

MICRO119 Installation Guide

Automatic fire extinguishing products for small enclosures and outlets

This guide explains pre-installation checks and attachment procedures for MICRO119 patch and outlet products. Select the model for the size and structure of the installation area, and follow the instructions and markings supplied with that model.



Before installation

Check the product and application

Patch products are used inside distribution boards, electrical panels, control panels and telecom enclosures. Outlet products are applied to the designated surface of a compatible outlet, power strip or plug. Check the packaging, expiry date and product condition before use.

Isolate the power supply

Disconnect power and unplug connected devices before working on outlets or power strips. Work inside electrical enclosures must be performed by electrical personnel after power isolation, verification of absence of voltage and other site safety procedures. Do not touch live parts or attach products inside energized equipment.

Prepare the surface and check conditions

Use a flat mounting surface free of dust, oil and moisture. Check the operating environment and temperature conditions on the product label. Do not attach directly to wet surfaces or unstable paint. Prepare a dry cleaning cloth, measuring tools and an installation record.

If equipment shows burn marks, discoloration, melting or poor connections, inspect the cause and repair or replace the equipment first. Attaching the product does not repair electrical faults.

Patch installation

1 Measure the enclosure and compartments

Measure the internal height, width and depth in centimetres. Internal volume in litres = height × width × depth ÷ 1,000. For example, an enclosure measuring 40 × 40 × 20 cm has a volume of 32 L. If partitions divide the enclosure, assess each compartment and the path for the extinguishing agent separately.

2 Select the model and quantity

Compare the rated protection volume on the patch label with actual installation conditions. Consider openings, ventilation and internal partitions as well as volume. Before cutting a product or combining multiple patches, confirm the cutting and placement requirements for that model.

3 Choose the mounting location

Use the location specified in the model instructions. Check the enclosure layout, mounting stability and the path to the potential fire area. Do not obstruct terminals, contacts, wiring connections, vents or moving parts. If the location is unclear, send KCI interior photographs and measurements.

4 Clean and attach

With the equipment in a safe working condition, remove contamination and dry the surface completely. Peel off the release liner from an adhesive product, attach it at the selected location and press evenly, including the edges. Do not damage the surface or sharply fold the product.

5 Check adhesion and door clearance

Check for lifted edges or loose areas. Close the enclosure door and confirm that the product does not contact wiring or internal components. Restore equipment according to site procedures, and record the installation date and photographs.

Installation record

Record the enclosure or equipment name, product model, quantity, internal dimensions and volume, mounting location, installation date, labelled expiry date and responsible person. Retain interior photographs for future inspections and replacement.

Outlet and power strip installation

1 Disconnect power and inspect

Isolate the power supply and remove connected plugs. Inspect outlets, power strips and plugs for discoloration, damage, burn marks and loose connections. Repair or replace faulty equipment before installation.

2 Clean the mounting surface

Identify the designated surface on the outlet, power strip or plug underside according to the product instructions. Remove dust and contamination, then dry the surface.

3 Peel the liner and attach

Remove the release liner and press the sticker firmly onto the designated surface. Confirm that the product size and shape match the surface. Do not overlap stickers unless specifically permitted by the model instructions.

4 Check plug fit

Keep socket openings, metal pins, contacts and grounding parts unobstructed. Confirm that the plug inserts fully and normally and the sticker does not lift. Do not use the product in a location where it interferes with plug fit.

Inspection and replacement

During routine equipment inspections, check for lifting, detachment or damage and for overheating or discoloration of nearby equipment. Replace activated or damaged products according to the instructions. Observe the labelled expiry date and inspection requirements.

Do not heat the product with a lighter, heat gun or other heat source to test activation. In a fire, follow site emergency procedures, evacuate and call the local emergency number. After a fire, inspect the electrical equipment before deciding whether it can be reused.

Installation support

Send photographs of the installation area, internal enclosure dimensions or outlet and power strip details, and the estimated quantity. KCI can advise on product selection and mounting location.

KCI Co., Ltd.

