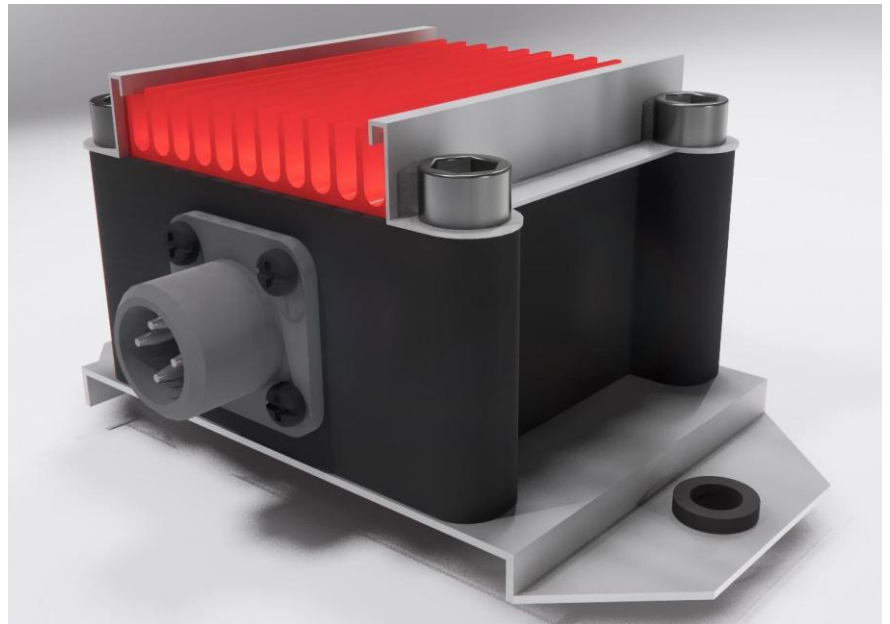


# Detection & Extinguishing Release module



## Pyralis detector & activator

The Pyralis thermal activation module is a unique thermal fire detection and electrical activation device designed to activate aerosol suppression units. Independently of a power source, it realizes fire detection and activation of a fire suppression system. This module is developed for placement on an object or inside/outside the protected area where there is no room for or provision for a fire alarm/extinguishing system

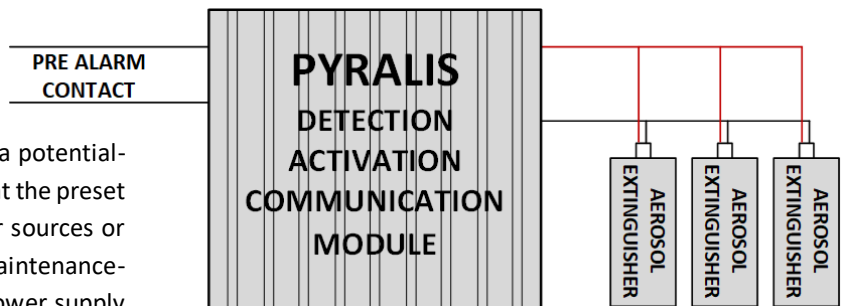


This automatically thermodynamically energy-harvesting activation module is unique in its kind.

The Pyralis is a patented detection, activation, and communication module. The functionality of Pyralis is based on thermodynamic technology and detects temperature rise in a room and converts this temperature change into electrical energy.

The thermally generated energy is stored in the module for the activation of, for example, aerosol suppression units.

Besides activation output, the module also has a potential-free relay contact that sends a pre-alarm signal at the preset temperature. All of this without external power sources or batteries. Pyralis is a fully independent and maintenance-free device and does not require an external power supply to function.



There are two versions of this module available.

Version 1 (AF (air flow)), as depicted above, is intended for heat absorption through the ambient air/temperature.

Version 2 (SP (sensor plate)) is a module with a contact plate that is placed directly on the object to be protected or against the outer side of the volume to be protected.



Article code	Description	Pre-alarm temperature	Activation temperature
N2KB/1001/AF	Thermal detection and actuation module (air flow)	65°C	85°C
N2KB/1002/AF	Thermal detection and actuation module (air flow)	85°C	105°C
N2KB/1003/AF	Thermal detection and actuation module (air flow)	85°C	130°C
N2KB/1004/SP	Thermal detection and actuation module (sensor plate)	65°C	85°C
N2KB/1005/SP	Thermal detection and actuation module (sensor plate)	85°C	105°C
N2KB/1006/SP	Thermal detection and actuation module (sensor plate)	85°C	130°C
N2KB/2001	Cable set for connecting the detector		
N2KB/2002	Additional assembly plate		

Our products are constantly being improved, specifications can change without notice  
N2KB B.V. Hargplein 36 3121VC Schiedam Netherlands

## Applications of Pyralis module

### Pyralis detector & activator

A patented detection, activation and communication module without the need for an external energy source. Operation and activation is based on thermodynamic energy harvesting technology.

- Material: polycarbonate and aluminum
- Dimensions: 55 x 69 x 42 mm
- Protection class: IP67
- Self-repairing mechanism
- Activation voltage 25 V, 3 A
- Lifespan: 15 years
- Max protected area 20m<sup>2</sup>
- Maintenance-free



Pyralis' functionality is based on thermodynamic energy harvesting technology and detects the heat rise due to fire in a room, and converting this heat change into electrical energy.

The scope is broad and diverse.

We have therefore divided it into six segments.

1. Locations with storage and/or technical installations where NO power supply is available.
2. Locations where there is no space for a standardized fire detection/extinguishing release panel.
3. Locations where environmental conditions prevent the use of a standard fire detector.
4. Storage of hazardous materials, such as small chemical waste containers at recycling and/or collect centers.
5. Containers for the transport of hazardous materials and/or valuable goods.
6. Cabinets/containers designed for the storage of hazardous materials, including batteries.

