FXN-S1 Use & Care Guide

Supplemental Fire Suppression Sticker for Electrical Outlet & Switch Boxes

Applies to every FXN-S1 retail pack

Read all instructions before installation and use. Keep this guide for future reference. This guide summarizes safe use and care of FXN-S1. It does not replace the full FXN-S1 Safety, Installation and Use Guide (FXN-S1-IG-001, Rev Q) supplied with the product. If you cannot verify that power is off safely, contact a licensed electrician.

1. What FXN-S1 Is and How It Works

FXN-S1 is a passive, heat-activated, single-use supplemental fire suppression sticker designed for enclosed indoor electrical outlet and switch boxes. Heat-responsive microcapsules charged with FK-5-1-12 clean agent are bonded to a flexible carrier with an adhesive backing. FXN-S1 does not prevent electrical faults.

- **Passive, heat-activated operation.** No power, sensors, wiring, electronics, batteries or human action required for activation.
- **Heat activated.** When the temperature at the sticker reaches 248°F ± 9°F (120°C ± 5°C), the microcapsule shells rupture and release the agent.
- **Localized action.** The agent is released inside the closed box to help suppress flaming combustion, primarily through heat absorption.
- **Non-conductive agent, non-pressurized device, single use.** Replace FXN-S1 after any known or suspected activation.

2. Before Installation - Important Safety Warnings

WARNING

Failure to follow these instructions may result in electric shock, fire, serious injury, death or property damage.

- Turn OFF power at the circuit breaker and verify that the circuit and equipment are de-energized before opening the box. If you cannot verify safely, contact a licensed electrician.
- Never install, remove or adjust FXN-S1 while equipment is energized. For workplace installations, follow applicable electrical safe-work and lockout/tagout procedures.
- Wear general-purpose work gloves and safety glasses with side shields. General-purpose gloves do not provide electrical-shock protection.
- Do not place FXN-S1 on or against wires, exposed conductors, terminals or wire connections.
- Do not obstruct or interfere with wiring, grounding, device operation, cover fit or required electrical clearances.
- Do not install if adequate space is unavailable or if the outlet/switch device or cover plate must be forced into position.
- Use only inside enclosed indoor electrical outlet or switch boxes. Do not use in open air, where condensation is present, or where normal sustained ambient temperature exceeds 149°F (65°C).
- Do not cut, puncture, crush, bend, fold, paint, cover, stack or otherwise modify FXN-S1.
- Do not install a damaged, cracked, peeling, discolored, deformed, swollen, previously removed or activated sticker. Do not reuse after activation.
- FXN-S1 is not a wire connector or electrical insulator. Do not use it to cover or repair damaged wiring, terminals or equipment.

3. Installation

1. **Turn off power.** Turn OFF power at the circuit breaker. Keep power OFF until reassembly is complete.
2. **Verify power is off.** Verify the circuit and equipment are de-energized. If you cannot verify safely, contact a licensed electrician.
3. **Remove cover plate.** Remove the cover plate and mounting screws.
4. **Move device forward.** Carefully move the device forward. Do not strain or damage the wires.
5. **Select mounting area.** Locate a clean, dry, flat mounting area. Confirm adequate clearance.
6. **Clean and dry.** Clean and completely dry the surface.
7. **Peel and apply.** Peel the backing and apply FXN-S1 fully flat. One FXN-S1 per compatible gang.
8. **Press firmly.** Press firmly over the entire sticker for 10 seconds. Ensure full adhesion with no lifted edges or trapped air, and verify proper clearance from wiring and device components.
9. **Reinstall.** Reinstall the device and cover plate. Confirm the box closes without force, then restore power. Record the installation date.

ONE FXN-S1 PER COMPATIBLE GANG

Install on an available upper-left or upper-right clean, dry, flat interior surface of the box, with full adhesive contact and adequate clearance. Placement may vary depending on box design. Do not install on raised, curved or uneven surfaces. Keep clear of wires, terminals, connectors and device components. Do not stack stickers or install more than one FXN-S1 in a gang.

1-gang: 1 FXN-S1 | 2-gang: 2 FXN-S1 | 3-gang: 3 FXN-S1

Every FXN-S1 sticker is identical. The pack model suffix states the quantity, not a different product: FXN-S1-4 holds 4 stickers; FXN-S1-12 holds 12. Install one FXN-S1 per compatible gang.

4. Use & Care

FXN-S1 is passive. It requires no charging, electrical power, battery replacement or user activation.

- Keep the installed FXN-S1 securely adhered, fully flat and clear of wires, terminals, connectors and device components.
- Do not paint, cover, stack or place another material over it. Do not cut, puncture, crush, bend, fold or otherwise modify it.
- Do not leave in service where normal sustained ambient temperature exceeds 149°F (65°C) or where condensation is present. Recommended humidity: ≤ 80% RH, non-condensing.
- Store unopened packs in original sealed packaging at -40°F to 149°F (-40°C to 65°C), ≤ 80% RH, non-condensing. Protect from sunlight, UV exposure, moisture and heat. Install by the date printed on the package.
- Record the installation date, location, installer and corresponding replacement date.

