



# HEC - HVAC Electronic Control



## APPLICATIONS

LRV | Metro | Regional & Commuter train | High-speed train |  
Locomotive | Passenger car | special vehicles

**KNORR-BREMSE**



# DESCRIPTION

A multi-purpose railway-embedded controller focused on HVAC equipment (local process, remote control and diagnosis). This new-generation state-of-the-art embedded controller is specially designed for railway HVAC applications. The main target is to achieve accurate and reliable regulation leading to an optimized solution for passengers in terms of safety and comfort.

## OPTIMIZED USE OF MATERIALS

- compact, low weight and reduced dimensions
- 40% less weight
- 50% less volume
- 30% fewer subassemblies

## ENHANCED MAINTAINABILITY

- rear connectors for easy replacement
- integrated Knorr-Bremse-standardized web-based service terminal (IST)
- backward compatibility with legacy controllers

## IMPROVED TRAFFIC MANAGEMENT / SAFETY

- backward compatibility with legacy controllers

## LESS LIFECYCLE COSTS

- allows implementation of advance monitoring and condition based maintenance (CBM) solutions
- TCO\* reduction vs. legacy systems

## INCREASED ENERGY EFFICIENCY

- low power consumption (14 W max.)

## REDUCED EMISSIONS

- reduced assembly effort (4 screws)
- improved manufacturing process: 30% less PCB area

Disclaimer: We have prepared the product description with due care but cannot exclude any errors. The product description does not contain any warranty or guarantee, in particular neither regarding correctness, accuracy and completeness of contained information nor regarding quality, negotiability, adequacy for certain purposes and compliance with laws and patents of described products.