

LogiCOLD.

Change directions. Control with ease!



AN INDUSTRY FIRST

LogiCOLD

The first microprocessor to spell out complete sentences, in the language of your choice.

We've built a new generation of microprocessors for transport refrigeration which is the exact answer to your needs. We know, because you told us exactly what you wanted.

The **operations manager** today needs an advanced control system that also enables data recording. The **driver** needs easy operation. And what your **technician** needs is faster troubleshooting.

Introducing **LogiCOLD**, the most user-friendly microprocessor in the industry, and an extremely powerful tool for unit management and diagnostics.



Easy to use

Clear messages - No more codes

An industry first: the message center

- ▶ Complete sentences are spelled out in the language of your choice.
- ▶ Drivers and technicians are prompted step-by-step through the unit operation.
- ▶ Complicated codes are a thing of the past.
- ▶ A microprocessor control system your drivers will truly enjoy using.

Simple to display - Easy to read

- ▶ Only four function buttons are visible on the keyboard.
- ▶ Characters are large and easy to read.
- ▶ Luminosity sensor adapts the keypad to the external luminosity level to ensure readability.

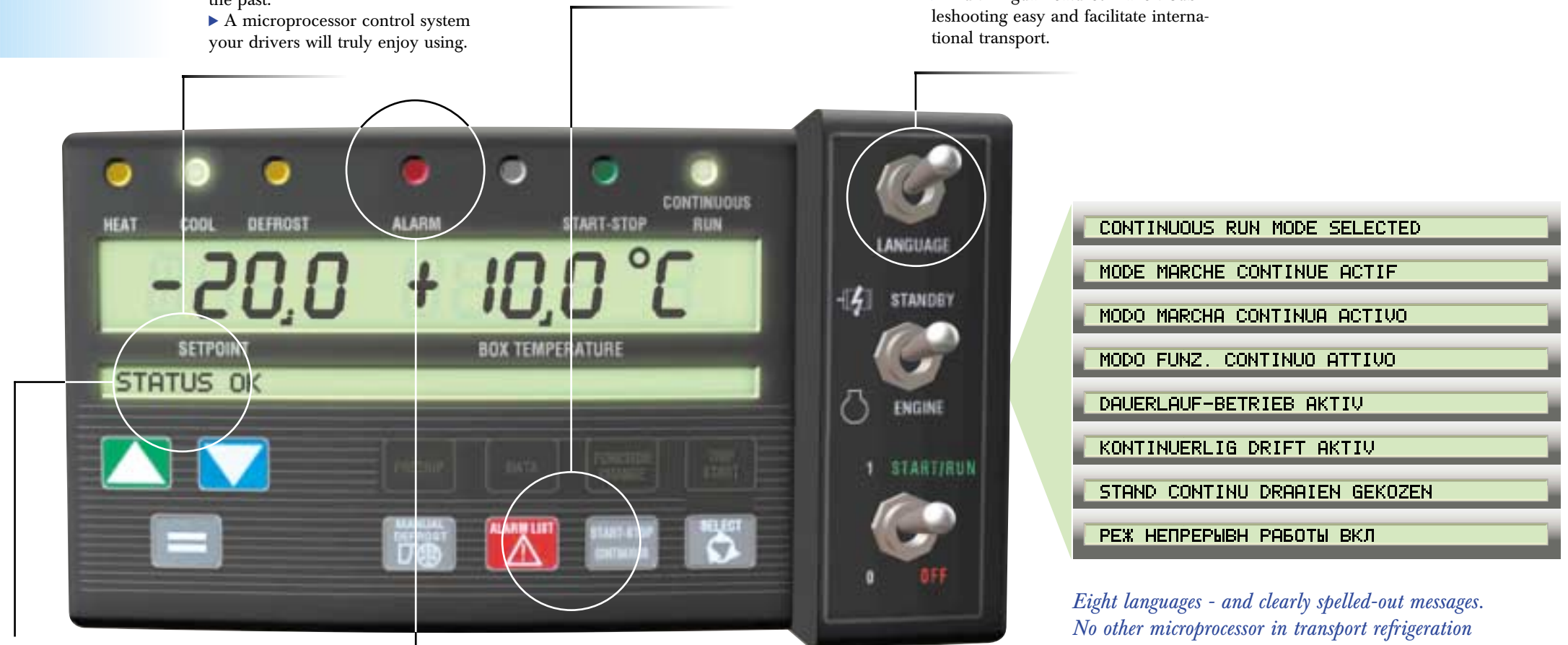
Choice of 8 languages

An industry first: a microprocessor that communicates in your own language

- ▶ With a choice between Danish, Dutch, English, French, German, Italian, Russian or Spanish.
- ▶ All languages can be easily selected at any time.
- ▶ Multi-lingual features make troubleshooting easy and facilitate international transport.

Easy to access - Secure operation

- ▶ LogiCOLD is located on the lower side of the unit, making it easier to access than other microprocessors in the industry.
- ▶ Function and configuration lock-out means use of the microprocessor is tamper-free.



Eight languages - and clearly spelled-out messages. No other microprocessor in transport refrigeration does this.

Fast, easy diagnostics

Alarm messages in the language of your choice

- ▶ Alarm messages are displayed in the message center, in the language of your choice.
- ▶ Up to 30 sensors are built into the micro: no need to use gauges, thermometers, ammeter or voltmeters any more.
- ▶ All alarm messages are stored in memory, even when the unit is switched off and the battery is removed.

Complete self diagnostics and early-warning system

- ▶ Colored light-bar constantly indicates unit status.
- ▶ Quick and comprehensive pre-trip: a complete mechanical, electrical and fluid level check is performed in less than 7 minutes.
