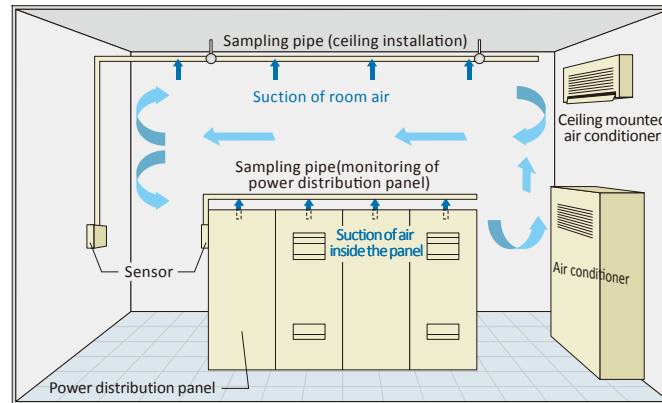
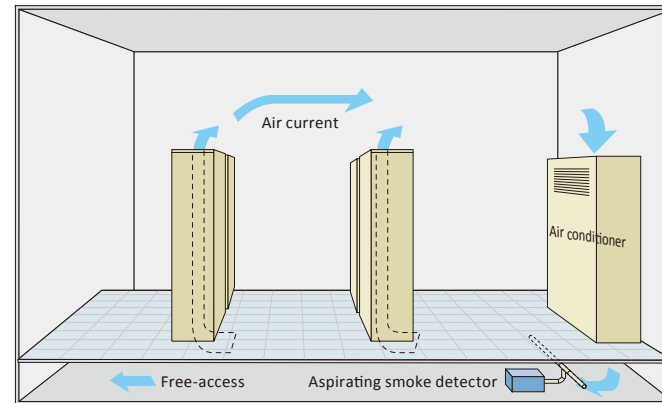


System installation example

Power distribution facility

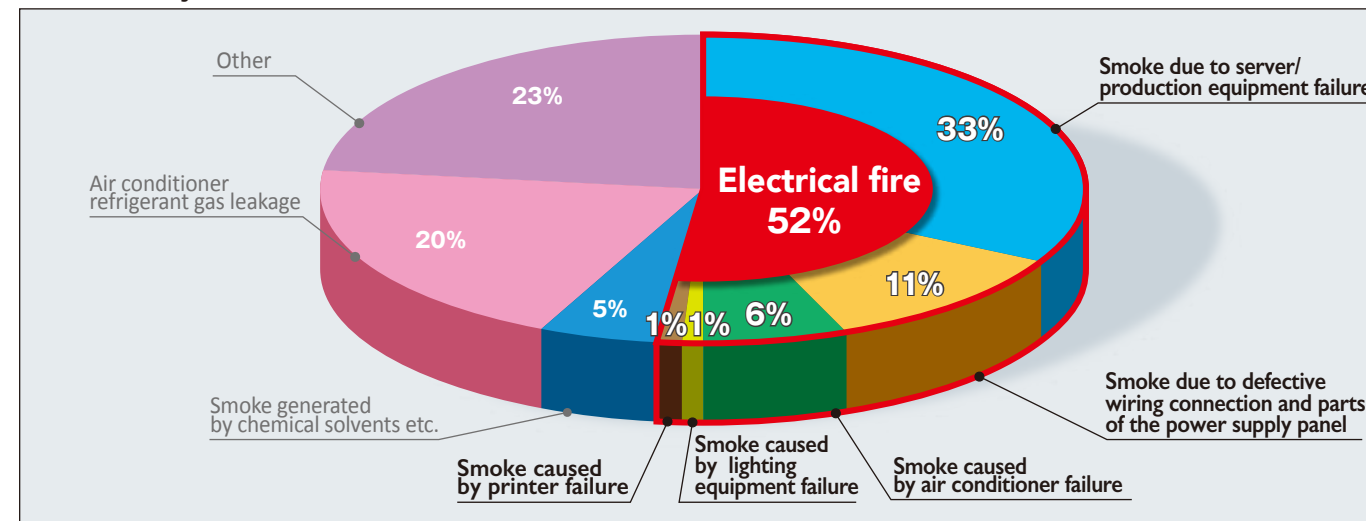


Server room



Example of smoke detection using an aspirating smoke detector

There are many cases of smoke detection due to electric fires.



