System diagram E8.1124

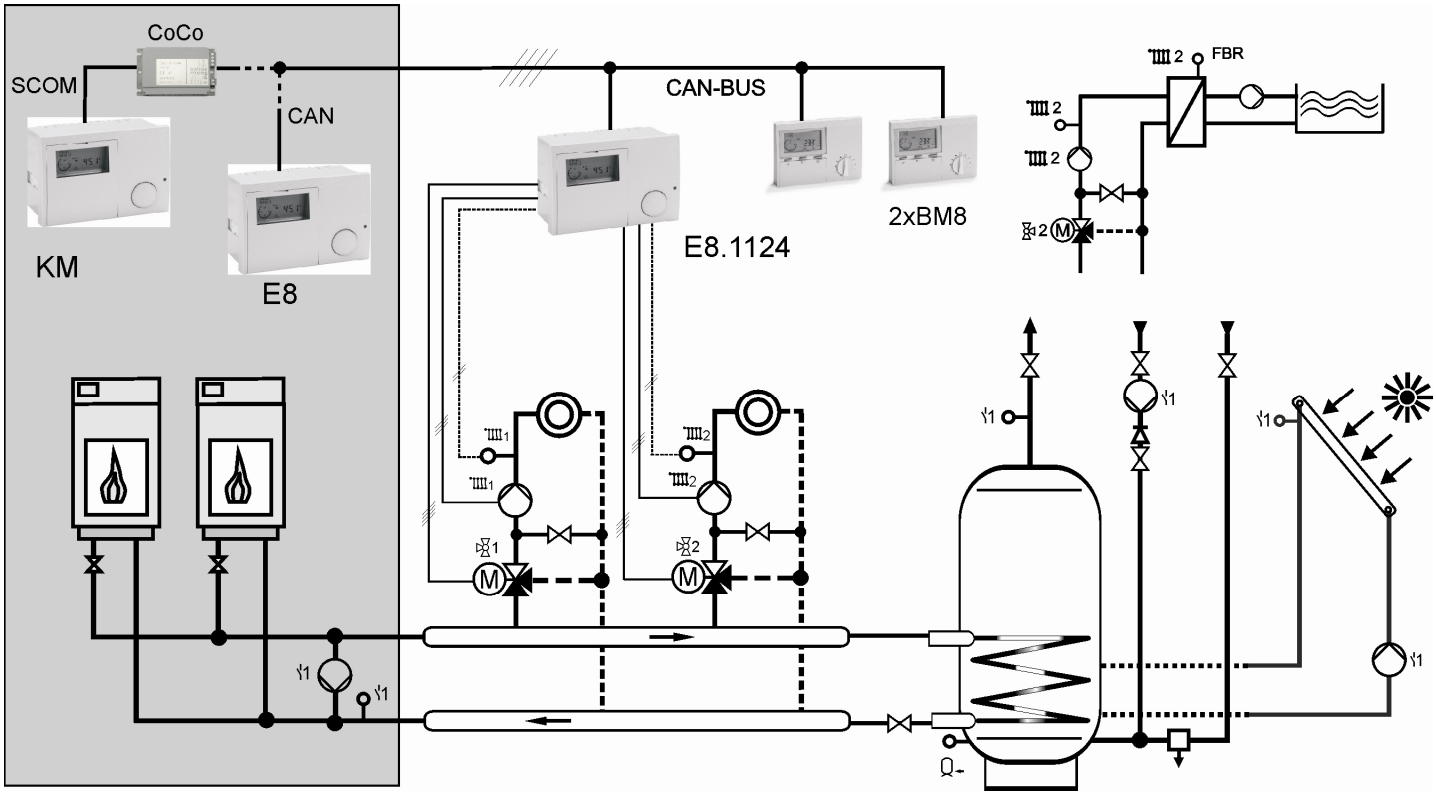
Configuration

2 mixed heating circuits remoted by BUS or
1 mixed heating circuit and fixed value-/swimming bath / DHW-control (LPS = 00)

