

# FOR MOBILE EQUIPMENT AND OFF-ROAD VEHICLES



ORDINARY COMBUSTIBLES



FLAMMABLE LIQUIDS



ELECTRICAL EQUIPMENT



## SYSTEM DESCRIPTION

The systems are designed to detect and fight a fire in the early stages (IR3). Each system consists of one or more cylinders containing an extinguishing agent, either a chemical powder or a liquid agent, or both. The system is activated electronically but can also be activated manually. Flexible hoses and nozzles allow for the fire extinguishing agents to be distributed to locations on the machine that are determined to be vulnerable to fire.

MSHA certified and FM and TC approved.

## FIRE SUPPRESSION METHOD

When a detection is confirmed in the protected area, a warning to the operator will be issued via the control panel. Then, the activation delay allows the operator to evaluate the situation and secure the machine before stopping it. The activation of the auxiliary functions will allow, among other things, to stop the engine in order to counter the risks of propagation or re-ignition.

## HOW THE SYSTEM WORKS

The operation of the system can be achieved using different activation methods as well as different detection modes.

- **Electrical manual activation:** Triggers the discharge of the fire suppression agent and the supporting functions of the control panel to be activated instantaneously. This activation is carried out directly from the control panel or via the remote actuators located at strategic locations on the machine.
- **Pneumatic activation:** It also triggers the agent to be discharged and the supporting functions of the control panel to be activated. This activation is done by removing the retaining pin from the remote pneumatic actuators (stand-alone/no power required). The nitrogen cartridge will then be punctured, and the activation gas will cause the release of the agent.
- **Automatic activation:** Linear detection, heat detector, when the sensing circuit reaches a predetermined temperature, a signal is transmitted to the control panel thus initiating an alarm and the full activation of the system within a predetermined time period.
- **INFRA-RED:** The fastest detection method (measured in thousandths of a second) allows the system to be activated even before the first flame develops.

*IMPORTANT: If while operating the machine you become aware of a fire, it is strongly recommended that you activate the system manually and exit immediately. DO NOT wait for the automatic process to start in order to mitigate any damage or injury that could be caused.*

## COMMON APPLICATIONS

- Heavy machinery, Agricultural vehicles,
- Forestry vehicles, Mining vehicles
- Emergency Vehicles, Transit Vehicles
- Transport of explosives, landfills