5. Inspection

Inspection requires opening the box. Inspect with power OFF at the circuit breaker and the circuit verified de-energized, whenever the box is opened for device replacement or other service work:

- Confirm the sticker remains securely adhered, fully flat and clear of wires, terminals, connectors and device components.
- Check for peeling, cracking, discoloration, deformation, swelling or any abnormal appearance.
- Confirm the recorded replacement date has not been reached. Replace if any damage or abnormal condition is observed.

6. Replacement, Service Life and Warranty

Recommended replacement: Up to 5 years after installation under specified installation and environmental conditions. Maintenance guidance only; not a warranty or a guarantee of fire-suppression performance.

Limited warranty: 1 year from delivery. FireXNull warrants that FXN-S1 will be free from defects in materials and workmanship and will materially conform to its published specifications. Storage and replacement intervals do not extend or modify this warranty.

For complete terms, exclusions, remedies and claims instructions, see the **FXN-S1 1-Year Limited Warranty, FXN-S1-WTY-001-US V1.0**, effective September 2026, or contact FireXNull support.

- Replace sooner if activated, damaged, removed, loose, obstructed or visibly abnormal.
- Single use. Activation may not be externally visible. Replace after any known or suspected activation. Do not reuse an activated, removed or damaged sticker.
- Unopened storage: up to 2 years from manufacture in original sealed packaging when stored as specified.

7. If You Suspect an Electrical Problem or Activation

If there is a fire, evacuate and call 911 from a safe location. Do not delay evacuation to operate the breaker or inspect FXN-S1.

- If safe, turn OFF power at the circuit breaker and stop using the affected outlet or switch.
- Signs may include unusual heat, burning odor, smoke, discoloration, buzzing or crackling, visible arcing, or abnormal device operation.
- If activation is known or suspected, or there is evidence of overheating or fire, do not continue using the outlet or switch.
- Before restoring normal use, have a qualified electrician inspect the outlet or switch, wiring and connections and correct the underlying electrical problem.
- After activation, avoid inhaling vapors or decomposition products. When safe, ventilate the area before handling activated material and follow the SDS handling and PPE guidance.
- Replace FXN-S1 after known or suspected activation.

8. Important Limitations

FXN-S1 provides supplemental, early-stage fire suppression inside enclosed indoor electrical outlet and switch boxes. It does not prevent electrical faults.

FXN-S1 is not a replacement for:

- Proper electrical installation, inspection, maintenance or repair
- Breakers, fuses, AFCI/GFCI protection or other required electrical protection
- Smoke alarms, fire extinguishers, sprinklers or any code-required fire or life-safety system

Not for open-air use, structural fires, kitchen or grease fires, occupied-space life-safety protection, or replacement of code-required fire detection or suppression systems. Performance depends on correct installation, adhesion, clearance, enclosure conditions and fire conditions. **Fire prevention or suppression is not guaranteed.** FXN-S1 does not identify, diagnose or correct the electrical condition that caused an overheating or fire event. Any underlying fault must be inspected and corrected before return to service. Installation must comply with applicable electrical codes and requirements.

9. Agent, Disposal and Regulatory Notes

- **Clean agent:** FK-5-1-12 is listed as acceptable under the U.S. EPA SNAP program for specified fire suppression end-uses and is recognized as a clean agent in NFPA 2001. These references apply to the agent only.
- **Not an engineered system:** FXN-S1 is not an engineered total flooding system, is not represented as an NFPA 2001 engineered system product, and is not represented as FM Approved fire suppression.
- **Disposal:** Follow applicable local, state and federal requirements and the SDS. Waste classification and the disposal pathway must be determined at disposal. Do not incinerate or dispose of into drains or waterways.
- **California Proposition 65:** The product is a manufactured article. Refer to product labeling for the current statement applicable to California shipments.

10. Product Information

Product	FXN-S1 Series (FXN Sticker family)	Nominal size	0.79 × 0.79 × 0.04 in (20 × 20 × 1 mm)
Suppression agent	FK-5-1-12 (encapsulated)	Installation quantity	One FXN-S1 per compatible gang
Activation temperature	248°F ± 9°F (120°C ± 5°C)	Service mode	Single use; replace after activation
Application	Enclosed indoor electrical outlet and switch boxes	Operating ambient (sustained)	≤ 149°F (≤ 65°C); ≤ 80% RH, non-condensing
Recommended replacement	Up to 5 years after installation under specified conditions	Limited warranty	1 year from delivery; see full warranty
Unopened storage	Up to 2 years from manufacture in original sealed packaging	Storage conditions	-40°F to 149°F (-40°C to 65°C); ≤ 80% RH, non-condensing

FireXNull Inc. Irvine, CA 92618, USA | **Support:** support@firexnull.com | (888) 969-0010 | FireXNull.com
Companion documents: FXN-S1-IG-001 Rev Q; TDS-FXN-S1-001-US V1.0; SDS-FXN-STK-001-US V4.0; FXN-S1-WTY-001-US V1.0.