

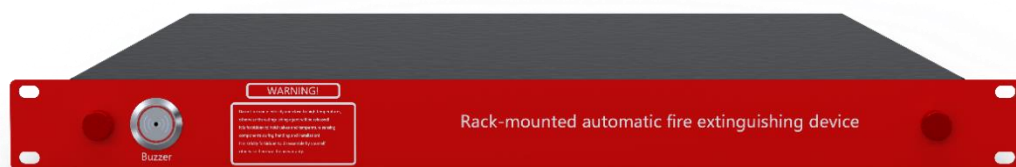
Application

Rack temperature-sensitive automatic fire extinguishing devices are specifically designed for integrated data cabinets, integrating automatic fire detection, automatic extinguishing, and automatic signal transmission functions into one automatic extinguishing device. This device not only ensures that the equipment and data within the cabinet are protected from fire hazards but also prevents it from becoming a fire source that threatens adjacent cabinets or the surrounding environment.

AFFS-NONPRESS-1U non-pressurized rack temperature-sensitive automatic fire extinguishing device is a pre-designed, assembled set with linkage control functions, including heptafluoropropane fire extinguishing agent, storage container, casing, initiation components, discharge components, and feedback components. The AFFS-NONPRESS-1U non-pressurized rack temperature-sensitive automatic fire extinguishing device consists of heptafluoropropane fire extinguishing agent, storage container, casing, container valve, temperature-sensitive initiator, magnetoelectric device, feedback components, and terminal blocks. It stores 3kg of heptafluoropropane fire extinguishing agent in its container. The system is modularly integrated, easy to install, simply insert into the cabinet, connect the terminal blocks, and fix the panel for use.

The fire extinguishing device has two activation methods:

1. In the event of a fire, the temperature-sensitive glass bulb bursts due to high-temperature exposure., activating the magnetoelectric device, which links to the fire extinguishing device to release the extinguishing agent from the nozzle for extinguishing;
2. In the event of a fire, smoke and temperature sensors, and other external fire detectors detect the fire, generate an alarm signal, and link to the fire extinguishing device to activate the fire extinguishing device, releasing the extinguishing agent from the nozzle for extinguishing.

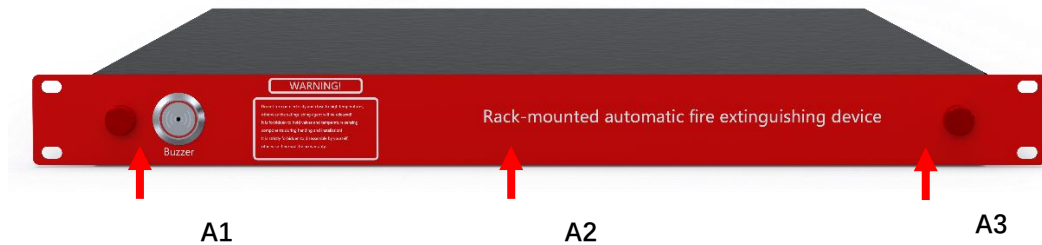


Characteristic

- The product uses advanced non-pressurized technology, no maintenance is required during its lifecycle, and there is no need to worry about pressure drop affecting the extinguishing effect;
- It uses heptafluoropropane clean gas chemical fire extinguishing agent; it is colorless, odorless, low toxicity, non-conductive, non-polluting to the protected object, and will not cause damage to precision instruments and facilities;
- It has temperature control self-activation fire extinguishing function and dynamic environmental smoke alarm signal activation function, ensuring that the fire extinguishing device can be normally activated in extreme environments;
- No residue is left after extinguishing.

