

FUNCTIONS AT A GLANCE

Versatile controllers for a wide range of functions

- Basic functional processes and parameters pre-programmed
- Plain text display with several languages for each parameter
- Devices all work alone and can be combined freely
- One-finger operation facilitates commissioning and daily use of devices
- Two-second function of keys expands user options
- Clear parameter identification with quicklinks
- CAN-Bus interfaces for data transmission in the Wurm system

CRC-BL – the adaptation artist for many types of cold location

- Suitable for up to 4 cold rooms, cooling shelves, cooling counters, refrigerated islands or deep freezers
- Intelligent fan control, compressor surge protector, ventilator delay, thermal ventilator control and drip-off time
- Suitable for electro, forced air, hot gas and cold gas defrosting
- Defrost control with real-time clock
- Defrost synchronisation of several control devices
- Digital inputs for set value alteration and manual initiation of defrosting
- Display of current operating status of cold locations, heating function
- 3-point controller, averaging control

Function extensions for CRC-BL-EEV

- Up to 2 external displays can be connected
- Up to two freezer rooms by extension modules
- Up to two pulsed (X-tra-1) or continuous (X-tra-2) electronic expansion valves

DCC-BL – Compact compound controller for optimised compressor performance

- Up to 4 power steps with integrated operating hours meters for compound plants of different construction types
- Optimised base load change depending on running time and switching frequency
- Peak load shedding and fast return
- Suction pressure increase by means of switch contact; enthalpy shift with TRS
- Operating mode for controlling compressor capacity via voltage input
- 2 multifunctional inputs
- Cyclical forced switch-on for condenser fan
- Shift of condensation setpoint via outdoor monitoring
- Constant compressor and fan control
- Chiller solutions with control depending on forward flow or return flow temperature
- Suction gas monitoring
- Up to 8 performance levels with second DCC BL
- XLR control by extension module
- Also available as CO₂ version (DCO2-BL)



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FRIGOENTRY BLUELINE

A tried and tested system in a new guise



THE CONCEPT

CREATING PLANT CONCEPTS WITH REFRIGERATION TECHNOLOGY

With FRIGOENTRY BLUELINE (BL), Wurm is presenting the system, tried and tested thousands of times, in a new guise. You can achieve plants that use refrigeration technology with conventional demands and on a tight budget and benefit from the outstanding Wurm quality at the same time. Numerous control possibilities result from clearly allocated tasks, independent functionality and the ability to combine freely – also with the CRC-BL and CRC-BL-EEV devices for cold locations, the X-tra extension modules (X-tra-1 and X-tra-2) and DCC-BL for compounds.

Easy to follow, quick to use

All FRIGOENTRY devices can be parameterised using three keys, and no specialist knowledge is required. The one-finger operation makes not only commissioning easier but also daily use of the devices. The two-second function of the keys expands user options without becoming confusing.

All the information you require during use is made available to you via the plain text display. It has good contrast and a clear display, and can be used in various languages.

Economical in use

The controllers were developed with a high sustainability standard and can be used for many different types of cold location and compound plant. They are not only convincing from a technical point of view, but also in economic terms.

Technically sophisticated

FRIGOENTRY is in a broad voltage range and can be used reliably even in a heavily disturbed environment. The demanding legal norms for electromagnetic capability (EMC) in industrial surroundings are also exceeded by a considerable margin with FRIGOENTRY BL.

Extended plant concepts

All FRIGOENTRY BL components can be joined via the CAN bus to create control systems. This means that the project planning of individual, energy-efficient plant concepts can be done very easily. The FRIGOENTRY system is well established on the market. The redesign combines modern components with new, comfortable operation.

Info quickly at hand

One benefit of the new menu navigation is the interplay with the paperless info app. There is a quicklink allocated to every parameter in the device that leads directly to the corresponding explanation in the technical documentation when it is entered into the app.

Of course, it is 100% downwards compatible to the previous generation, FRIGOENTRY-XP.



OUTSTANDING FEATURES

Stand-alone vs. system

Each device is fully functional on its own and also fits perfectly into any system

Reworking the tried and tested

Despite its new design and modern components, it is 100% downwards compatible

Plain text display

All information is presented clearly with a description of each parameter



Technically sophisticated

EMC guidelines are fulfilled and exceeded

One-finger operation

Easy to use without key combinations

Two-second function

A second function activated by pressing and holding the key makes it easier to use