ИНДИКАТОРЫ И КОНТРОЛЛЕРЫ EB 3000, 2000MC
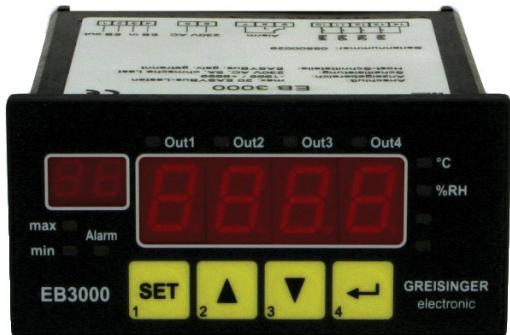
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EASYBus Device for Regulating, Displaying and Monitoring EB 3000

- Alarm monitoring and regulating of 20 channels
- Several calculation functions
- Diverse control modes

Characteristics

The EB 3000 is used for regulating or alarm monitoring of up to 20 modules.

The EB 3000 is an universal regulating, displaying and monitoring device for EASYBus sensor modules.
Any EASYBus measuring channel can be allocated to the 20 channels which the EB 3000 provides. Additionally there are 2 virtual channels. This allows performing several calculation functions and displaying the result. Possible functions are for example sensor difference, averaging of x sensors or set-point control. The EB 3000 has 4 switching outputs and 1 alarm output. The 22 channels can be freely allocated to the 4 switching outputs. Therefore several control modes (2-point control, 3-point control, stepping switch, etc.) can be realized.

The EB 3000 has a self-diagnostic function checking error-free operation, sensor break, etc. and outputs a corresponding error message as the case may be. For advanced configuration and start-up of the EB 3000 the gratis software EASYBus-Configurator is needed.

Technical data

Input	max. 30 bus loads max. 20 modules addressable
Connection	all EASYBus/EASYLog sensor modules can be connected via 2-pole connection wire in ring, tree or star form; sensors are supplied by EB 3000
Permitted EASYBus length	500 m (depending on wiring)
Display range	-1999..+9999 Digit 4-digit LED (measuring value), 2-digit LED (channel)

Switching outputs	4 normally-open contact
Switching functions	2-point controller, shift points, switching delay individually adjustable for each output
Alarm output	1 change-over contact
Alarm functions	Sammelalarm für alle Sensoren, Alarmgrenzen veränderbar
Sensor interface	EASYBus
PC interface	EASYBus
Power supply	230 V AC, 50/60 Hz
Working temperature	-25..+50 °C
Functions	alarm, min-/max- value memory, calculation functions, self-diagnostic
Housing	ABS
Protection class	front IP54, with optional sealing:IP65
Bus load (EB input)	1

Dimensions

Size	:	48 x 96 x 100 mm (H x W x D)
Panel mounting	:	by fixing clamps
Panel cutout	:	43.0 x 90.5 [±0.5 mm] (H x W)

Ordering code

1.

EB3000 - ☐
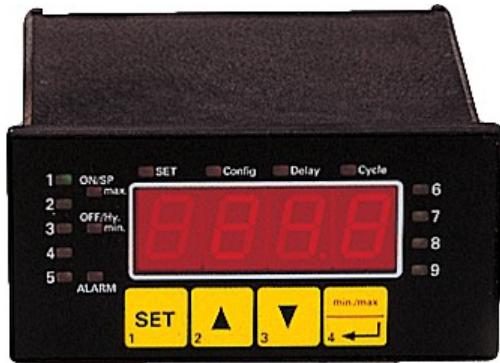
1.	Option	
	00	without option
	IP	sealing to increase protection class to IP65

Necessary accessories

The following accessories are needed for configuration of EB 3000 and recording / read-out of connected EASYBus modules:

- Interface converter RS232 – EASYBus (e.g. EBW1, EBW2, EBW64) or USB – EASYBus (EBW3)
- EASYBus-Configurator (as of version 2.0) for start-up and configuration of advanced settings

EASYBus Device for Displaying and Monitoring EB 2000 MC

- **Displaying and monitoring of up to 9 channels**
- **2 potential-free relay outputs**
- **Internal self-diagnostic**

Characteristics

The EB 2000 MC is used for displaying and monitoring of up to 9 channels.

The EB 2000 MC is an universal displaying device for EASBus sensor modules.
It has 2 potential-free relay outputs for min-/max- alarming. The EB 2000 MC automatically identifies the number and type of connected sensor modules. No separate sensor adjustment or configuration is necessary.

The EB 2000 MC has a self-diagnostic function checking error-free operation, sensor break, etc. and outputs a corresponding error message as the case may be.

Technical data

Input	max. 14 bus loads max. 9 modules addressable
Connection	all EASYBus/EASYLog sensor modules can be connected via 2-pole connection wire in ring, tree or star form; sensors are supplied by EB 2000 MC
Permitted EASYBus length	200 m (depending on wiring)
Display	-1999..+9999 digit 4-digit LED (measuring value), 9 LEDs (channels)
Switching outputs	2 normally-open contact, potential-free, 10 A / 250 V AC
Sensor interface	EASYBus
PC interface	RS232

Power supply	230 V AC, 50/60 Hz
Working temperature	0..50 °C
Functions	alarm, min-/max- value memory, self-diagnostic, error message
Housing	ABS
Protection class	front IP54, with optional sealing:IP65

Dimensions

Size : 48 x 96 x 100 mm (H x W x D)
Panel mounting : by fixing clamps
Panel cutout : 43.0 x 90.5 [±0.5 mm] (H x W)

Ordering code

1.

EB2000MC - ☐

1.	Option	
	00	without option
	IP	sealing to increase protection class to IP65

Necessary accessories

The EB2000 can be used as full-fledged EASYBus interface converter for the connected sensor modules (just like the EBW 1). Therefore it has to be connected to the PC with an interface cable. The following accessories are needed:

- GRS 01/9: interface cable for connecting to RS232 interface (p.r.t. accessories)
- EBSK 01 / EBSK 03 (1m or 3m): connection cable from interface converter to EASYLog

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