Applications

- Server room
- Electric room and power distribution panel
- Manufacturing equipment
- Data center
- Lithium battery aging warehouse
- Clean-room etc

You can see the fire detection experiment at our factory.

⚠ Safety Cautions

- For safety purposes, carefully read the instruction manual before use, or consult with us to ensure proper use.
- For maintenance of your important fire detection system, please contact our authorized distributor.
- This product is not a component of automatic fire alarm system specified in the Japanese Fire Service Act. Consult with us when using it as a substitute for the automatic fire alarm system.

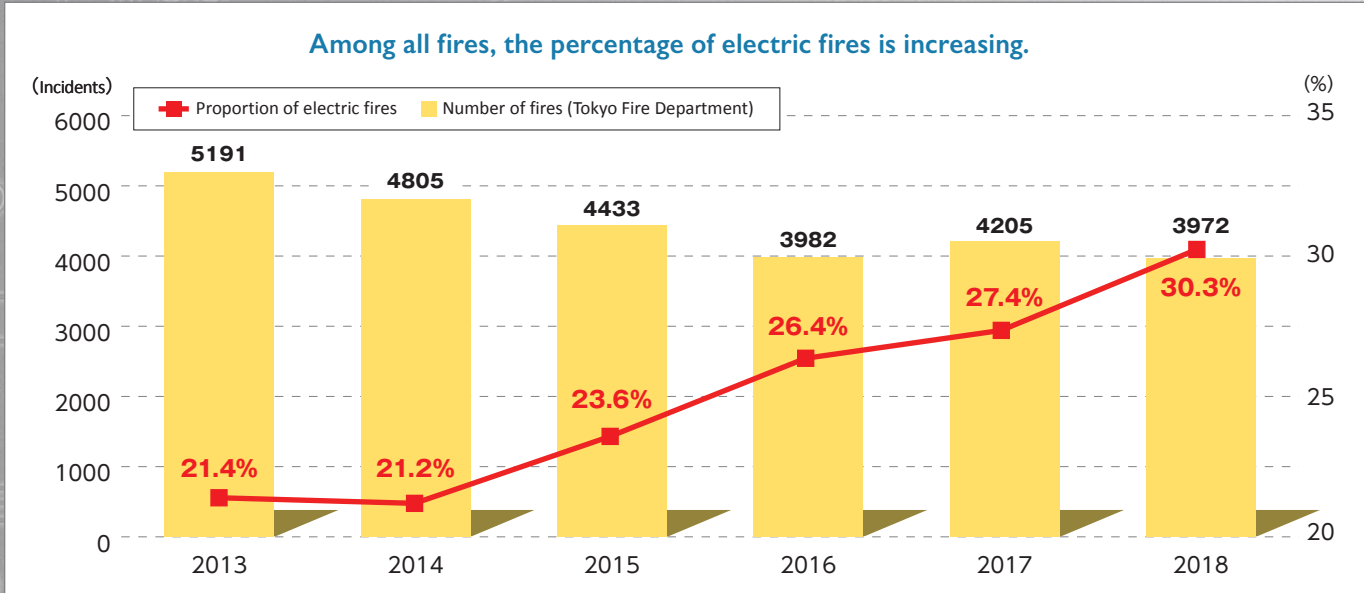
- The PROTECVIEW is a registered trademark of Nohmi Bosai Ltd.
- The color in this brochure may be slightly different from the actual product due to printing conditions.
- The contents of this catalog are as of August 2020.

Electrical fire

Is the fire protection perfect?

Electric fires increasing year by year. The damage becomes enormous and may cause serious damage to business continuity.

