

 THERMO KING

CANAIRE

BUS HVAC controller

For total climate control in buses



- *One-piece driver panel integrating control interfaces for saloon and driver's area*
- *ECO mode (fuel saving mode)*
- *Multiplex control system for communication with on-board bus controller*



 **Ingersoll Rand**
Climate Control Technologies



CANAIRE - Driver's panel, Main module, I/O module

This new HVAC control system from Thermo King provides full control over the saloon including floor heating, driver's area and auxiliary pre-heater in one set of control modules. Due to CAN technology (Controller Area Network) which is used for communication among all the modules, the controller set can be complemented by additional I/O modules as required by your application. This keeps your installation time low.

CANAIRE product features:

- Multiplex control system for communication with the on-board CAN system according to ISO11898 and/or SAE J1939
- One integrated driver's panel for driver and saloon area adjustment
- Graphic LCD display
- Real time clock built-into driver's panel
- Expandable with up to three Main modules to process the system control for different zones (articulated bus, double decker etc.)
- Expandable according to the application by adding as many I/O modules as needed
- Two independently configurable CAN ports => CAN gateway function of the Main control module for safe interfacing between Thermo King HVAC and the on-board bus system
- ECO operating mode to save fuel
- Control of auxiliary pre-heater
- Automatic or manual control of temperatures, blower speeds and Fresh/Recirc air
- Graphic LCD display
- Ambient and 2 set points temperature display for driver and saloon
- Control of latest screw compressor technology through unloading to save fuel
- Detailed diagnostic and service tools indicating i.e. a broken wire or if HP or LP switch has cut out
- Diagnostic tool directly connected via CAN



Driver's panel on the dashboard
(188 x 59 mm)



Main module inside the rooftop HVAC unit
(145 x 104 x 31 mm)



Input/Output module for floorheating or frontbox (120 x 68 x 28 mm)

For more information please contact:



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