

Tyre Pressure Monitoring Systems

Did you know in 2015 The Office of Transport Safety Investigation reported that 40% of NSW bus fires were confined to the wheel well? Predominantly caused by dragging brakes, failed bearings and underinflated tyres. “Currently every week in Australia at least one bus experiences a potentially fatal fire incident. The potential for a fatal bus fire in Australia does exist, especially for buses operating in high density urban environments or in traffic tunnels” (refer BIC – Fire advisory report 2014)

Why choose a tyre pressure monitoring system? TPMS are proven to aid in the detection of potential wheel well fires, recommended by the BIC; The report states “Intermediate and Advanced Fire Mitigation Measures- Recommendation 7: “A system to monitor rear tyre pressures for high speed bus operations and to advise the driver if a tyre failure has occurred””

KlineFire in conjunction with Kidde Technologies are industry leaders in fire protection with over 150 years of industry experience. Home of optical detection, innovative non corrosive Purple K, Armoudillo LTD and Tyre Pressure Monitoring Systems.

A TPMS consistently monitors pressure within the Tyre itself, monitoring pressure is key in detection of heat transfer in the wheel well area. Any fluctuation can be a safety concern, using a TPMS is proven and even enforced by the NSW government in protection of buses from fire throughout the state.

KlineFire understand the requirements of bus operators, offering a range of the worlds most innovative yet cost effective systems, including Tyre Pressure Monitoring Systems. All KlineFire’s range of TPMS are inclusive of but not limited by;

- Consistent tyre pressure and temperature checks
- Self monitoring system for optimal tyre pressure
- Wireless connectivity from tyre device to cabin panel
- In cabin monitoring to alert driver of tyre pressure fluctuation

References:

OTSI – Office of Transport Safety Investigations. An Investigation into bus fires in NSW 2005-2012

BIC – Bus and Coach industry fire mitigation advisory 2014

TPMS Shown - Zylux group, Tyredog system.



This presentation contains no technical data subject to the EAR or ITAR