Profile/Outline

Front

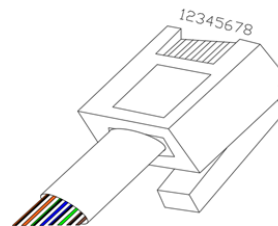
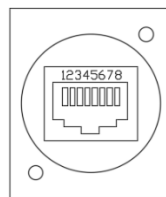


Rear

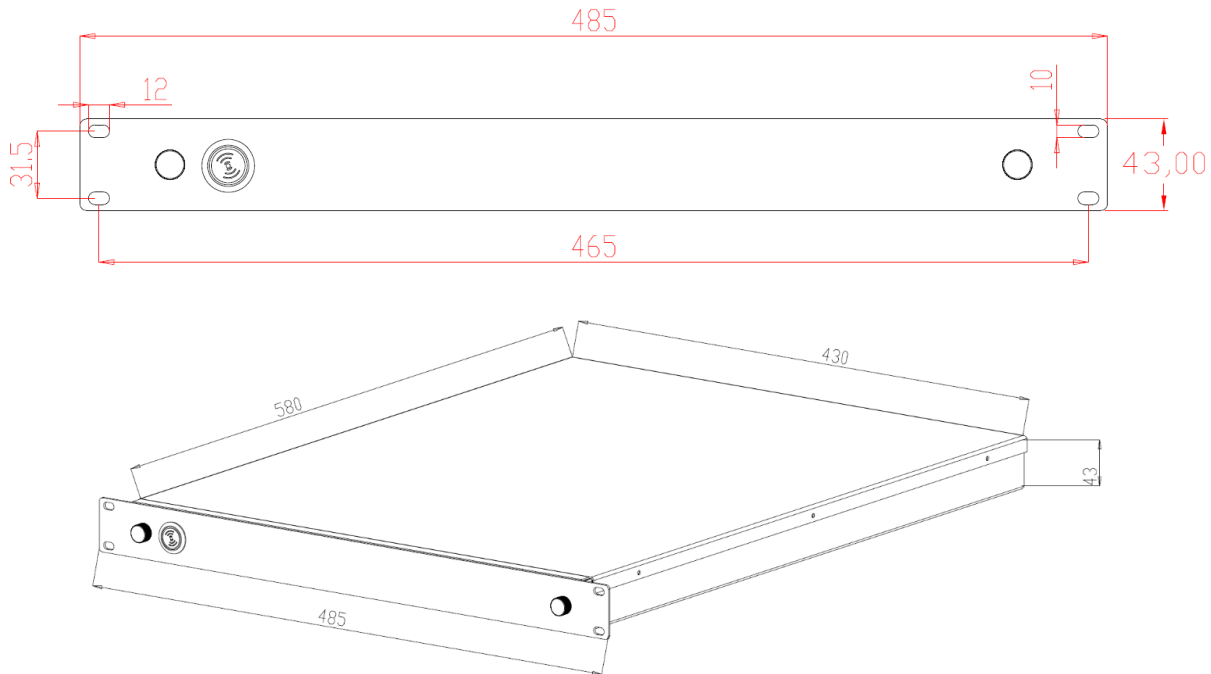


- A1: Buzzer
- A2: Rack automatic fire suppression system
- A3: Screws for securing the front panel
- A4: Power supply and communication interface
- A5: Activation glass bulb
- A6: Nozzle

- RJ45 panel wiring definition:
- 1, 2 for pressure feedback output (FB+/FB-)
- 3, 4 for electrical activation input (IN+/IN-)
- 5, 6 for spare
- 7, 8 for module power supply (12V+/GND)
- Note: Electrical signal activation needs to be used in conjunction with a temperature-sensitive smoke sensor, and the model of the temperature-sensitive smoke sensor is TS-SMOKE-DETECTOR-02.



