

Fire Extinguishing Set

User Manual | Benutzerhandbuch | Manual de Usuario | Manuel d'utilisation
使用说明书 | 取扱説明書 | 사용자 설명서 | 使用説明書

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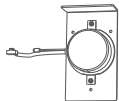
Product Overview

This product is an S-type thermal aerosol fire extinguishing device, containing a composite oxidizer of potassium nitrate (KNO_3) and strontium nitrate ($\text{Sr}(\text{NO}_3)_2$) (55–61% by content). It generates a nano-scale aerosol extinguishing medium through a thermochemical reaction and is suitable for suppressing early-stage fires in enclosed spaces.

Safety Information

1. After the Fire Extinguishing Unit has discharged, the casing will be at a high temperature. Do not touch it. Allow it to cool naturally or by other means before handling.
2. After discharge, if the Fire Extinguishing Set needs to be removed within a short time, wear high-temperature resistant gloves to prevent burns.
3. Regularly clean the casing of the Fire Extinguishing Set of dust and debris according to environmental conditions. Replace it immediately if deformation or damage is found. Periodically check the wiring for open or short circuits and verify that the ignition unit resistance is within the normal range, keeping a record of each inspection.
4. Any damage resulting from improper installation, maintenance not in accordance with this manual, or incorrect usage of the Fire Extinguishing Set is not covered under the company's quality guarantee.
5. Precautions Before Transport, Storage, and Installation
 - 5.1 Keep the Fire Extinguishing Set away from heat sources during transport, storage, and installation, maintaining a minimum distance of 1.2 m. Avoid prolonged exposure to direct sunlight.
 - 5.2 Do not use the Fire Extinguishing Set if the casing is damaged.
 - 5.3 Do not conduct any tests without the manufacturer's authorization.
 - 5.4 After the thermal aerosol Fire Extinguishing Set has been activated, personnel entering the area must wear a gas mask.
6. Inspection
 - 6.1 Before installation, carefully read the instructions and inspect each Fire Extinguishing Unit and its accessories individually according to the following methods. Use only if no damage is detected.
 - 6.2 Inspection Methods
 - 6.2.1 Visual Inspection: Check the casing for integrity. There should be no obvious paint loss, dents, or deformation, and all accessories must be present.
 - 6.2.2 Although the product undergoes strict factory inspections, damage may occur during transport. Each unit must be inspected using the methods above before installation and use.

Package List



Front Cover Assembly ×1



Rear Cover ×1



Fire Extinguishing Unit ×1



User Manual ×1

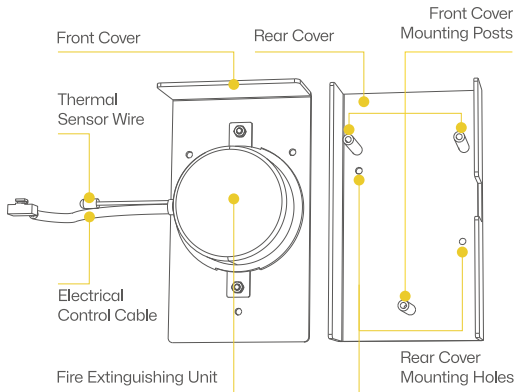


H2.5 Hex Key ×1



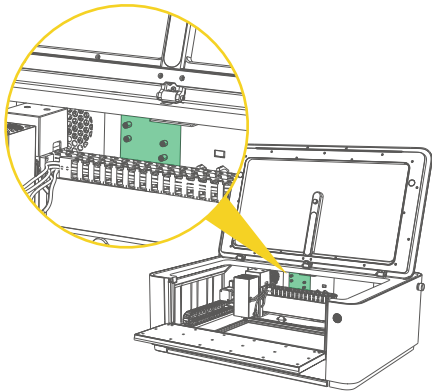
M3*6 Screws ×6

Component Introduction

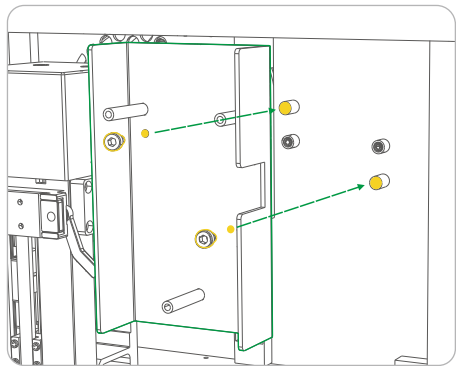


Fire Extinguishing Set Installation

1. Turn off the power and locate the installation position of the Fire Extinguishing Set, as indicated by the green area.

