



## FDSS / FAPS System For Bus

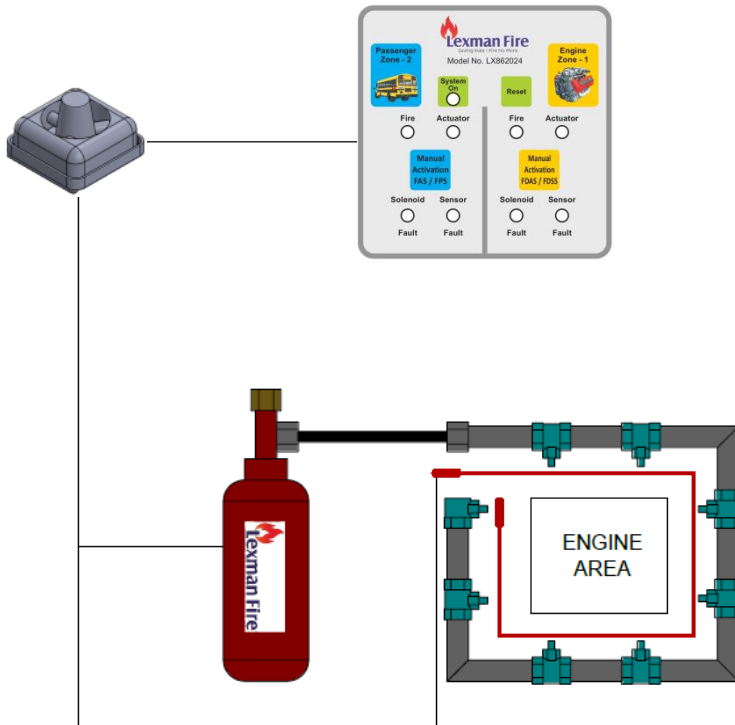


- ICAT (Govt. of INDIA) Certified FDSS/FAPS System as per AIS 135
- Transfer of Technology from Ministry of Defence (DRDO), CFEES
- INDIA's first German designed Zero leakage suppression system





# Fire Detection & Suppression System (FDSS)



To tackle risks in Engine we have designed and developed an advanced Fire Detection and Suppression System specifically for buses. This system incorporates highly sensitive and robust fire detectors, capable of identifying fire hazards in their early stages. Our System offers a reliable and effective solution to mitigate the destructive potential of fire in passenger vehicles.

Fast  
Fire Detection



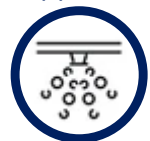
Low Pressure  
System



Automatic & Manual  
Activation

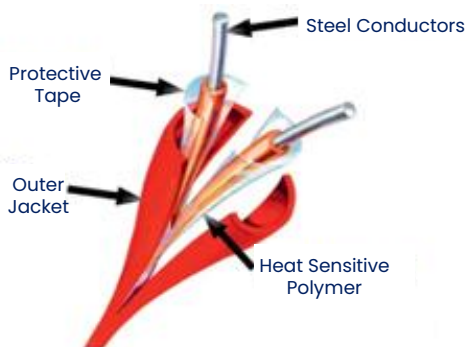
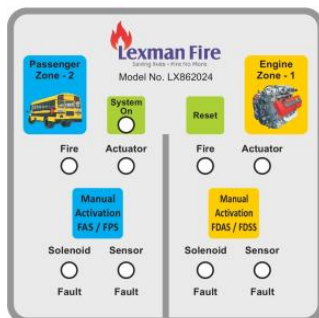


Fast  
Suppression



## Control Panel

It ensure seamless operation, monitoring, and response to fire emergencies. It acts as a centralized hub that processes signals from detectors and activates alarms as well as suppression systems when a fire is detected. **Control Panel protected with high level safety against short circuit.**



## Linear Heat Sensing Cable

It provides early fire detection by sensing temperature changes along its entire length, making it ideal for areas where traditional detectors may not be effective. It sends signal to control panel when temperature reaches to certain temperature.