AFSS



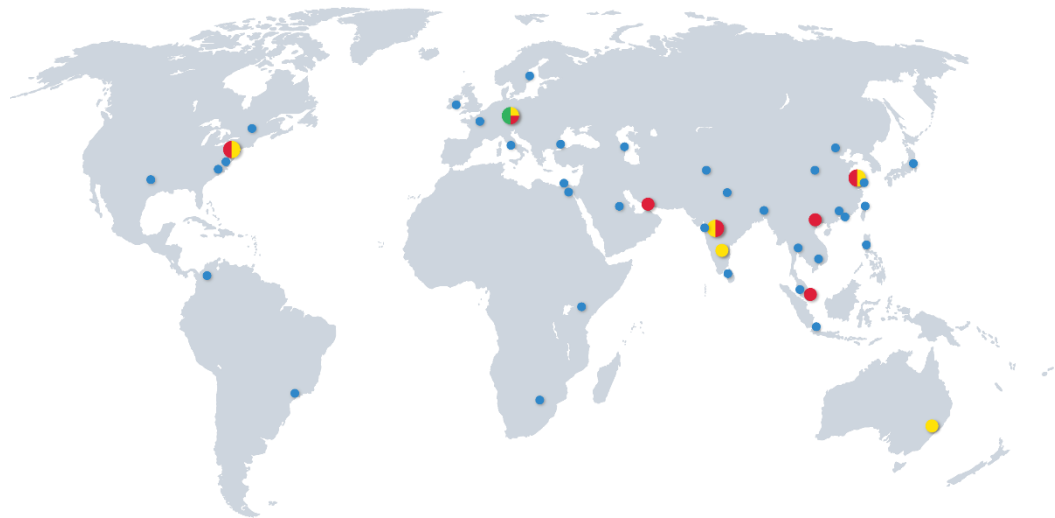
Technical Parameter

Item	Technical Parameter
Storage of container	3kg
Glass bulb activation temperature	68°C
Electrical activation conditions	DC5--24V, ≤300mA
Storage pressure(20°C)	None
Class A fire protection coverage	3.45m³
Class B fire protection coverage	4.47m³
Operating Temperature/humidity	0 ~ 50 °C 5% ~ 95% RH non-condensing
Storage Temperature	-40-70°C
Material	Aluminum anodic oxidation treatment for cover
Extinguishing agent	Fk5112 (Perfluorinated hexanone).
RoHS	Yes
Net weight	10kg

Description

No.	PN	Description
1	AFFS-NONPRESS-1U	Non-pressurized fire-fighting unit-1U

GLOBAL FOOTPRINT



Headquarters

Donauwörth - Germany
PROSE Technologies GmbH
Add.: Dr.-Friedrich-Drechsler-Straße 14, 86609
Donauwörth, Germany
E-mail: info.eu@prosetechnologies.com

Western Europe

Dublin - Ireland
PROSE Technologies (Ireland) Limited
Add.: 6th Floor, South Bank House, Barrow Street,
Dublin 4 Ireland
E-mail: Info@prosetechnologies.com

Eastern Europe & Central Asia

E-mail: info.eeca@prosetechnologies.com

North America

New Jersey - America
PROSE Technologies LLC
Add.: 550 Clark Drive Budd Lake, NJ 07828, United
States of America
Tel: +1 888 840 4066
E-mail: info.us@prosetechnologies.com

Middle East

Dubai - UAE
PROSE Technologies DMCC
Add.: 3702, Mazaya Business Avenue BB2, JLT, Dubai
Tel: +971 4 3999168
E-mail: info.ae@prosetechnologies.com

Africa

Nairobi - Kenya
PROSE Technologies Africa (PTY) Ltd
Tel: +254 780440410
E-mail: info.ke@prosetechnologies.com

Gauteng, (Johannesburg) - South Africa
PROSE Technologies Africa (PTY) Ltd
Add.: Building 20, Cambridge Office Park, 5 Bauhina
Road, Highveld Techno Park Centurion, Gauteng 0169,
South Africa
Mobile: +27 725554840
E-mail: info.za@prosetechnologies.com

South Asia

Mumbai - India
PROSE Technologies India Private Limited
Add.: 403-407, Eco Star, Vishveshwar Nagar,
Goregaon East, Mumbai, India 400063
Tel: +91 22-66453000
E-mail: info.in@prosetechnologies.com

Pune - India
PROSE Technologies India Pvt.Ltd
Add.: A-79, Block-A, Horizon Industrial Parks, Phase II,
MIDC Chakan Industrial Area, Khed, Pune, India
410501
Tel: +91 2135-635200
E-mail: info.in@prosetechnologies.com

Bangalore - India
PROSE Technologies India Private Limited
Add.: No.494 East End Main Road, Jayanagar IX Block,
Bangalore, India 560069
E-mail: info.in@prosetechnologies.com

