

Use & Care Guide

All listed FXN-S Series sizes | Excludes FXN-S1

Scope: FXN-S20, FXN-S30, FXN-S50, FXN-S65 and FXN-SA4. FXN-S1 is excluded. Read this guide, the Compatibility & Installation Guide and applicable TDS/SDS before use. Keep the documents for reference.

1. Product and Operating Conditions

FXN-S Series is a passive, single-use, heat-activated supplemental fire suppression product for enclosed electrical and electronic equipment. Microcapsules release FK-5-1-12 when the temperature at the product reaches $248^{\circ}\text{F} \pm 9^{\circ}\text{F}$ ($120^{\circ}\text{C} \pm 5^{\circ}\text{C}$). No power, wiring, batteries or user action is required for activation. The agent is electrically non-conductive; this is not an electrical-insulation rating for the finished product.

Condition	Requirement
Normal sustained ambient	$\leq 149^{\circ}\text{F}$ (65°C); $\leq 80\%$ RH, non-condensing.
Unopened storage	-40°F to 149°F (-40°C to 65°C), $\leq 80\%$ RH, non-condensing; original sealed packaging.
Storage period	Up to 2 years from manufacture when stored as specified. Install by the package date.

2. Electrical Safety and Handling

WARNING - ELECTRICAL SHOCK HAZARD

Turn OFF and isolate the applicable power supplies, and verify that the circuit and equipment are de-energized before installation, inspection, removal or adjustment. Electrical work must be performed by a person qualified for the equipment and task. If you cannot verify safely, contact a qualified electrician. In workplaces, follow applicable electrical safe-work and lockout/tagout procedures, including OSHA 29 CFR 1910.333(b).

Wear general-purpose work gloves and safety glasses with side shields for product handling. General-purpose gloves do not provide electrical-shock protection. Follow the equipment-specific electrical-safety procedures and SDS requirements.

3. Installation Summary

1. Select the sticker for the enclosure volume and application using the Compatibility & Installation Guide. Significant leakage, vents, forced cooling or multiple compartments require application review.
2. Choose a clean, dry, flat top interior surface (the enclosure ceiling), above likely ignition sources and exposed to rising heat. Confirm clearance from wiring, terminals, moving parts and the enclosure closure.
3. Clean and dry the mounting surface. Peel the backing and press firmly over the full footprint for complete adhesion, with no lifting or trapped air.
4. Keep the sticker unobstructed. Do not cover with insulation, labels, tape, barriers or dense wiring bundles. Do not bend, fold, puncture, crush or deform it.
5. Keep pre-sized stickers intact. FXN-SA4 may be cut only in accordance with FireXNull-approved sizing and cutting instructions; do not assume arbitrary offcuts have a known enclosure capacity.
6. Confirm full adhesion and clearance; close the enclosure. Restore power under the applicable safe-work procedure. Record the product, location, installation date and replacement date.

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4. Inspection and Ongoing Care

Inspect periodically as part of the equipment maintenance program, with power isolated and the circuit and equipment verified de-energized before access. Follow site-specific inspection requirements; this guide does not establish a universal inspection interval.

- Confirm the sticker remains fully adhered, flat, unobstructed and clear of wiring and equipment components.
- Check for cracking, discoloration, deformation, swelling or any other abnormal appearance.
- Confirm the recorded replacement date has not been reached. Replace damaged, removed, loose, obstructed or abnormal product.
- Keep within the specified temperature and humidity limits. Protect stored product from moisture, sunlight, UV, open flame and heat approaching activation.

5. Replacement and Warranty

Recommended replacement	Up to five (5) years after installation under specified installation and normal operating conditions; replace sooner as described above.
Single use	Replace after any known or suspected activation. Activation may not be externally visible. Do not reuse an activated, removed or damaged product.
Limited warranty	One (1) year from delivery, covering qualifying manufacturing defects and material conformity to published specifications. See the separate Limited Warranty for all terms and claims instructions.

Storage and replacement intervals are maintenance guidance only. They do not extend the one-year limited warranty or guarantee fire-suppression performance.

6. Electrical Problems or Suspected Activation

- If there is a fire, evacuate and call 911 from a safe location. Do not delay evacuation to operate a breaker or inspect the product.
- If safe, isolate power and stop using affected equipment. Warning signs may include unusual heat, burning odor, smoke, discoloration, buzzing, crackling, visible arcing or abnormal operation.
- Before return to service, have qualified personnel inspect and correct the underlying electrical fault and replace activated or suspect product. Suppression does not repair an electrical problem.
- When safe, ventilate before handling activated material. Avoid inhaling vapors and decomposition products; follow SDS instructions for handling, first aid and appropriate PPE. Do not enter a hazardous area to inspect the product.

7. Application Boundaries

FXN-S Series provides supplemental fire suppression. It is not a replacement for proper electrical installation, inspection, maintenance or repair; for breakers, fuses, AFCI/GFCI protection or other required electrical protection; or for smoke alarms, fire extinguishers, sprinklers or any code-required fire or life-safety system.

Not intended for structural or building fires, kitchen or grease fires, occupied-space life-safety protection, or open-air use without enclosure protection. Fire prevention or suppression is not guaranteed. Suitability depends on correct selection, installation, adhesion, thermal exposure, enclosure conditions and the fire scenario. No universal battery thermal-runaway or propagation-prevention claim is made.

8. Disposal, Labels and Support

Follow applicable local, state and federal disposal requirements and the SDS. The waste generator must determine the waste classification and disposal pathway at disposal. Do not incinerate or discard into drains or waterways. Follow applicable product labels and SDS warnings. For technical assistance, replacement guidance or documents, contact support@firexnull.com or +1 (888) 969-0010.

Companion documents: FXN-SWG-001-US V2.4; TDS-FXN-STK-001-US V3.7; SDS-FXN-STK-001-US V4.0; FXN-S-UC-001-US V1.0; FXN-S-CIG-001-US V1.0; FXN-S-WTY-001-US V1.0.