



Quick Start Guide

Protection Mode (SE-B)

Quick Start Guide CM-RC-02

Please use this document only as additional information to the KT-240. All safety instructions of the KT-240 have to be considered. This document describes the change of the operating mode in BEST.

First set-up “Protection Mode (SE-B)”

For the replacement of the SE-B protection device, the CM-RC-02 has the “Protection Mode (SE-B)” selectable .

In Protection Mode (SE-B) the CM-RC-02 module monitors only the motor winding temperature.

BEST and BEST APP

To ensure that the CM-RC-02 module can be used as an SE-B protection device, the Protection Mode (SE-B) is available. The operating mode can be selected by BEST or BEST APP. When the CM-RC-02 is ordered ex-factory in Protection Mode (SE-B) the mode is already set. This is indicated with a yellow point on the CM-RC-02. A configuration in BEST is not necessary.

Configuration:

In the „Main Setup“ menu, the „Protection Mode (SE-B)“ function can be selected under the „Operating mode“ menu:

The screenshot shows the 'Configuration' window with a table of parameters. The 'Operating mode' row is highlighted in green, and its dropdown menu is open, showing 'Protection mode (SE-B)' as the selected option. A red box highlights the 'Protection mode (SE-B)' text in the dropdown menu.

Parameter	Unit	Default Setting	Actual Setting	User Setting
Main Setup				
Compressor model			4HE-25	
Compressor serial number (actual)			1010112345	
Operating mode			Protection mode (SE-B)	
Date		19.12.2023	19.12.2023	
Time		14:07:37	14:07:30	

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Wiring

The IQ-module is connected to the Motor-PTC Sensor for motor temperature monitoring via terminals CN11 and CN12 (orange cable).

The module must be connected to the supply voltage via terminals CN10:3 and CN10:4.

Terminal CN10:1 is provided for the safety circuit. If no alarm is active on the CM-RC-02,

the voltage of the safety circuit is available at CN9:2. The compressor is ready for use. If the input of the safety circuit is unavailable, drops out during operation or an alarm on the CM-RC-02 is active, the module will inhibit the CN9:2 output.

