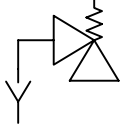

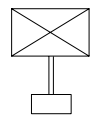

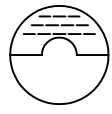
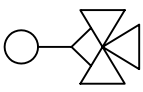



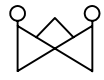
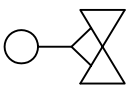
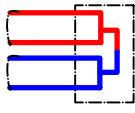

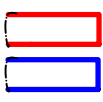




Connecting Diagrams

Identifying symbols:

	Safety valve		Shut-off valve
	Low water cut off		Non-return valve
	Expansion tank		Mixer with motor
	Manometer		Heating pump (Circulator)
	Thermometer		Regulating valve
	Zone-valve		Distributor without differential pressure
	Customer generally		Distributor with differential pressure

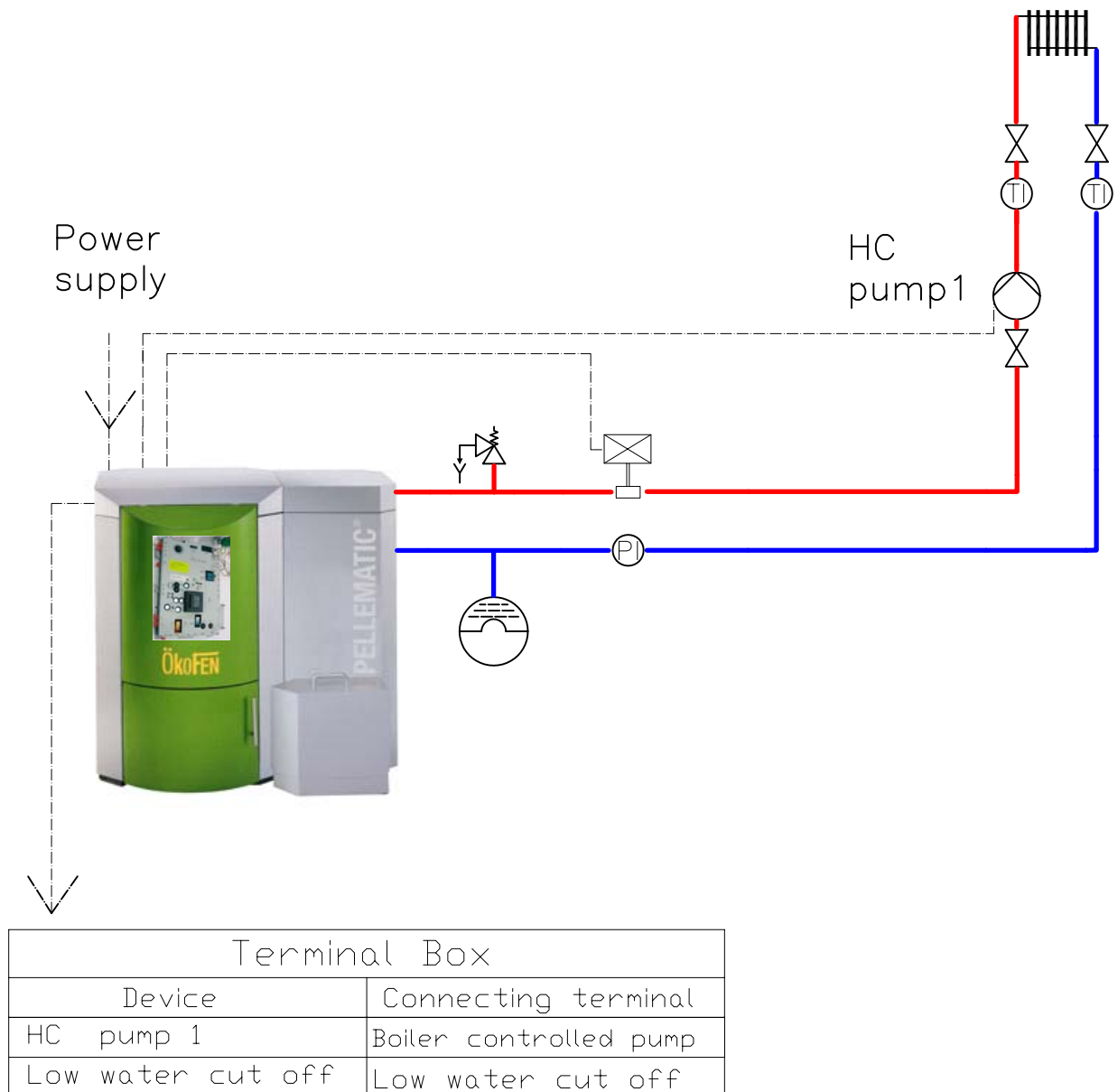
Type of cable:

For wiring use the named type of cables or equivalent country specific type of cables.