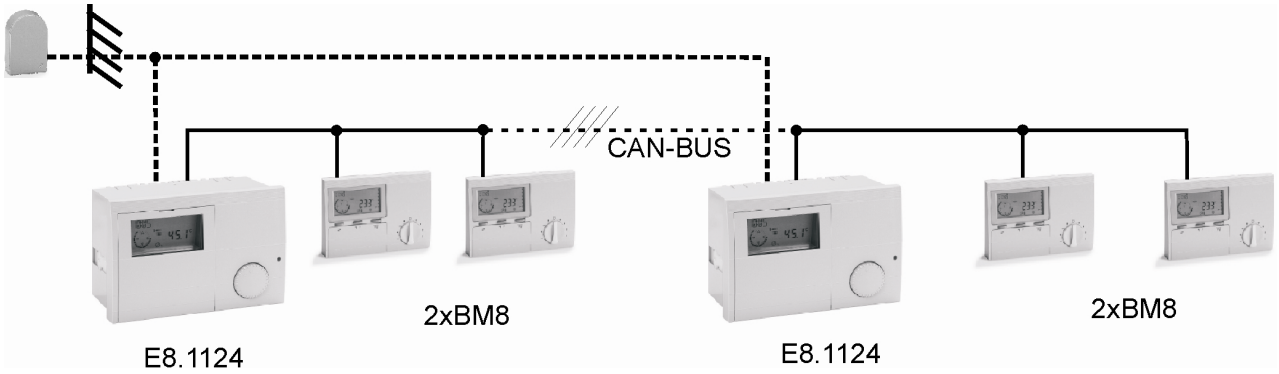
! The E8.1124 is for stand-alone-control too.

In this case you have to add the external sensor.

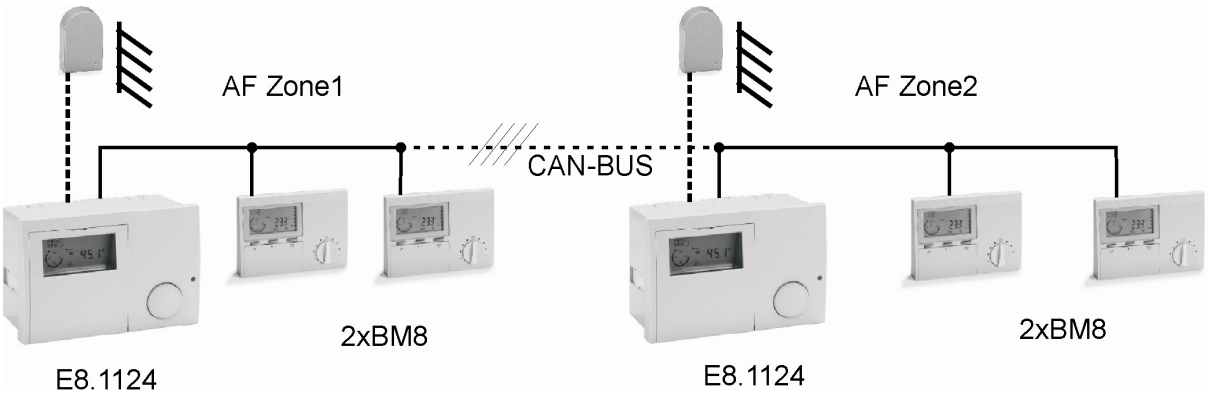
With boiler control as mixer expansion module



Without boiler control with 1 external sensor

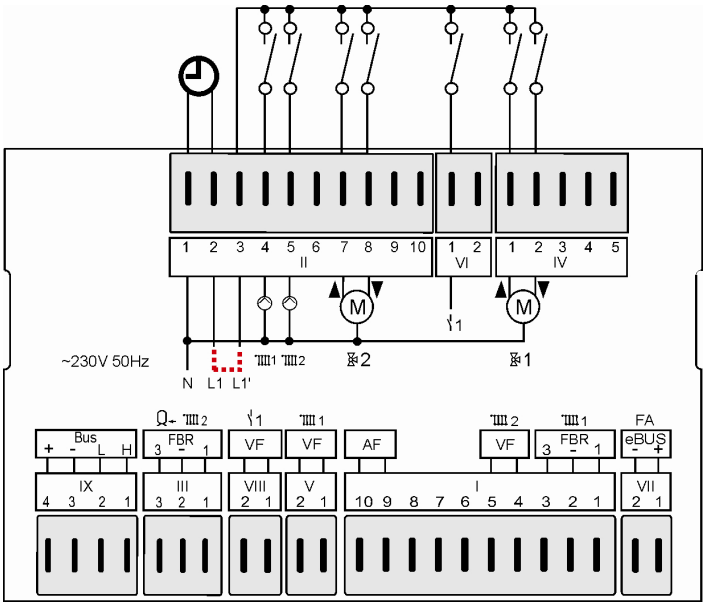


Without boiler control as zone-control



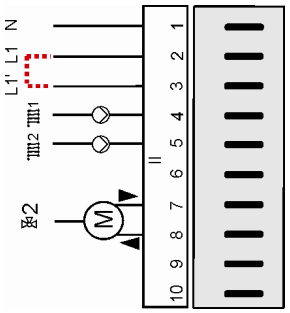
Electrical connection

~230 V Switching capacity of relays 2(2) A, ~250 V



Power terminal assignments

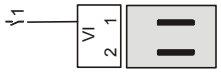
Connector 2 [II]



