

MICRO119 Frequently Asked Questions

Automatic fire extinguishing products for small enclosures and outlets

These answers cover product selection, installation, inspections and purchasing. Before installation, check the supplied product's label and model-specific instructions.

Product selection and operation

1 What is MICRO119?

MICRO119 is an adhesive automatic fire extinguishing product. Heat or flame triggers microcapsules to release an extinguishing agent and suppress an initial fire in a small space. It is available as a patch and as an outlet and power strip product.

2 How do the patch and outlet products differ?

The patch is used inside distribution boards, electrical panels, control panels and telecom enclosures. The outlet product is applied to the designated surface of a compatible plug, outlet or power strip. Select the product for the installation area.

3 Does it need power or separate wiring?

No external power supply or wiring is required for the product itself to operate. It is installed by attaching it at the designated location.

4 At what temperature does it activate?

Published product information gives an activation temperature of 100 °C to 120 °C with a stated tolerance of ± 5 °C. The operating temperature range is -40 °C to $+40$ °C. Activation temperature and normal operating conditions are different specifications.

5 What fire types is it intended for?

Published classifications are Class A ordinary combustibles, Class B flammable liquids and Class C electrical fires. Application depends on the model's test and certification scope and installation conditions. Do not assume suitability for metal fires or all battery fires.

Installation locations and conditions

6 How many patches does an enclosure need?

The standard patch has a rated protection volume of 35 L. Internal volume in litres = height (cm) × width (cm) × depth (cm) ÷ 1,000. Assess compartments, openings, ventilation and agent distribution before determining the quantity under the model-specific requirements.

7 What if the enclosure has internal partitions?

Assess each compartment separately. Partitions may block agent distribution, so do not simply add all volumes and install at a single location. Send interior photographs and compartment dimensions for mounting guidance.

8 Can the patch be cut to size?

Confirm the model-specific cutting requirements before use. A patch cut to an arbitrary size cannot be assumed to retain its original protection volume. Send the space dimensions and planned arrangement for application guidance.

9 Where should the patch be attached?

Use the location specified in the model's installation instructions. Upper interior mounting in the guide is an example, not a universal location. Keep terminals, contacts, wiring connections, vents and moving parts unobstructed.

10 Can customers install it themselves?

For outlet products, isolate power and unplug devices before following the attachment instructions. Work inside electrical enclosures must be performed by electrical personnel after power isolation, verification of absence of voltage and other site safety procedures.

11 Does it fit every outlet and power strip?

Use it only where the product shape matches the designated mounting surface. Keep metal pins, contacts, grounding parts and socket openings unobstructed. The plug must insert fully and normally. Do not use the product where it interferes with fit.

12 Can it be attached to an overheated or burnt power strip?

First identify the cause of overheating or poor connections and repair or replace damaged power strips or plugs. Attaching the product does not repair an electrical fault.

Maintenance and purchasing

13 How do I check the service life and replacement date?

Follow the expiry date and inspection requirements on the product label and in the model instructions. Published information states a “KFI life period of 5 years”. Replace activated, damaged or detached products according to the applicable requirements.

14 What should be checked after installation?

During routine equipment inspections, check for lifting, detachment or damage and for nearby overheating or discoloration. Record the installation date, location, model and quantity, and retain photographs for future inspections.

15 Can an activated product be reused?

Replace an activated product. Identify the cause of the fire and inspect the electrical equipment before deciding whether the equipment can be reused.

16 Can I test activation with a lighter?

Do not heat the product with a lighter or heat gun to test activation. Heating may damage or activate the product and require replacement.

17 Can it be installed outdoors or in wet areas?

The products are described for indoor small-space applications. Do not attach directly to wet surfaces or unstable paint. Check model-specific conditions before use outdoors or in high humidity, high temperatures or other special environments.

18 Can I obtain certificates or test reports?

We can advise on documents corresponding to the supplied model and dimensions. Tell us the intended application and required documents. Certification and testing scope must be checked against the model and conditions in each document.

19 How do I request samples or a bulk quotation?

Send the product type, estimated quantity, installation photographs and dimensions, destination country and preferred schedule. We will advise on sample availability, quotations, packaging and lead times. For overseas supply, shipping methods and commercial terms are agreed separately.

20 What information is needed for installation advice?

For enclosures, send overall interior photographs, height, width and depth, and details of partitions and ventilation. For outlets and power strips, send photographs showing the plug underside and socket shape. We can then advise on product selection and mounting.

Product and supply enquiries KCI Co., Ltd.

Website: www.micro119.com

Email: micro119@kcicctv.com

Korea customer service: 1668-3070

Office hours: Monday–Friday, 09:00–18:00 Korea Standard Time