**UL Approved LHS Cable.**

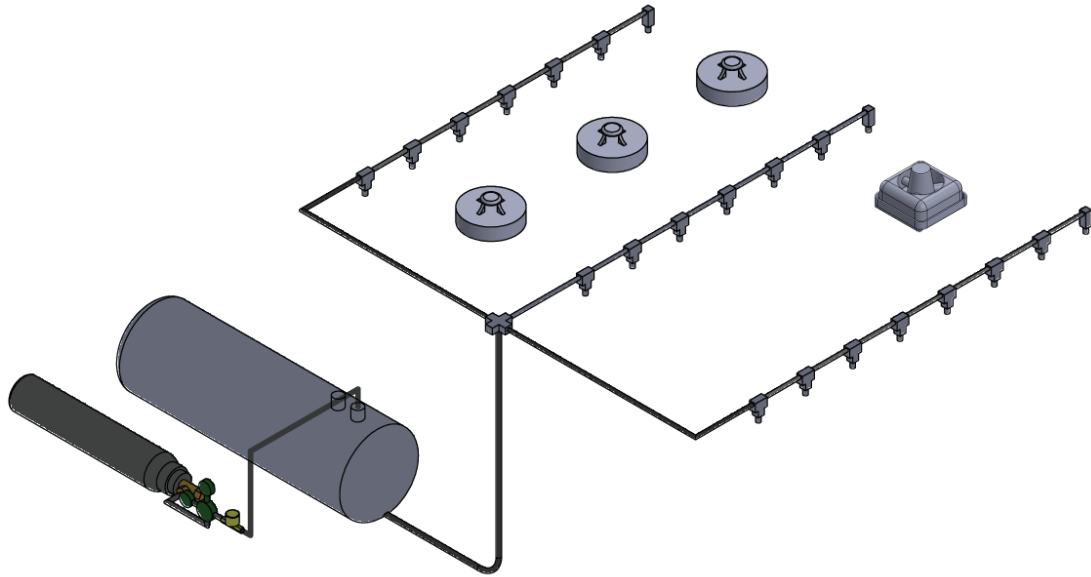
## Hooter

Fire Strobe Siren combines powerful sound and visual alerts to ensure effective emergency communication. Ideal for noisy environments and for those with hearing impairments, it delivers reliable alerts when it matters most.





## Fire Alarm & Protection System (FAPS)



Our Fire Alarm & Protection System (FAPS) is designed to protect lives and property by ensuring early fire detection, instant alerts, and rapid response to fire hazards. With cutting-edge technology and a commitment to excellence, we provide a reliable safety solution that minimizes risks and enhances fire preparedness.

24/7 Detection  
System



Wider Spray  
Angle

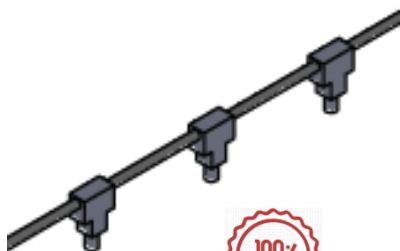


Faster  
Operation



Zero  
Leakage





**Zero Leakage**

## Suppression Grid

Suppression Pipe is a key part of the FAPS System, ensuring the efficient transport of water to extinguish fires. It forms the system's backbone, delivering a steady flow to nozzles. **Our German designed Zero Leakage Suppression System** guarantee for maximum reliability, preventing any water loss.

## Water Mist Nozzle

Nozzle is key component of FAPS & responsible for delivering the extinguishing agent effectively to suppress fires. Nozzle cap prevent blockage from environment dust & give 100% efficiency at the time of suppression.



## Smoke Detector

Smoke Detectors enhance fire safety by providing early warning, reducing damage, and ensuring swift action, keeping people and property protected at all times.

**LPCB Approved Smoke Detector.**





## Our Products Certification



Lexman Fire is committed to delivering high-quality, reliable, and compliant fire safety solutions. Our products meet international safety standards and undergo rigorous testing to ensure maximum efficiency and reliability in fire protection. These certifications reflect our dedication to safety, innovation, and regulatory compliance, ensuring that our fire protection solutions meet the highest industry standards for safeguarding lives and property.



## Why We Are Best

- LEXMAN FIRE is the first company to manufacture 90% products of FDSS/FAPS System in-house.
- LEXMAN FIRE introduce INDIA's first German designed Zero leakage FDSS/FAPS suppression system.
- DRDO (CFEES) approved Water Mist FAPS system.
- Control Panel protected with high level safety against short circuit.
- High quality suppression agent AFFF Foam for FDSS system.
- UL Listed Linear Heat Sensing Cable (LHS).
- LPCB approved Smoke Detectors.
- Nozzle is specially designed to suppress fire quickly.
- FAPS Water Mist Nozzle Dust Protection cap prevent blockage from environment dust & give 100% efficiency at the time of suppression.
- Easy to use control panel for FDSS/FAPS system.
- Nitrogen Pressure Release Valve made from Stainless Steel 304.
- Hose pipe made from Stainless Steel 304.
- ISI & CE marked cables used to protect against short circuits & fires.



**Lexman Fire**™

Saving lives - Fire No More

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