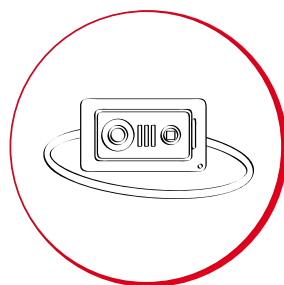
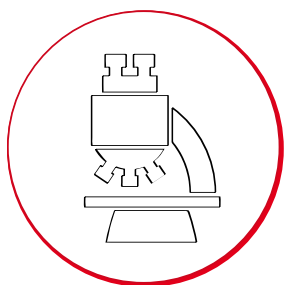


Automotive<sup>®</sup>  
**Firecom**

*The Aerosol fire suppression systems*



Ministero delle Infrastrutture e dei Trasporti



# Kit Pullman AK0745

## Active protection against fire

The AK0745 BUS kit of Firecom Automotive is a system for detecting and extinguishing fires that could develop in the engine compartment and/or in the pre-heater compartment of a bus.

The system consists of:

- n°1 electronic unit, named UDS-A charges to:
  - to managing the thermal sensors that detect the fire;

- to analyze the signals sent by heat sensors and manage the FPG Firecom generator;

- control, both automatic and manual, and check, with signal LED's, the system;

- n°3 temperature sensors (RTDs) designated for fire detection in the engine compartment. In case you want to supervise also the pre-heater compartment, the kit provides an additional temperature sensor.

- n°1-2 FPG Firecom aerosols generators with 715g of compound. In case you want to supervise also the pre-heater compartment, the kit provides an additional generator with 90g compound.

The kit Bus can operate in fully AUTOMATIC, activating the charge extinguishing after 10" from the fire detection even without the presence of an operator.

The detection of the fire is completely electronically by the use of resistance thermometers, and not via thermosensitive cable or similar.

The kit AK0745 includes a separate management of the fire detection and extinction of the engine compartment and the pre-heater compartment.

Extinguish fire in the engine compartment, carried out by the action of 1 or 2 generators

ators, can occur in two consecutive moments, at the end of the 10 " fire detection is activated by the first generator then, at the end of discharge activates the second generator.

The KIT Bus provides the possibility of interfacing with the CAN-BUS system of the vehicle.

The AK0745 is completely free of maintenance since all the functions are self testing electronics including the integrity and functionality of Aerosol generators, whose faults are automatically displayed after turning off the green light "FPG" on the part of control.

The special technology of the system does not provide nozzles subject to clogging due to the atmosphere that may have suspended fatty particles or dust.

The absence of pipes avoids any breakage due to mechanical fatigue from vibration.

The absence of tank containing gas or fluid under pressure, in addition to reduce substantially the weight of the fire extinguishing system, completely eliminates the potential hazard due to the transport of said containers.

The infinitesimal size of particulate aerosol potassium, in case of discharge does not generate dirt in the engine compartment, even if the engine is running and if aspirated does not scratch or corrode the cylinders and being dielectric does not cause problems of any kind implant electric or electronic systems.

The kit AK0745 has been approved by the Italian Ministry of Transport for electromagnetic compatibility.

Approval n.E3-R10-04-7138.

5 years warranty – made in Italy



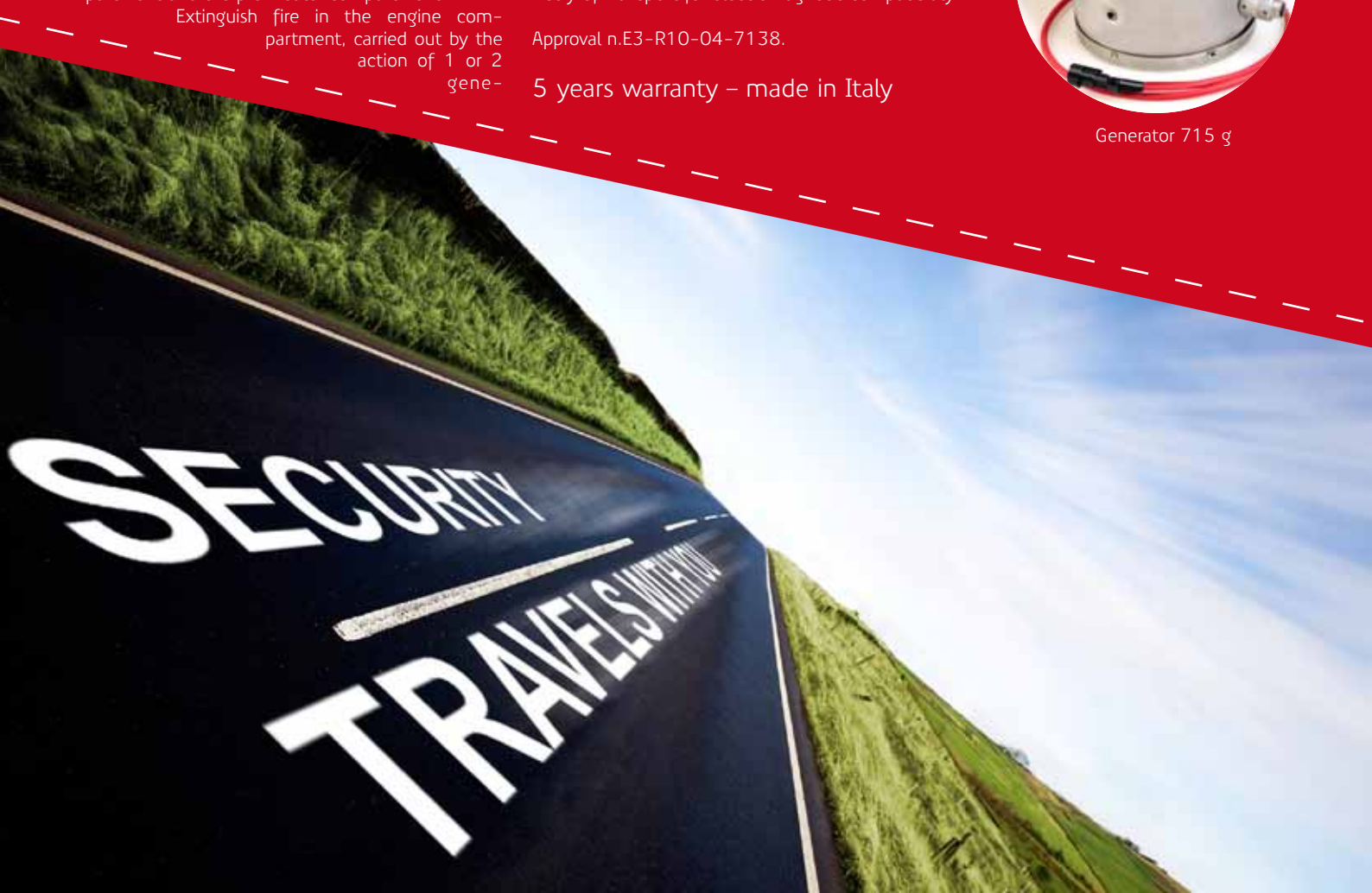
UDS-A



Temperature sensors



Generator 715 g



# Aerosol fire extinguishing systems



Firecom is an Italian company with its headquarters and production facility in Italy. We design, manufacture and sell aerosol fire extinguishing systems for the protection of vehicles: buses, minibuses, heavy-duty vehicles: any type of vehicle can be protected with one of our systems. Our technology is based on fire extinguishing aerosol-forming compounds with Potassium salt. Due to their characteristics, our systems do not have pressure cylinders, no nozzles that can get clogged, and no piping subject to mechanical fatigue caused by vibration. The aerosol is non-toxic, environmentally friendly and dielectric fire extinguishing. It suppresses the fire without damage electrical, electronic and mechanical parts. A small quantity of the aerosol is able to protect large areas: our systems take up much less space than traditional systems. Fire class: A,B. We hold ISO 9001:2008 quality management certification.



## Advantages:

- no pressure cylinders, no nozzles and no piping
- absence of overpressure during the discharge
- The infinitesimal size of particulate aerosol potassium, in case of downlad does not generate dirt in the engine compartment, even if the engine is running and if aspirated does not scratch or corrode the cylinders
- The Aerosol is dielectric: no problem to electric/electronic systems of bus
- No-toxic
- Environmental friendly
- Estimated Life time 20 years



## Utilization:

Protection of engine and pre-heater compartments (webasto)



## Installation

- Easy to install
- Free of maintenance
- Low cost system



# SECURITY TRAVELS WITH YOU

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