

Note

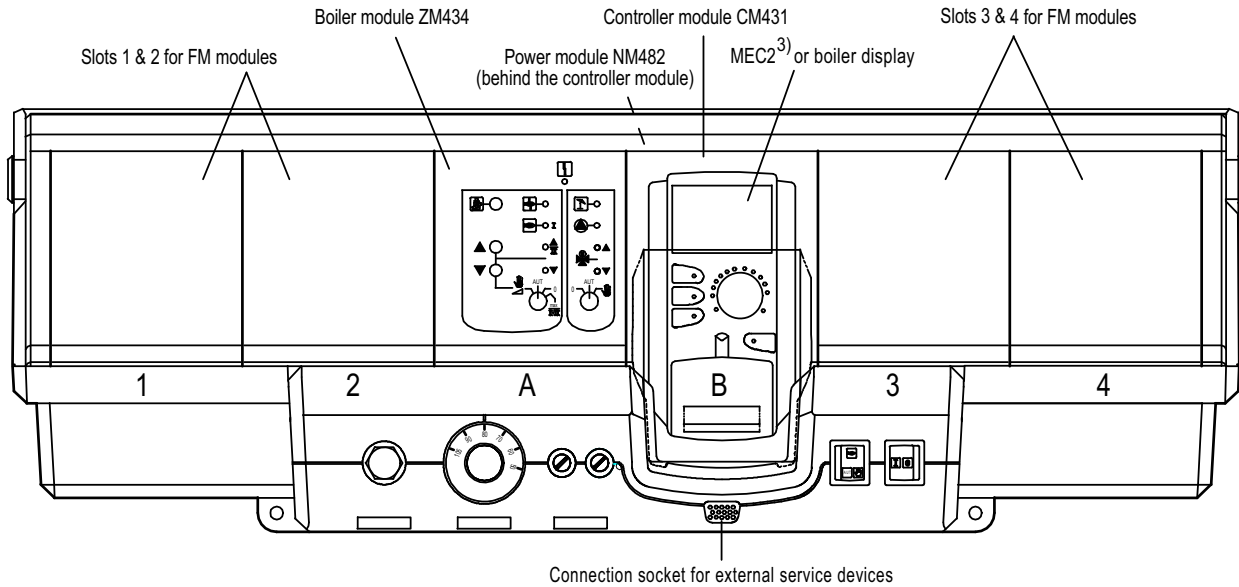
Installation, fuse, main isolator, emergency stop switch and Protective measures in accordance with local regulations.

NOTE! Never use the earth yellow/green conductor as control line.

Ensure the power is connected to the correct phases.

Never use plugs with earth contact.

- 1) Contact opens when the selected temperature is exceeded.
- 2) The total current for each power circuit (L1, L2) must not exceed 10A. Always maintain this value and check after commissioning to prevent equipment damage!
- 3) NOTE! Only one MEC2 can be allocated to each control unit. The MEC2 may be plugged into the controller module or be connected via the room installation set (accessory) to one of the ZM.. or FM.. modules.
- 4) Optional connection of safety equipment.
- 5) When connecting several ECOCAN BUS components, close both S 1 switches (terminal resistor on the NM 482) of both outermost ECOCAN BUS subscribers.
- 6) L 2: Fuse protection of the modules in slots A, 1 and 2  
L 1: Fuse protection of the modules in slots 3 and 4