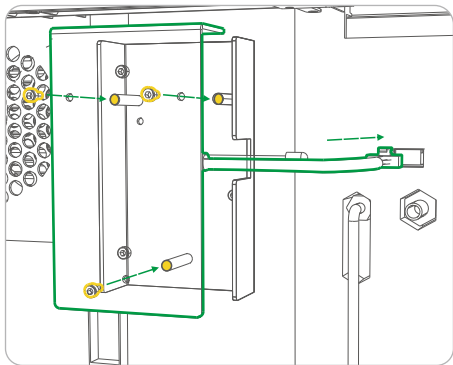


2. Align the Rear Cover mounting holes with the pre-drilled holes on the machine. Secure the Rear Cover to the machine using two M3×6 screws.



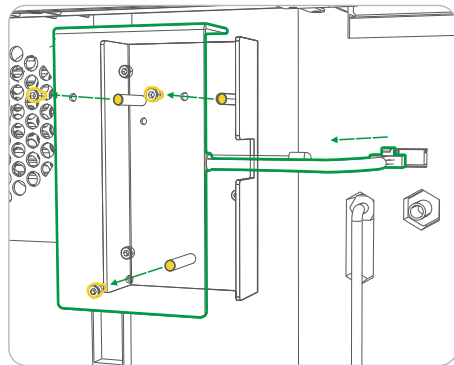
Fire Extinguishing Set Installation

3. Position the Front Cover Assembly according to the arrow direction and secure it to the Rear Cover with three M3×6 screws. Connect the Electrical Control Cable to the port on the machine.



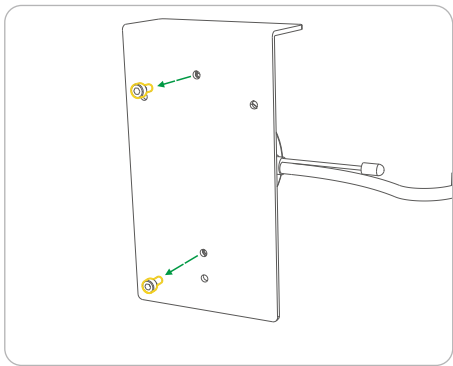
Fire Extinguishing Set Replacement

1. After the Fire Extinguishing Unit has discharged, allow it to cool. Wearing heat-resistant gloves or using other protective tools, remove the three screws on the Front Cover Assembly with an H2.5 hex key.

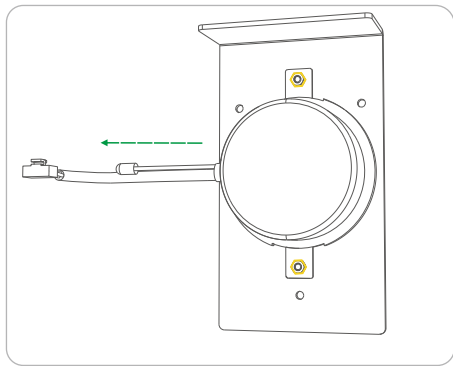


Fire Extinguishing Set Replacement

2. Using the H2.5 hex key, remove the two screws securing the Fire Extinguishing Unit.

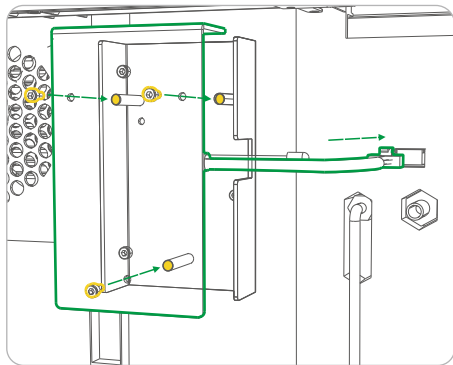


3. Install the new Fire Extinguishing Unit and secure it with two M3×6 screws and nuts. (Ensure the cable is oriented correctly.)



Fire Extinguishing Set Replacement

4. Reattach the Front Cover Assembly and secure it with three M3×6 screws. Reconnect the Electrical Control Cable to make the unit ready for use.



Technical Specifications

Fire Extinguishing Density	100g/m ³
Operating Temperature Range	-50°C~+95°C
Casing Surface Temperature	≤200°C
Thermal Clearance (Nozzle Temperature)	0.05m ≤400°C 0.12m ≤200°C 0.30m ≤75°C
Discharge Duration	≤10s
Activation Method	Electric Start (DC 24 V) / Thermal Automatic Start (170°C ± 10°C)

Statements

Disclaimer

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