached. Unlike the linear heat cables, the senso device is not a fire safety device. It is a temperature limit detection device	1 recommended per unit + cable
31-PWR-GROUND	The ServersCheck Grounding Monitoring system connects to your facilities or sites electrical ground system. It checks non stop the grounding's resistance. This allows you to get early warning on your grounding system	1 recommended per 2 units
31-ENV-CORROSION	Monitors real-time atmospheric corrosion levels and severity per ANSI/ISA 71.04 standard	2 recommended per unit

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.

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