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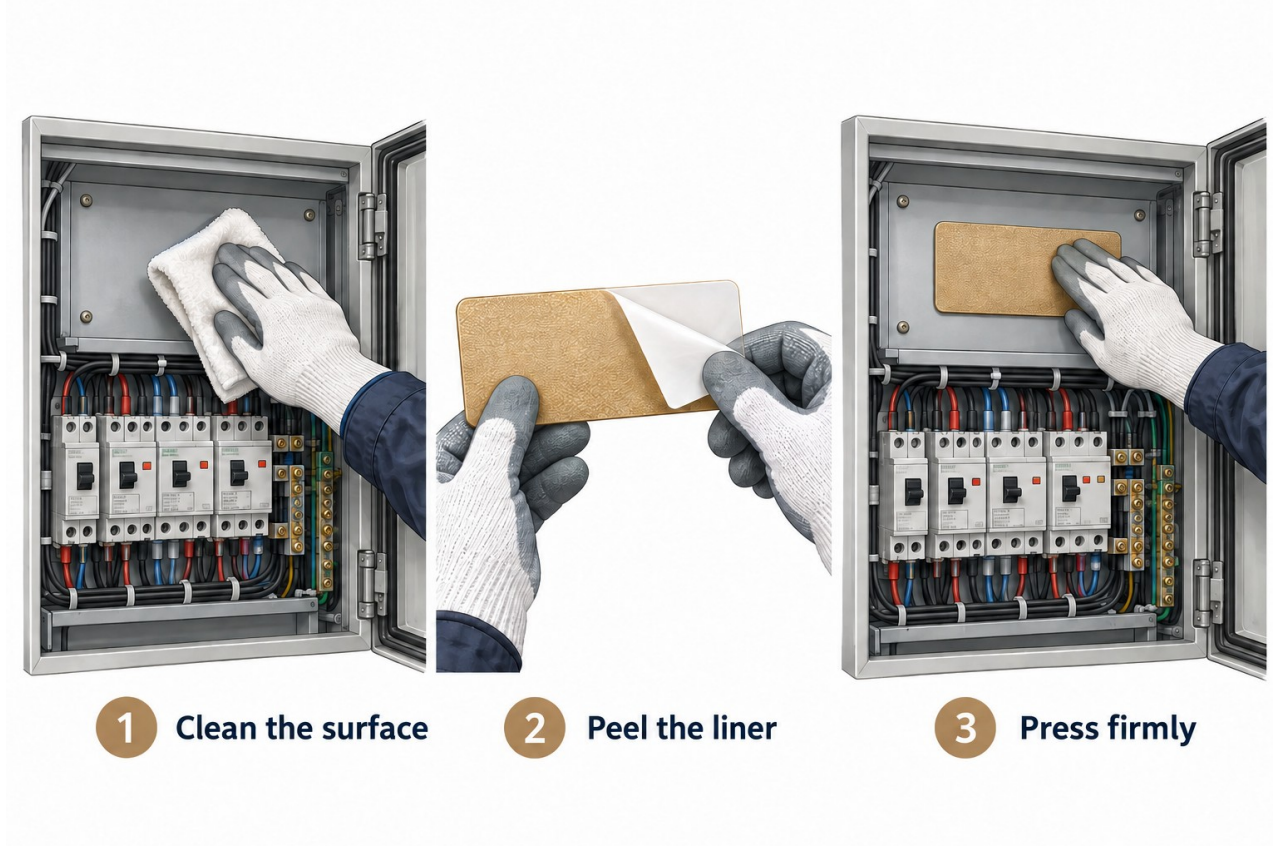
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Patch installation illustrations

Use these illustrations together with the detailed patch installation instructions.



The illustration shows an example of mounting on an upper interior surface. Determine the actual location and quantity using the model instructions and enclosure layout.

Final checks

Check for lifting and detachment. Record the installation date and location. Work inside an electrical enclosure only after power isolation, verification of absence of voltage and other site safety procedures.

Outlet installation illustrations

Use these illustrations together with the detailed outlet and power strip instructions.



The illustration shows alignment and fitting of a round product with holes. Use the designated surface for the actual product shape. Keep socket openings and metal contacts unobstructed.

Final checks

Confirm that the plug inserts fully. Do not use the product where it interferes with fit. Do not test activation using a lighter or heat gun.