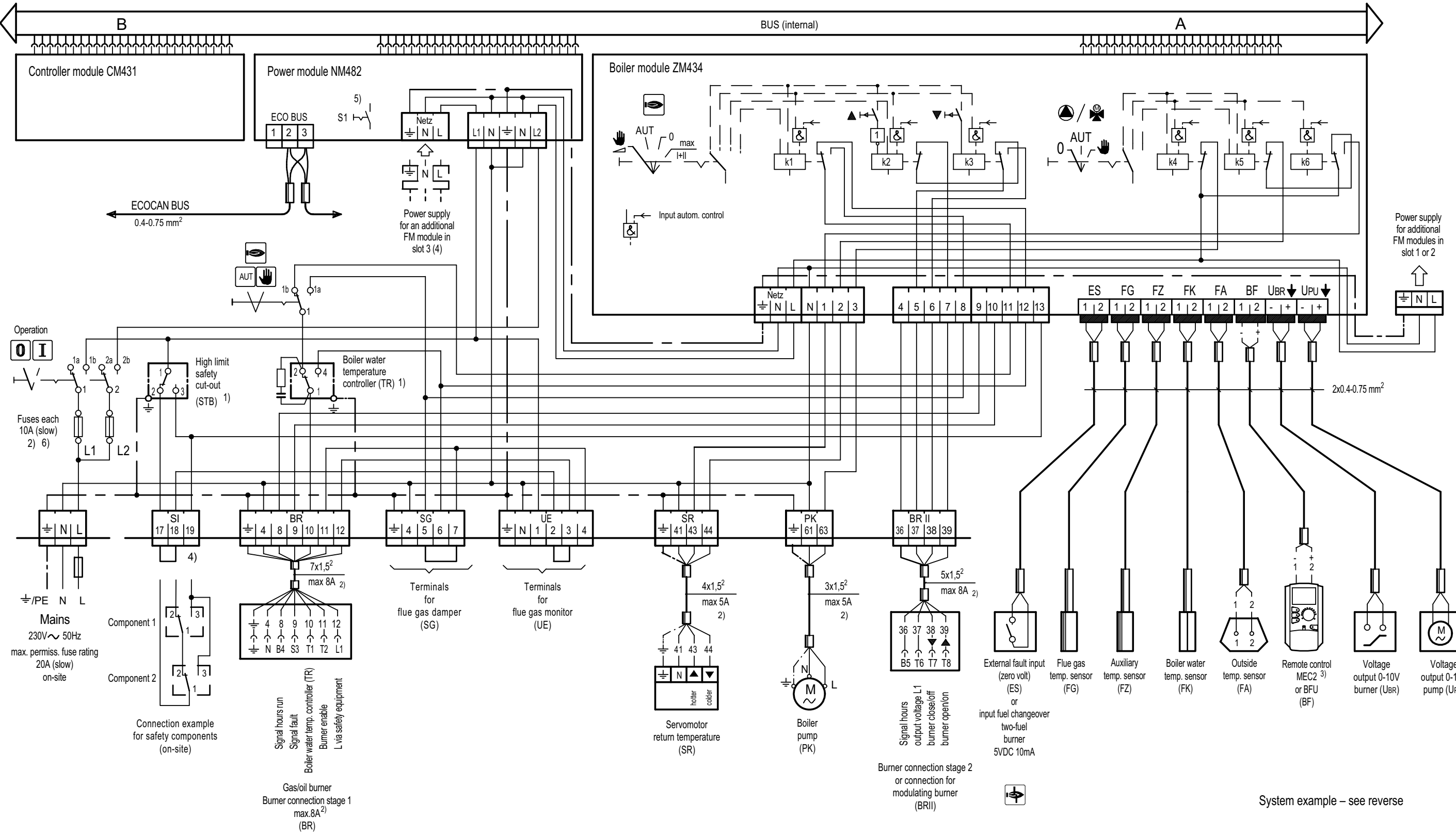


Switching states			
Switch position	Stage 1	Stage 2/ modulating	
	k1	k2	k3
		Pushbutton ▲ pushed	Pushbutton ▼ pushed
AUT	Control mode	Control mode hotter	Control mode colder
0			
max H+I			

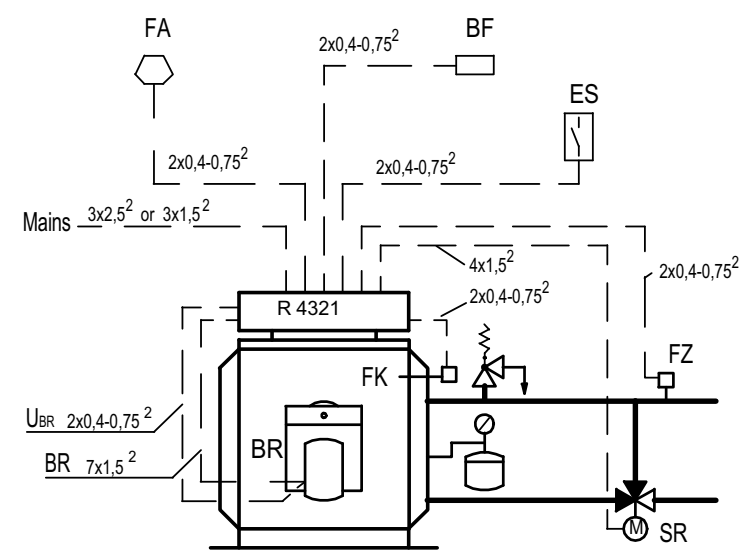
Switch position	(PK) k4	(SR) k5	(SR) k6
0			
AUT	Control mode	Control mode	Control mode