N: Neutral conductor, mains
L1: Power supply, unit
L1´: Power supply, relay
1: Heat circuit pump HK 1
2: Heat circuit pump HK 2

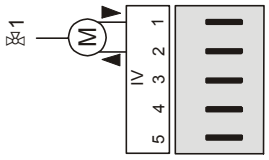
: Mixer open, heating circuit 2
: Mixer closed, heating circuit

Connector 6 [VI]



Multifunction relay 1

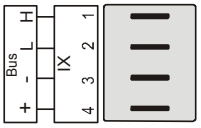
Connector 4 [IV]



: Mixer open, heating circuit 1
: Mixer closed, heating circuit 1

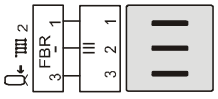
Sensor terminal assignments

Connector 9 [IX]



CAN Bus Pin 1 = H (Data)
CAN Bus Pin 2 = L (Data)
CAN Bus Pin 3 = - (ground, Gnd)
CAN Bus Pin 4 = + (12 V supply)

Connector 3 [III] (without solar integration)



Pin 1: FBR heating circuit 2 (room sensor)
Pin 2: FBR heating circuit 2 (ground)
Pin 3: FBR heating circuit 2 (set value/ operating mode)

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31785 Hameln
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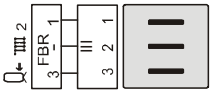
! If E6.1111 should be replaced, please change the wiring of the additional relay (plug VI) from clamp 2 to clamp 1.

Terminal assignment

VII	(1 + 2):	eBUS (HS) or eBUS - DCF
I	(1 - 3):	FBR2 (FBR1) for heating circuit 1
I	(4 + 5):	Flow sensor, heating circuit 2
I	(9 + 10):	Outdoor sensor
V	(1 + 2):	Flow sensor, heating circuit 1
VIII	(1 + 2):	Multifunction relay 1 sensor
III	(1 - 3):	FBR2 (FBR1) for heating circuit 2
IX	(1 + 2):	Data line CAN bus
IX	(3 + 4):	Power supply CAN bus
II	(1):	Neutral conductor, mains
II	(2):	Power supply, unit
II	(3):	Power supply, relay
II	(4):	Pump, heating circuit 1
II	(5):	Pump, heating circuit 2
II	(7):	Mixer, heating circuit 2 open
II	(8):	Mixer, heating circuit 2 closed
VI	(1):	Multifunction relay 1
IV	(1):	Mixer, heating circuit 1 open
IV	(2):	Mixer, heating circuit 1 closed

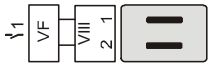
Sensor terminal assignments

Connector 3 [III] (with solid fuel/ solar integration)



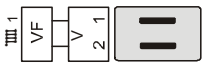
Pin 2: Heat circuit 2 RFB (room sensor)
Pin 2: Buffer sensor, lower and Room sensor (ground)
Pin 3: Buffer sensor, lower (BUFFER-T-LOW) in infeed area of solar/solid fuel

Connector 8 [Connector 1 [I]



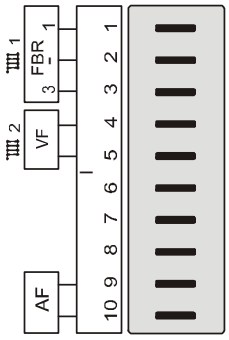
Pin 1: Multifunction relay 1 sensor (ground)
Pin 2: Multifunction relay 1 sensor

Connector 5 [Connector 1 [I]



Pin 1: Flow sensor, heating circuit 1 (ground)
Pin 2: Flow sensor, heating circuit 1

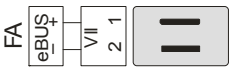
Connector 1 [I]



Pin 1: FBR heating circuit 1 (room sensor)
Pin 2: FBR heating circuit 1 (ground)
Pin 3: FBR heating circuit 1 (set value/operating mode)
Pin 4: Flow sensor, heating circuit 2 (ground)
Pin 5: Flow sensor, heating circuit 2

Pin 9: Outdoor sensor (ground)
Pin 10: Outdoor sensor

Connector 7 [VII]



Pin 1: eBUS (HS) or eBUS - DCF
Pin 2: DCF (ground)