Heat recovery control EHC20

The EHC20 controller monitors and controls the heat exchanger, hydraulic circuits and buffertanks. It does so using a mixing valve, circulation pump and temperature sensors. These sensors includes flue gas sensor, flow sensor and two storage sensors with immersion sleeve.

Connection options
- 1 heat exchanger with bypass valve
- 2 buffer tanks
- 1 circulation pump (0-10V control standard or high efficiency)
- 1 3-way mixer with actuator 230V
- 1 flue gas sensor
- 1 flow sensor
- 2 buffer tank sensor
- 1 additional heat source

Equipment
- Self-explanatory operation
- Full text display with graphic display and animation
- Illuminated display for better contrast
- Long-term data storage for recording the amount of heat gained (optional - flow sensor additionally required) and operating hours (not calibrated)
- Real-Time clock with 24h power reserve
- SD card slot with 2GB SD card for data logging, firmware update and configuration saving/updating
- Heat exchanger priority circuit for integrating an additional heat source

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Technical data

Description	EHC20
Height x width x depth	228 x 180 x 53 mm
IP-rating / material	IP-40 / ABS
Voltage	100-240 V AC
Power consumption	0.3-3 W
Fuse	3 x 2A T
Temperature	0-40° C (Storage 0-60° C)
LCD display	128 x 128 dot matrix
Real time clock	24h backup
Inputs	
Pt1000 Temperature sensors inputs	8 (-40° - 200° C)
Heat production measuring	2 (Grundfos Direct Sensor)
Outputs	
Solid state relay outputs	2
Mechanical relay output	5 (1 potential free)
Control signal 0–10 VDC	2
PWM output	1

The EHC20 can be used with all **exodraft** heat exchanger types.