EASYBUS-DISPLAY AND MONITORING DEVICE FOR 20 CHANNELS

FRONT
96 x 48

CUT-OUT
90.5 x 43

E.A.S.Y.BUS®
MODUL

EB 3000
Art. no. 600269
EASYBus-display and monitoring device for 20 channels

General:
- Up to 20 sensor-modules can be connected
- 2 further functions for calculation
- 5 relay outputs (4 x controlling, 1 x alarm)
- Controller functions can be assigned to any channel
- Alarm monitoring for all connected EASYBus-moduls
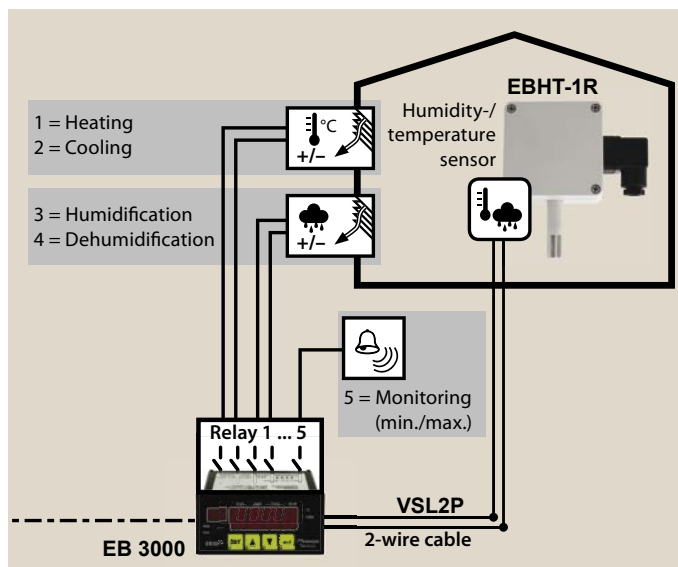- Up to 1000 m cable-length possible

Specifications:

Display range:	-1999 ... +9999 digit
Resolution, Accuracy:	depending on sensor module used
Sensors:	all EASYBus sensor modules
Sensor supply:	via EB 3000
Max. bus load:	30 EASYBus standard loads
Measuring channels:	20
Permitted cable length:	500 m (depending on type of cable and wiring)
Switching outputs:	4 relay outputs (NO), shared input. Outputs can be assigned to any channel
Alarm output:	1 relay output (change-over contacts)
Switching function:	230 V AC, 5 A, ohm resistive load
Configuration:	directly on the device or via additional configuration software (supported converter is needed).
Min./Max. value memory:	from all connected sensor modules the max. and min. value are callable via front-side keypad.
Display:	main display: LED, 4-digit, 13 mm channel display: LED, 2-digit, 7 mm 11 more LEDs for e.g.: switching status and alarm
Interface:	EASYBus-interface
Connection:	2-wire connection in ring-, tree- or star type. No polarity.
Connection terminals:	screw-type/plug-in terminals
Ambient temperature:	-25 ... +50 °C (permissible ambient temperature)
Voltage supply:	230 V AC 50 / 60 Hz
Power consumption:	approx. 9 VA
Housing:	Transparent membrane keyboard IP65. Sealing for housing for installation according to IP65 will have to be ordered separately (option).
Dimensions:	96 x 48 x 100 mm (H x W x D)
Panel cutout:	90.5 x 43 mm (W x H)
Scope of supply:	Device, CD, manual

Option:

IP
Mounting seal to increase the protection class to IP65

MOISTURE / TEMPERATURE CONTROLLING

1 = Heating
2 = Cooling
3 = Humidification
4 = Dehumidification
5 = Monitoring (min./max.)
EBHT-1R
Humidity-/ temperature sensor
Relay 1 ... 5
EB 3000
VSL2P
2-wire cable

EB 3000 FTR
Art. no. 605923
Cost effective Set for Moisture / Temperature Controlling

General:
Cost effective monitoring and controlling of temperature and humidity. The humidity-/ temperature sensor EBHT-1R will be connected with the EB 3000 via a single 2-wire twisted pair cable (e.g. bell wire). The maximum distance between sensor and controlling device is 500 m.
The components are fully configured. The only remaining work is to connect the modules via a 2-pole twisted wire and input the switching points.

Application:
Refrigeration warehouse, green house, storage room, terrarium, etc.

Specifications:

Scope of supply:	EB 3000: monitoring and controlling device EBHT-1R: humidity / temperature modul (p.r.t. page 38) VSL2P: 10 m twisted pair cable (p.r.t. page 44)

Accessories and spare parts:

EBW 1
Art. no. 601136
Interface converter, for connection of max. 9 EASYBus data loggers to the RS232 interface of your PC. (power supply: 230 V AC / 50 Hz)

EBS 20M
Art. no. 601158
Software for recording and archiving of max. 20 sensor module
further information see page 46

Note:
For configuration of the EB 3000 and recording / reading of connected EASYBus modules, a serial converter EBW 1 and software EBS 20M are needed.