

CRE-BL GEN 2

COLD LOCATION CONTROLLER WITH EEV CONTROL

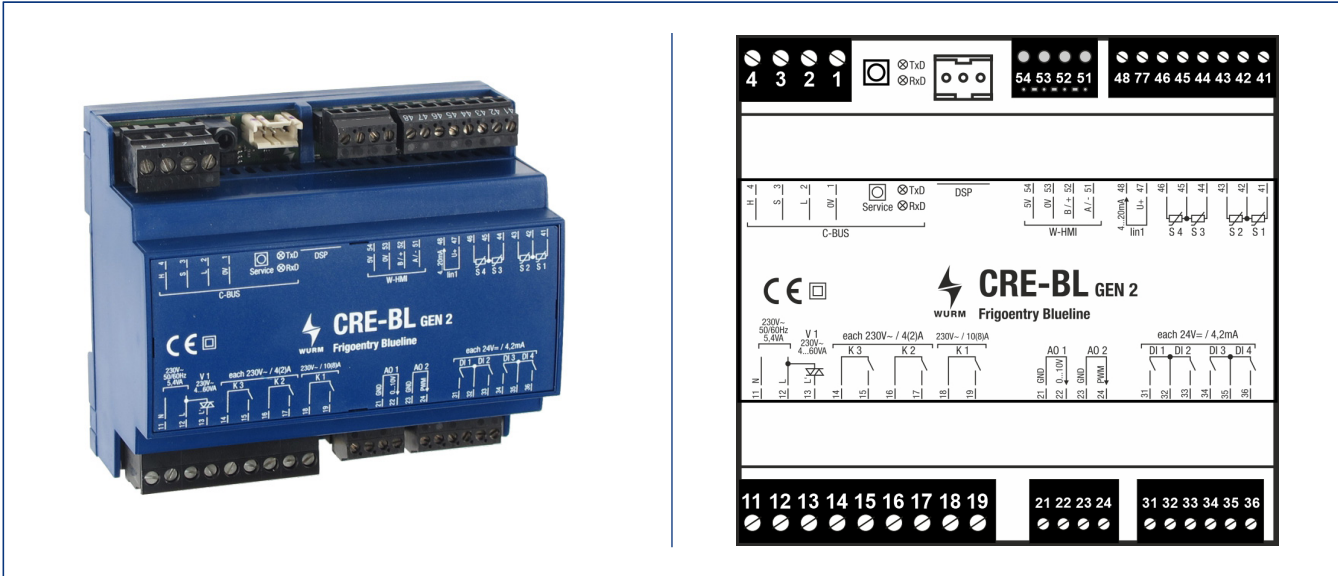
SEPARATE CONTROL PANEL FOR FRONT PANEL INSTALLATION



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FRIGENTRY

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Features

- Suitable for all cold location types, such as cold rooms and refrigeration units
- Superheating and modulated temperature control with clocked EEV or 0...10V
- Connection of compressor with frequency input is possible
- Connection for 4 temperature sensors (supply air, return air, limit and suction gas sensor)
- Weighting of 2 control sensors
- 2nd setpoint and independent day/night changeover
- Input for door contact switch with timed cooling interruption of 15min and adjustable alarm
- Circulated air defrost, electric defrost, hot gas defrost and cool gas defrost
- Defrosting can be set over 8 fixed times daily or for weekday
- Thermostatic fan control
- Fan control with run-up and run-down function
- Operation-dependent fan control through analogue output with adjustable speeds
- Oscillation protection and runtime monitoring
- 3-point control, e.g. for heating function
- Integrated real-time clock with power reserve
- Operation and display on the OPM-S remote control panel
- BLUELINE operation
- Large data memory for temperature list
- Quick installation on top-hat rail
- Plug-in screw terminals
- Support for higher baud rates on the Wurm CAN communication bus (C-BUS)
- Direct connection of a CAN-USB to the service socket
- Connection to the Wurm system via C-BUS and FRIGODATA XP

Accessories


OPM-S	Display with operating option for cold locations
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Technical data	
Power supply	230V~, +10% / -15%, max. 5.4VA
Display	2 x green LED, C-BUS data traffic (CAN Tx, CAN Rx)
C-BUS communication	3-conductor CAN bus interface with integrated power supply, galvanically isolated, service socket
Expansion module communication	Interface for OPM-S connection: 4-conductor interface with integrated power supply, max. 40mA
Temperature sensor	4 x TRK277/7 PLUS, DGF (TF201/231, K243) Supply air, return air, limit, suction gas
Digital inputs	4 x floating
Output relay	2 x normally open contact, 230V~, 4(2)A 1 x normally open contact, 230V~, 10(8)A 1 x semiconductor relay 230V~, 4...60VA
Display connection	1 x socket for pre-assembled line to display DSP002, DSP100, DSP-LCD, DSP-Booster
Analogue input	1 x 4...20mA
Analogue outputs	1 x 0...10V=, non-floating, max. load 10mA 1 x PWM/frequency 10V
Real-time clock	Battery-buffered
Monitoring system	Monitoring of data memory and connected sensors
Dimensions	(W x H x D) 106 x 90 x 58mm (DIN 43880)
Fastening	Top-hat rail TH 35-15 or TH 35-7.5 (DIN EN 60715)
Ambient temperature	Operation: -20...+55°C, storage: -25...+70°C
Weight	About 270g
CE conformity	- 2014/30/EU (EMC Directive) - 2014/35/EU (Low Voltage Directive) 
	RoHS II
Valid from	Version 2.0.1