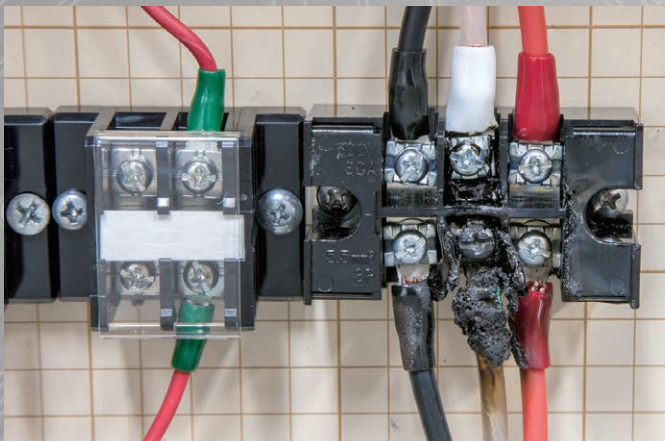
Electrical fire



Source: Tokyo Fire Department

Example of electric fire accident

Smoke accident due to loose connection terminals



Fire accident at an outlet due to tracking



Unmanned facilities and air-conditioning circulation facilities require early fire detection.

Fire characteristics in power distribution / server rooms

The smoke is generated in the power distribution panel and server rack.



Situation when the spot-type smoke detector is activated

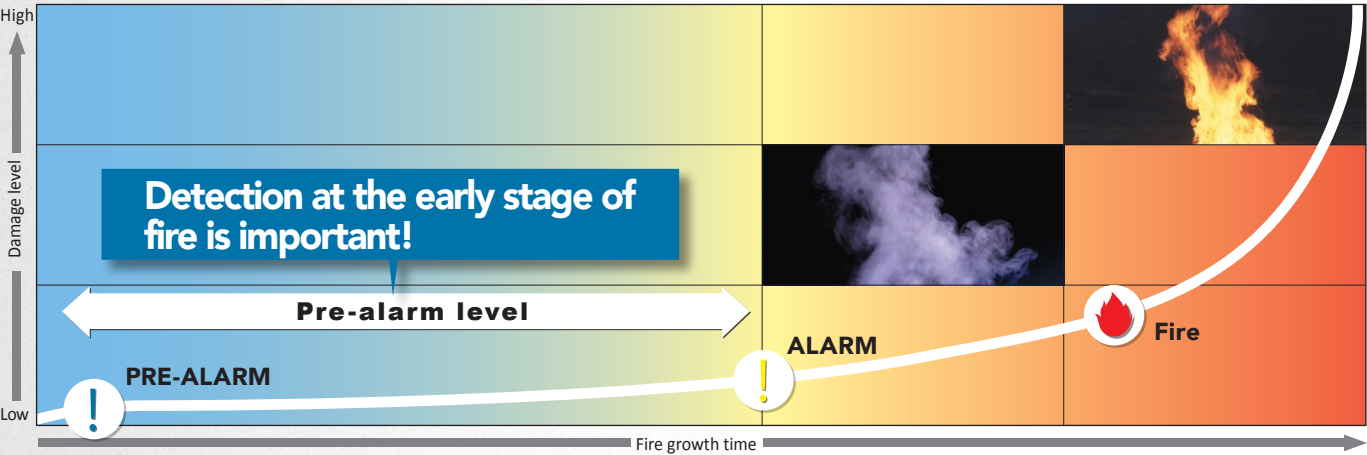


Number of air recirculations: Approx. 17 times/hour

Toxic gas / smoke is diluted and fills the room.

The damage can be minimized by detecting early stage of fire.

Fire growth curve



Aspirating smoke detector (PROTECVIEW®)

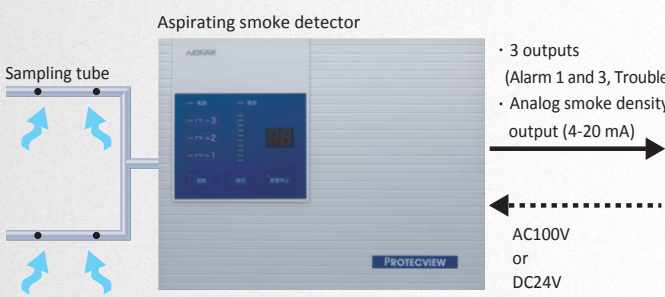
This system is intended for early detection, early response, and early recovery of fires by monitoring the signs of fire with a high-precision sensor.

Stand-alone type

Feature

This type is suitable for monitoring small-scale areas, manufacturing equipments, power distribution panels, etc.

