

# **FP-30 BUS**

## **AUTOMATIC FIRE EXTINGUISHING SYSTEM**

**Protects passengers - prevents extensive damage on vehicle.**



**FP-30 BUS is an automatic fire extinguishing system planned especially for buses and other public vehicles. Microprocessor based control unit guarantees reliable operation and effective fire extinguishing. The control unit monitors automatically the system and indicates possible faults to the driver.**

**The extinguishant used in the system is SAFEGUARD, which is one of the most suitable extinguishants for engine compartments.**

**SAFEGUARD is based on water, can be protected against freezing, extinguishes quickly, prevents from reflammation and is friendly to the environment and people. It is easy to clean-up after fire - needs only washing with water.**

### **SYSTEM BENEFITS**

- Extinguishes automatically even an unoccupied vehicle.
- Fast fire detection and alarm; effective extinguishing.
- Excludes risks involved in manual extinguishing.
- Automatic appliance stop function.
- Automatic monitoring of the system functions.
- Manual discharge always possible.
- Tested and approved according to valid regulation.



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## FUNCTION OF THE SYSTEM AT FIRE

### Motor compartment:

When any of the heat detectors detect fire:

- Alarm lamp starts to flash and the buzzer beeps on the control unit.
- Motor stops automatically, if the function is applied.
- Extinguishant discharges automatically. So that motor has time to stop, extinguishant discharges after a predetermined delay time.

The system can be switched to a semi-automatic mode with AUTO-switch. The system alarms automatically, but the extinguishant has to be discharged manually by the driver.

The system can always be discharged manually either by pressing down the discharge button on the control unit or by pulling out the release handle on the side of the vehicle.

### Passenger compartment:

When the smoke detector detects fire or smoke:

- Alarm lamp starts to flash and the buzzer beeps on the control unit.
- At alarm the driver examines the cause of alarm. Possible fire will be extinguished with portable fire extinguisher.

To prevent from unnecessary discharge of the system caused by e.g. smoking, it is not recommended to install automatic extinguishing into the passenger compartment. Naturally this can be done when necessary.

Alarm can be reset from the control unit.

### Structure of the FP-30 BUS automatic fire extinguishing system:

