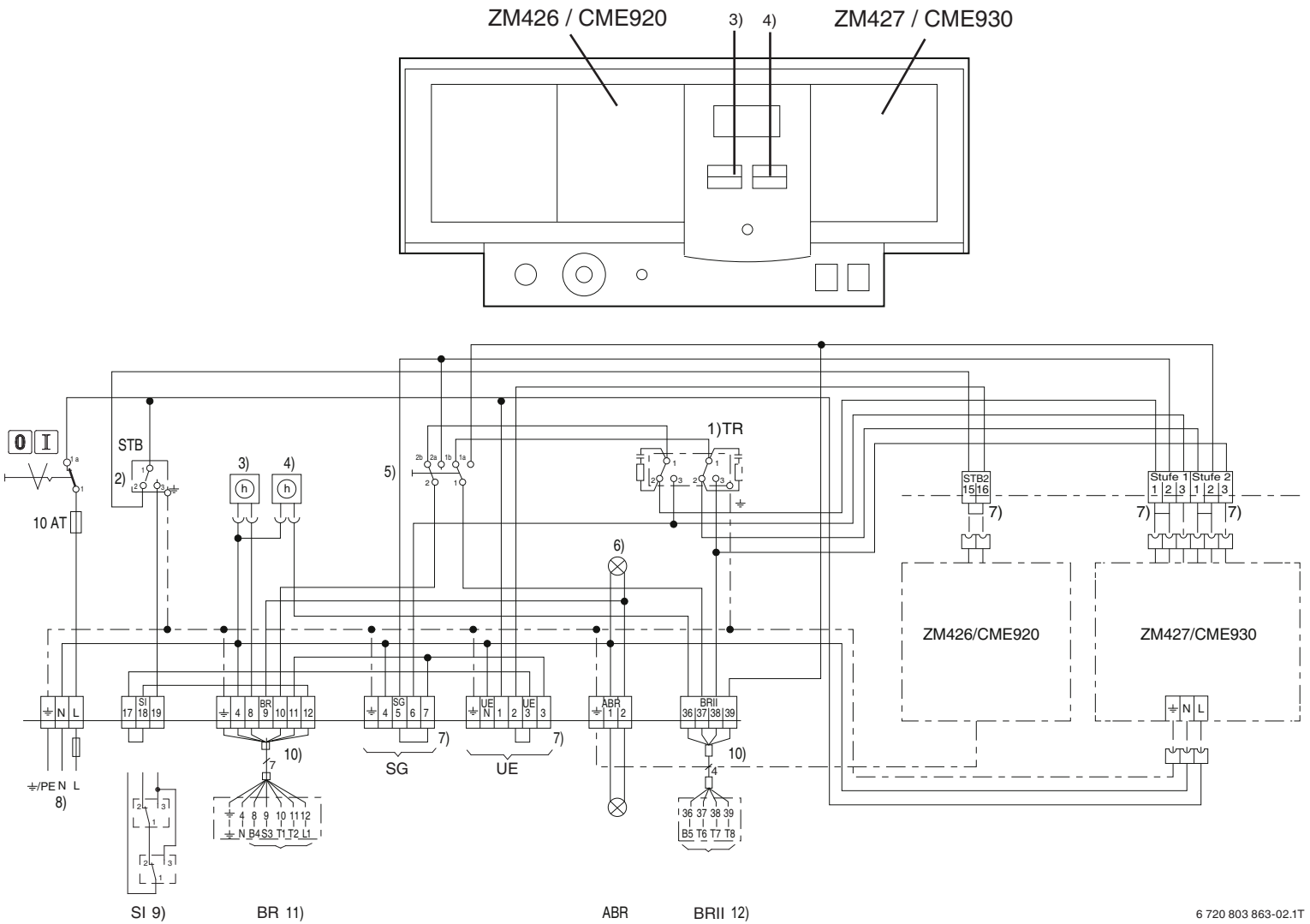
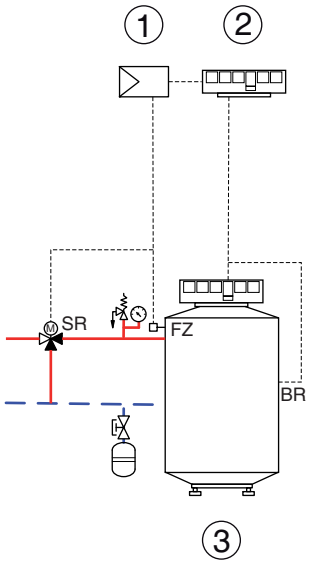


- ► Electrical work may only be carried out by a qualified electrician.
- ► Carry out electrical work in accordance with the current standards and local regulations.
- ► Install the mains connection so that it is fixed and in the correct phase.
- ► Ensure that the total current does not exceed the rating stated on the data plate.
- ► Ensure that a circuit breaker in accordance with the applicable standards is present to disconnect all poles from the mains power supply. If there is no circuit breaker present, you must install one.
- ► Do not use the yellow/green earth lead as a control cable.
- ► Before opening the control unit, isolate all poles of the heating system via the circuit breaker. Secure against unintentional reconnection.
- ► Fasten the wires of each electrical cable to each other (e.g. with cable ties) or strip the cable sheath short, to prevent the risk of voltage flashes between 230 V and low voltage through unintentional loosening of a wire at the terminals.
- ► Observe the safety instructions in the documentation of the control unit and the modules used.

Control voltage 230 V~
AWG 14, max. 5 A

1) Note: the equipping of the control unit is different depending on the system configuration. Only the modules installed in the control unit are to be taken into consideration for the electrical connection.
2) Contact opens when the set temperature is exceeded
3) Operating hours counter, stage 1
4) Operating hours counter, stage 2
5) STB test
6) Burner fault
7) Remove the jumper when connecting
8) Mains 230 V~ 50 Hz, max. permitted fuse protection 10 AT. The total current of the control unit must not exceed 10 A. It is mandatory to observe this value. This must be checked when the control unit is being put into operation to prevent damage to the unit.
9) Connection example (at the site)
10) H03xx, 1.5 mm^2
11) 8 (B4) - operating hours signal
9 (S3) - fault signal
10 (T1) - boiler water temperature controller (TR)
11 (T2) - burner enabling
12 (L1) - lead via safety equipment
12) 36 (B5) - operating hours signal
37 (T6) - voltage output L1
38 (T7) - burner off
39 (T8) - burner on

A



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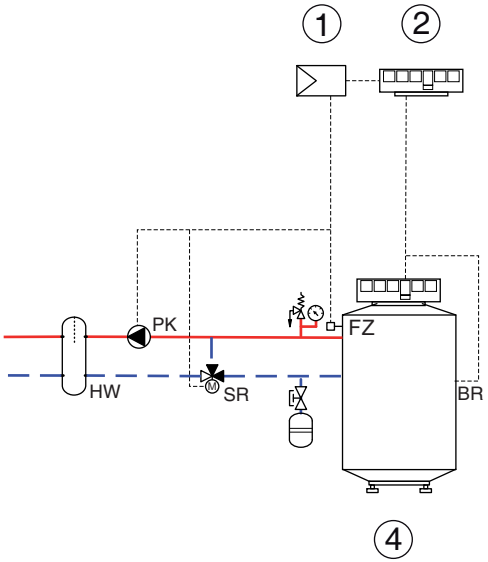

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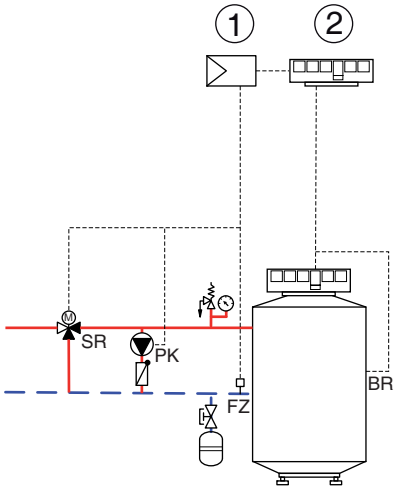
B



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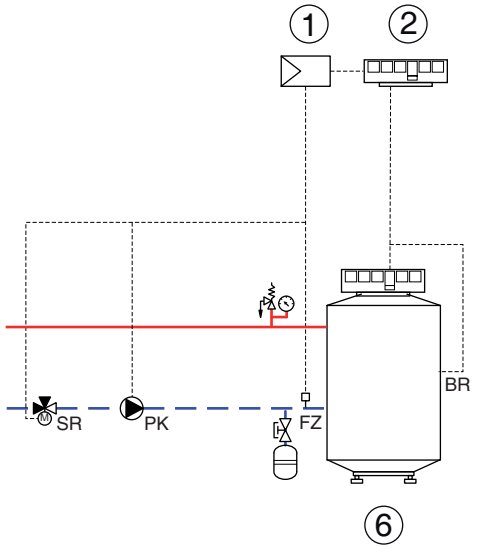

6

6 720 803 863-03.1T

A	Ecostream control unit (only in combination with the ZM427/CME930 module)
B	Return temperature control unit (only in combination with the ZM427/CME930 module)
ABR	Burner fault display at the building
BR	Gas/oil burner stage 1, max. 10 A
BR II	Burner connection stage 2 or connection for modulating burners
FZ	Auxiliary temperature sensor
HW	Low loss header
PK	Safety equipment
SG	Connection terminals for flue gas damper
SI	Optional connection for additional safety equipment
SR	Return temperature mixing valve
STB	High temperature limit safety cut-out
TR	Boiler water temperature controller
UE	Connection terminals for flue gas monitor
ZM426 / CME920	Module (auxiliary STB), auxiliary equipment, see wiring diagram ZM426 for connection
ZM427/ CME930	Boiler operating module, auxiliary equipment See wiring diagram ZM427/CME930 for connection
1	Function module ZM427/CME930
2	Control unit R4212/CFB810
3	Ecostream heating boiler, with separate mixing valve and FZ auxiliary temperature sensor in the boiler sensor pocket, with pressurised distributor (without hydraulic decoupling).
4	Ecostream heating boiler, with boiler circuit pump, separate mixing valve and FZ auxiliary temperature sensor in the boiler sensor pocket, with hydraulic decoupling, e.g. via a low loss header.
5	Low temperature heating boiler, with separate mixing valve, bypass pump and FZ auxiliary temperature sensor in the boiler return sensor pocket.
6	Low temperature heating boiler, with separate mixing valve, boiler primary pump and FZ auxiliary temperature sensor in the boiler return sensor pocket.