

Compatibility & Installation 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. Supplied as individual stickers or an SA4 sheet. This guide covers enclosed electrical and electronic equipment, not the separate S1 outlet-box product.

1. Choose the Size for the Enclosure

Model	Nominal sticker size (W × L × T)	Selection reference
FXN-S20	3.94 × 1.57 × 0.04 in 100 × 40 × 1 mm	20 L (about 0.7 ft³)
FXN-S30	3.94 × 3.94 × 0.04 in 100 × 100 × 1 mm	30 L (about 1.0 ft³)
FXN-S50	5.91 × 3.94 × 0.04 in 150 × 100 × 1 mm	50 L (about 1.8 ft³)
FXN-S65	7.87 × 3.94 × 0.04 in 200 × 100 × 1 mm	65 L (about 2.3 ft³)
FXN-SA4	7.87 × 11.81 × 0.04 in 200 × 300 × 1 mm	Sheet for approved model-matched cutting; no single whole-sheet volume assigned here.

These are FireXNull's published model-selection references, not an independent certification, tested protection rating or guarantee for every enclosure. Dimensions are nominal; inch and cubic-foot values are rounded. Use the liter value for a boundary decision. Agent mass is not a sizing substitute.

2. Measure and Review the Enclosure

- Measure the enclosure's internal height, width and depth in consistent units. Volume = height × width × depth. Do not subtract internal equipment volume unless FireXNull directs this for the application.
- For centimeters: liters = $H \times W \times D \div 1,000$. For inches: cubic feet = $H \times W \times D \div 1,728$. For meters: liters = $H \times W \times D \times 1,000$.
- Example: $40 \times 25 \times 20 \text{ cm} = 20,000 \text{ cm}^3 = 20 \text{ L}$, corresponding to the FXN-S20 selection reference, subject to the fit and application checks.
- If volume falls between models, choose the next larger model. Above 65 L, or with unusual geometry, obtain FireXNull application guidance; do not assume quantities or capacities add together.
- For vents, significant leakage, active forced cooling, separate compartments or unusual ignition risks, obtain application review before relying on the table.

3. FXN-SA4 Cutting Boundary

FXN-SA4 is supplied as a 200 × 300 mm sheet. Use only FireXNull-approved cutting and sizing instructions to match the selected model footprint and enclosure application. Pre-sized stickers should remain intact. Arbitrary offcuts and combined pieces do not establish a verified protection capacity. This document does not authorize making or substituting FXN-S1 products from the sheet.

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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).

4. Check Fit Before Installation

- The equipment provides an enclosed electrical or electronic environment with an appropriate upper interior mounting surface.
- The selected sticker fits fully flat on a clean, dry surface with complete adhesive contact. No raised ribs, curves, contamination or other features prevent adhesion.
- Placement above likely ignition sources exposes the sticker to rising heat. Labels, insulation, barriers or dense wiring do not shield it.
- Wiring, terminals, grounding, required electrical clearances, service access, moving parts and enclosure closure are preserved.
- Normal sustained ambient temperature is $\leq 149^{\circ}\text{F}$ (65°C); humidity is $\leq 80\%$ RH, non-condensing. The sticker is intact, unused and within its install-by date.

If these conditions cannot be met, do not install at that location. Contact FireXNull for application guidance.

5. Install on the Upper Interior Surface

1. 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.
2. With power OFF and verified, prepare the enclosure ceiling above the likely ignition area. Remove dust, oil and residue and allow the surface to dry completely.
3. Peel the liner and press firmly across the entire footprint. Confirm full adhesion with no lifted edges or trapped air. Do not bend, fold, puncture, crush or deform the sticker.
4. Leave the sticker exposed to rising heat. Do not cover it with paint, labels, tape, insulation or other barriers. Do not use it as a wire connector or electrical insulator.
5. Confirm clearance and closure. Record the product size, installation location/date and replacement date. Close the enclosure and restore power under the applicable safe-work procedure.

6. Suitable Applications and Limits

Applications may include electrical distribution and control cabinets, automation and OEM equipment enclosures, enclosed IT/telecom equipment and enclosed power-electronics equipment, subject to fit and application review. High-airflow cabinets and battery-related applications require assessment of the actual hazard and enclosure conditions. Not for open-air use, structural fires, kitchen or grease fires, occupied-space life-safety protection, or replacement of code-required protection. FXN-S Series stickers do not prevent electrical faults. Fire suppression, thermal-runaway prevention and propagation prevention are not guaranteed.

Activation	248°F $\pm$ 9°F (120°C $\pm$ 5°C), at the sticker.
Replacement	Single use. Replace after known or suspected activation; otherwise up to 5 years under specified conditions, with earlier replacement for damage or abnormality.

Replacement is maintenance guidance, not a warranty. Refer to the Use & Care Guide and separate 1-Year Limited Warranty for care, replacement and complete warranty terms.

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.