- ▶ Programmable hourmeters remind you when to service the unit. This facilitates preventive maintenance.

Integrated temperature and data recorder

- ▶ The "black box" to record all unit and trip data is integrated with the microprocessor. So unit data can be easily downloaded to an integrated PCMCIA card available as a standard feature - no need to carry a PC anymore!

Exceptional functionality - all standard

- ▶ The most precise temperature regulation on the market guarantees the quality of your products during the whole trip.
- ▶ Simple upgrades and downloading of unit data with the help of a PCMCIA flashcard.
- ▶ Integrates satellite communication capabilities.

All standard!

- ◆ Message center
- ◆ Choice of 8 languages
- ◆ Colored lightbar for unit status
- ◆ Data recorder (512 K memory)
- ◆ 3 hourmeters
- ◆ 5 programmable hourmeters
- ◆ Automatic diagnostic pre-trip
- ◆ PCMCIA card (for micro upgrading and data downloading)
- ◆ Automatic Start/Stop (fuel economy)
- ◆ EcoMode (fuel economy)
- ◆ SleepMode (automatic restart function)
- ◆ SilentMode (low noise operation)
- ◆ Advanced Supply Air regulation (product freshness)

Unit data display:

- ◆ Pressures:
Evaporation, discharge, suction
- ◆ Temperatures:
Supply air, return air, ambient air, evaporator outlet, suction, compressor discharge, generator, engine coolant, defrost terminations
- ◆ Battery voltage
- ◆ AC & DC current draw
- ◆ Engine rpm
- ◆ Suction modulation valve opening
- ◆ Electronic expansion valve opening
- ◆ Start mode, automatic or manual
- ◆ Unit operation mode
- ◆ Trailer fleet number
- ◆ Unit serial number
- ◆ Key pad locking
- ◆ Alarms:
Driver alarms, shutdown alarms, start-up/engine alarms, warning/status alarms, electrical alarms, maintenance alarms, sensor alarms, microprocessor alarms.



- ▶ Full-featured microprocessor comes standard with every unit to provide optimum temperature control for your cargo.
- ▶ Easy-to-understand functions minimize driver errors and ensure safer operation.
- ▶ Easy diagnostics and early detection of malfunctions reduce unit downtime and maintenance costs.
- ▶ Multi-lingual features for easy troubleshooting and transport in any country easy.



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400 CARRIER SERVICE STATIONS
in EUROPE, FORMER SOVIET UNION,
MIDDLE EAST and AFRICA

Our company is constantly seeking to improve the quality of its products and, therefore, reserves the right to modify its products without prior notice.

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