▲ = hotter  
▼ = colder

Control voltage 230V ~  
LV



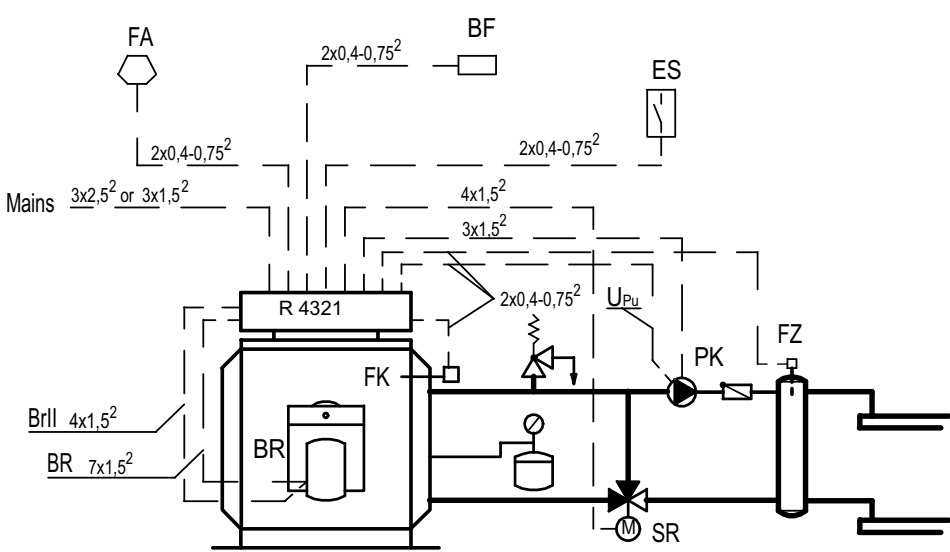
System example 1



Buderus  
Ecostream boiler or  
LT boiler with low-end temperature

Example of the connection of an Ecostream boiler  
or LT boiler with low-end temperature.  
Control via a separate boiler circuit servomotor (SR).

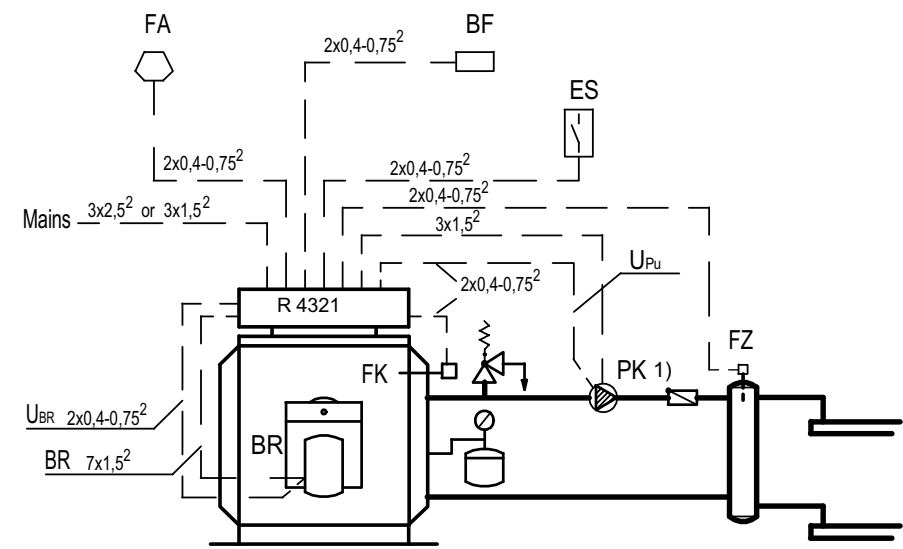
System example 2



Buderus  
Ecostream boiler

Example for the connection of Ecostream boilers.  
Control via boiler servomotor. Terminal UPu only  
required for modulating boiler circuit pump.

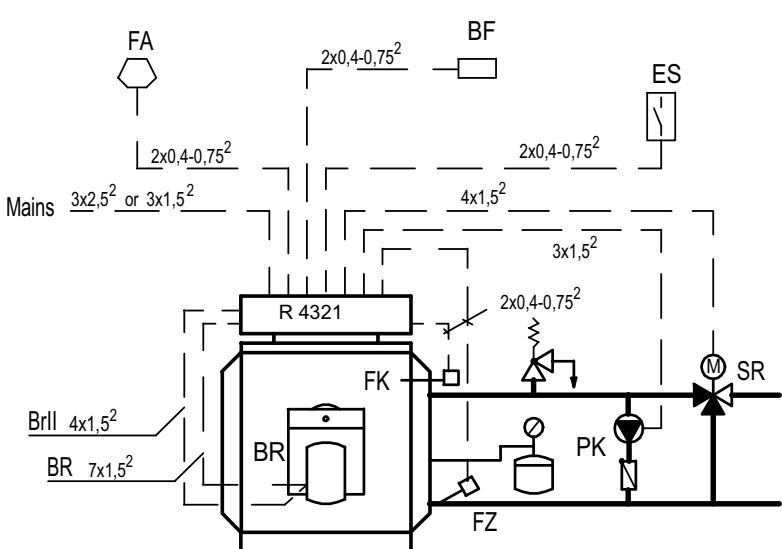
System example 3



Buderus  
LT boiler

Example of connecting a low temperature boiler.  
Low temperature boilers require heating circuit  
servomotors to regulate the operating conditions.

System example 4



Buderus LT boiler  
with minimum return temperature

Example for the connection of boilers with  
return temperature control.  
Control via separate boiler servomotor (SR).

- Legend:
- BF remote control MEC2 or BFU
  - BR burner
  - ES external fault input (zero volt)
  - FA outside temperature sensor
  - FK boiler water temperature sensor
  - FZ auxiliary temperature sensor
  - PK boiler pump
  - SR servomotor return temperature
  - $U_{Pu}$  voltage output 0-10V pump
  - $U_{Br}$  voltage output 0-10V burner

<sup>1)</sup> A boiler circuit pump may be controlled when using non-pressurised manifolds.  
Terminal UPu only required for modulating boiler circuit pump (0-10V).