Systems configuration

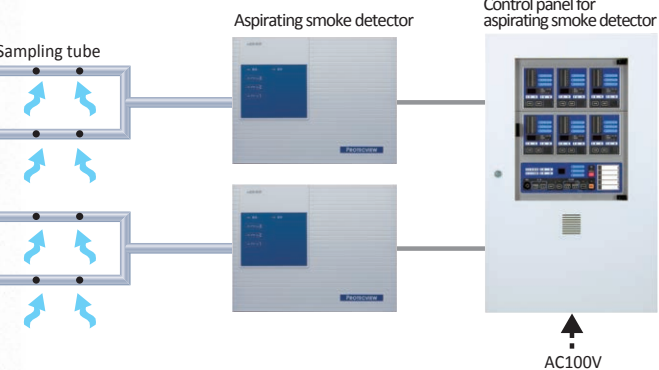


Control panel connection type

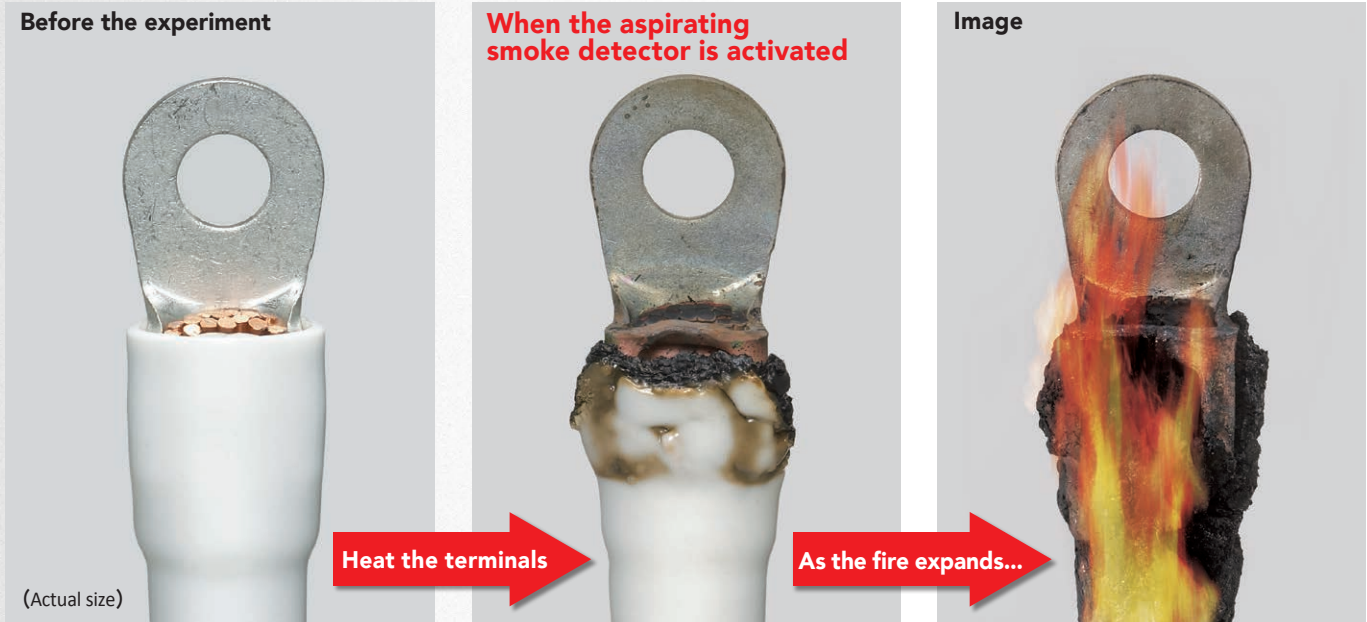
Feature

This is a standard type that can be used for monitoring from small to large-scale areas.

Systems configuration



Example of early fire detection



[Experimental conditions] ■ Experimental facility area: 173m², room volume: 528m³, with air conditioning circulation: ■ Alarm level: 0.04%/m
■ Cable specifications CV cable 100sq ■ Experimental method: Cable terminal section overheated
● Actual detection status may differ from the result of this experiment depending on the fire occurrence.