

HVAC CO₂ SENSORS

— Optimising fresh air ventilation in e-buses to reduce COVID risks —



Passenger safety on buses



ADVANTECH

Increasing the ventilation of an enclosed space is one of the most effective ways to control the spread of COVID-19 and other viruses with aerosol transmission. The World Health Organisation (WHO) recommends increasing ventilation in both buildings and public transport.

Thermo King has developed an innovative solution, ultimate protection and exceptional passenger comfort for e-buses equipped with Athenia heat pump systems.





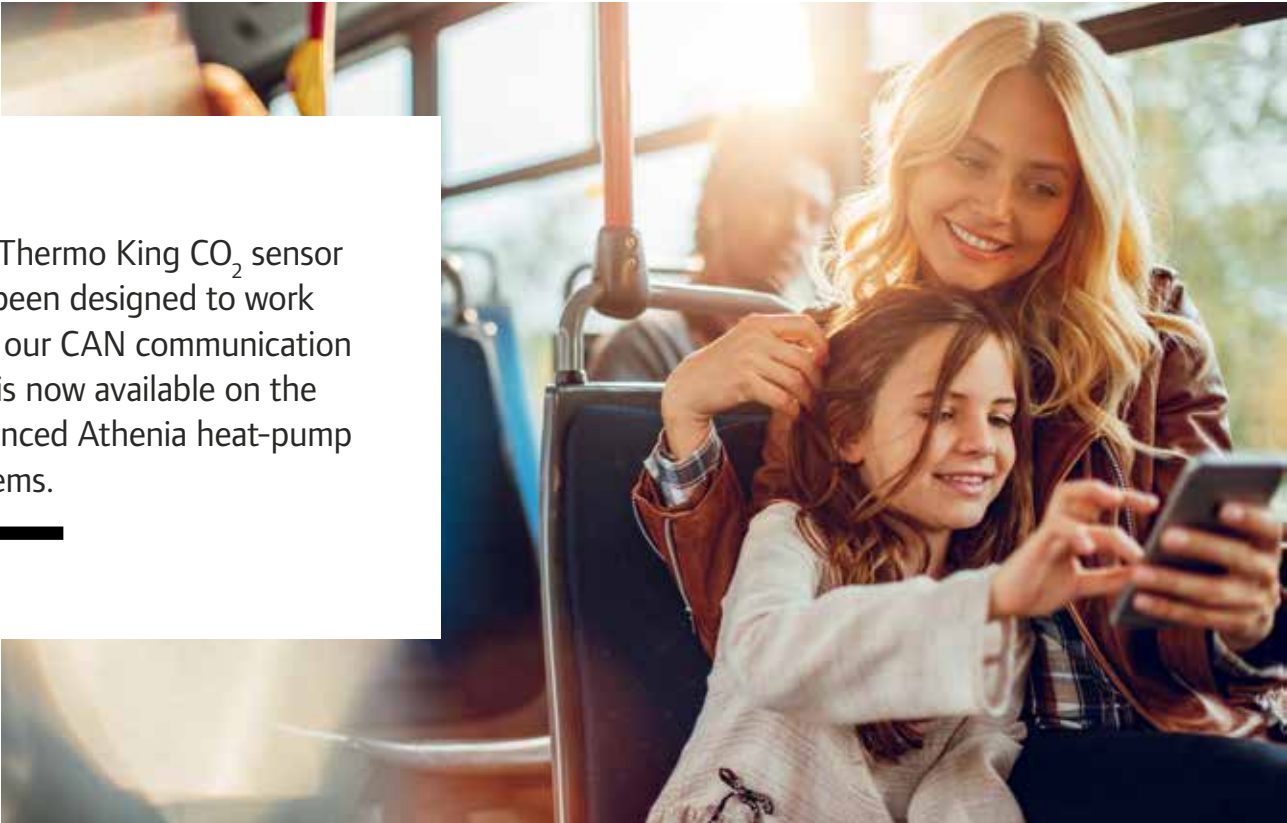
The best precautions

Thermo King HVAC systems are designed to optimise energy consumption and hence to extend the vehicle's operating range. This can result in a reduction of fresh air entering the passenger area. By introducing a CO₂ sensor, we can now monitor and control CO₂ levels, fresh air exchange and, critically, the presence of aerosols capable of spreading the virus. We do this by precisely controlling the amount of fresh air entering the vehicle so as to balance safety, comfort and energy consumption.

Benefits

- Monitors the CO₂ level in the bus and controls aerosols by managing fresh air ventilation
- Easy to install in 2 hours
- Non-intrusive design, not visible to passengers
- Fresh air flaps feature a step-less drive for smooth operation and optimal ventilation control
- Thermo King proprietary software monitors the CO₂ levels to provide the ideal balance between energy conservation and ventilation.

Note: If the bus is already equipped with a CO₂ sensor, please contact your Bus manufacturer or your local Thermo King Dealer to obtain the relevant software.



The Thermo King CO₂ sensor has been designed to work with our CAN communication and is now available on the advanced Athenia heat-pump systems.

24/7 support wherever you need us

Please contact your Bus manufacturer or your local Thermo King Dealer who will provide you with further product information and advice for your Thermo King HVAC system.

FIND THE SUPPORT THAT'S CLOSEST TO YOU

with our online dealer locator: dealers.thermoking.com

**FOR FURTHER INFORMATION ABOUT COVID-19, CHECK OUT
THE WHO Q&A PAGE ABOUT THE TRANSMISSION OF THE VIRUS.**





 **THERMO KING**

Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938.

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