



EB1s is a modern, easy-to-use and reliable controller designed for the food industry. It is retrofittable and works with all brands of systems.

Anwendungsbereiche:

Klimaschränke, Kochkessel, Kochanlagen, Reifekammer, Dry-Age-Kammer, Autoklave, Tumbler, Intensivkühlanlagen, Mixer

At a glance

- Bright, easy-to-read display
- Touchscreen
- Network ready for data collection / API for your existing HACCP
- Compact and easy to install
- Operation like on a smartphone – simple and intuitive
- With the right template from the EBCloud plug and play with your existing system

Software

- Completely customizable. Based on the existing schematics, on the system brand, performance diagram or completely individual
- Time-controlled, core temperature-controlled, humidity-controlled, temperature-controlled, pH-value-controlled, F-value-controlled, pressure-controlled, smoke transmission-controlled
- Delta-T and special core temperature curve (differential cooking)
- 50 individually adjustable process codes (cooking, drying, smoking, heating, reddening, etc.)
- 99 programs with 99 steps can be freely programmed
- Complete user management, tracking of individual entries / changes
- F value and P value cooking, C value recording
- Continuous operation or individually adjustable times
- Lot number and trolley number tracking
- °C and °F compatible
- Alarm systems: In the event of excess temperature, sensor alarms and for all set monitoring.
- Various languages: German, French, English, Spanish, Croatian, etc.
- Proportional controller for heaters, minimum on and off times.
- Changeable setpoints while the program is running

Specifications

- 6.5" touch screen
- RJ45 connector
- USB port
- analog outputs 4-20mA; 0-10V
- 4x 4-channel PT100 sensors
- 4 inputs 0–20 mA, freely configurable
- 8 Relays (24VDC)
- 4 10 optocouplers for monitoring

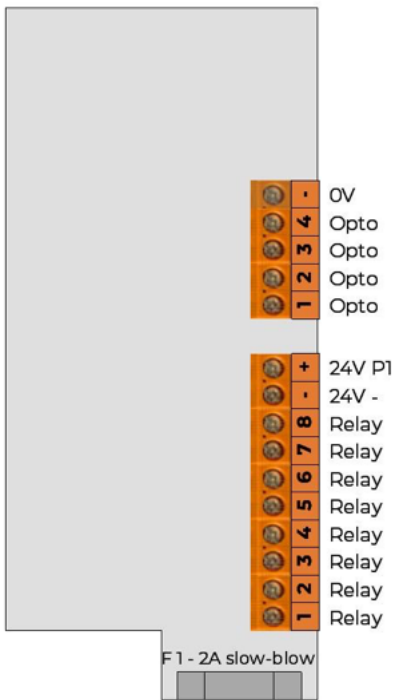
Technical specifications

- Betriebstemperatur: -10°C bis 55°C
- Luftfeuchtigkeit: 20% - 85%
- Controller cutout: 138mm*172mm, vertical installation
- Frame width all around: 26mm, installation depth: 20mm
- Weight: 300g
- IP65 protection (front)

Electrical specifications

- Connection voltage: 230V/24V
- Output power: 20W
- Phase 1 24VDC
- Overvoltage category III
- Spring terminals 0,25 mm² – max. 2,5 mm²
- Sensor: Spring terminals, 0.75mm² ferrules
- EMC Directive No.: 2014/30/EU and 2014/35/EU
- Based on: EN 55011 Class B, EN 61000-4-2:2009-12, EN 61000-4-4:2013-04

Connector Layout



Installation

- Flush installation with control cabinet cut-out
- Connection plan according to template / scheme / template