New Delhi - India
PROSE Technologies India Pvt.Ltd
Add.: H-3/157, 2nd Floor, Vikas Puri, New Delhi, India
110018
E-mail: info.in@prosetechnologies.com

Dhaka - Bangladesh
PROSE Technologies (Bangladesh) Limited
Add.: House-360 (2nd Floor), Lane-5 (East), Baridhara
DOHS, Dhaka-1206, Bangladesh
Tel: +880 1977070130
E-mail: info.bd@prosetechnologies.com

Islamabad - Pakistan
Add.: Unit 514, 5th Floor, ISE Towers, Islamabad,
Pakistan
Tel: +92 3335357733
E-mail: info.pk@prosetechnologies.com

Sri Lanka
Tel: +880 1977070130
E-mail: info.lk@prosetechnologies.com

South East Asia

Selangor - Malaysia
PROSE Technology (M) Sdn. Bhd
Add.: Unit 2-1, Level 2, The Podium, Tower 3, UOA
Business Park, No 1, Jalan Pengaturcara U1/51a,
Seksyen U1, 40150 Shah Alam, Selangor, Malaysia
Tel: +60 126859319
E-mail: info.my@prosetechnologies.com

Bangkok - Thailand
PROSE Technology (Thailand) Co., Ltd
Add.: 349 SJ Infinite I Business Complex, 9 Floor, Room
905, Vibhavadi Rangsit Road, Chom Phon Sun-district,
Chatuchak District, Bangkok Province, Thailand
Tel: +66 80 6606630
E-mail: info.th@prosetechnologies.com

Singapore
PROSE Technologies (Singapore) Pte.Ltd
Add.: 10 Anson Road#13-15 International Plaza
Singapore 079903
Tel: +6598366793
E-mail: info.sg@prosetechnologies.com

Hanoi - Vietnam
PROSE Technologies (Vietnam) Company Limited
Add.: Floor 15, Vinaconex 9 Building, HH-2 Block,
Pham Hung Street, Me Tri Ward, Nam Tu Liem District,
Hanoi, Vietnam
Tel: +84 933086498
E-mail: info.vn@prosetechnologies.com

Taguig - Philippines
PROSE Technologies Philippines, Inc.
Add.: Unit 17 19th Floor Highstreet South Corporate
Plaza Tower 1, 26th Street corner 9th Avenue, Bonifacio
Global City, Taguig City, Philippines
Tel: +63 27572762
E-mail: info.ph@prosetechnologies.com

Jakarta - Indonesia
PT. PROSE Technologies Indonesia
Add.: Plaza Sentral 6th Floor, Jalan Jenderal Sudirman
No. 47, Jakarta 12930, Indonesia
Tel: +62 21 57901997
E-mail: info.id@prosetechnologies.com

East Asia

Suzhou - China
PROSE Technologies (Suzhou) Co.,Ltd
Add.: No. 6, Shen'an Road, DianShanHu, Suzhou,
JiangSu, China
E-mail: Info@prosetechnologies.com

Beijing - China
PROSE Technologies (Beijing) Co.,Ltd
E-mail: Info@prosetechnologies.com

Shanghai - China
PROSE Technologies (Shanghai) Co.,Ltd
E-mail: Info@prosetechnologies.com

Dongguan - China
Add.: Room 1506, building 1, No. 1, Yile Road,
Songshanhu Park, Dongguan City, Guangdong
Province, China
E-mail: Info@prosetechnologies.com

Hongkong - China
PROSE Technologies Company Limited
Add.: Unit B 13/F,Prat Commercial Building, 17-19 Prat
Avenue, Tsimshatsui, Kowloon, HongKong, China
Tel: +86 512 86896789 - 2921/2922
E-mail: info.hk@prosetechnologies.com

Taiwan
Tel: +63 2 7572762
E-mail: info.tw@prosetechnologies.com

Oceania

New South Wales - Australia
PROSE Technologies (Australia) Pty. Ltd
Add.: 5/13 Boundary Rd, Northmead, NSW 2152,
Australia
Tel: +61 2 78055523
E-mail: info.au@prosetechnologies.com