Connecting diagram 1

1 Boiler Pellematic

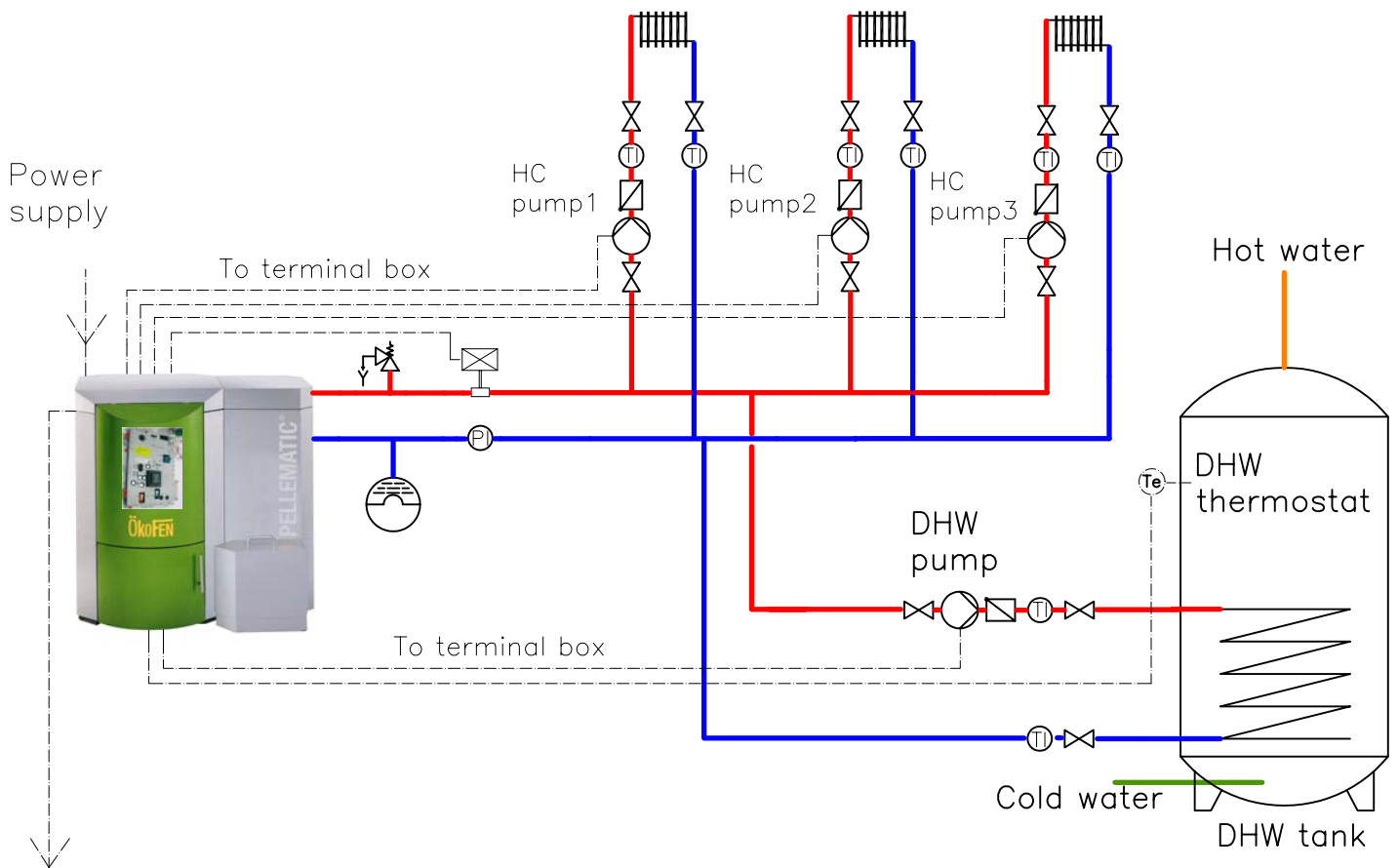
1 Heating circuit



The diagram is symbolic and not exhaustive.

Connecting diagram 2

- 1 Boiler Pellematic
- 1 DHW- tank
- 3 Heating circuits

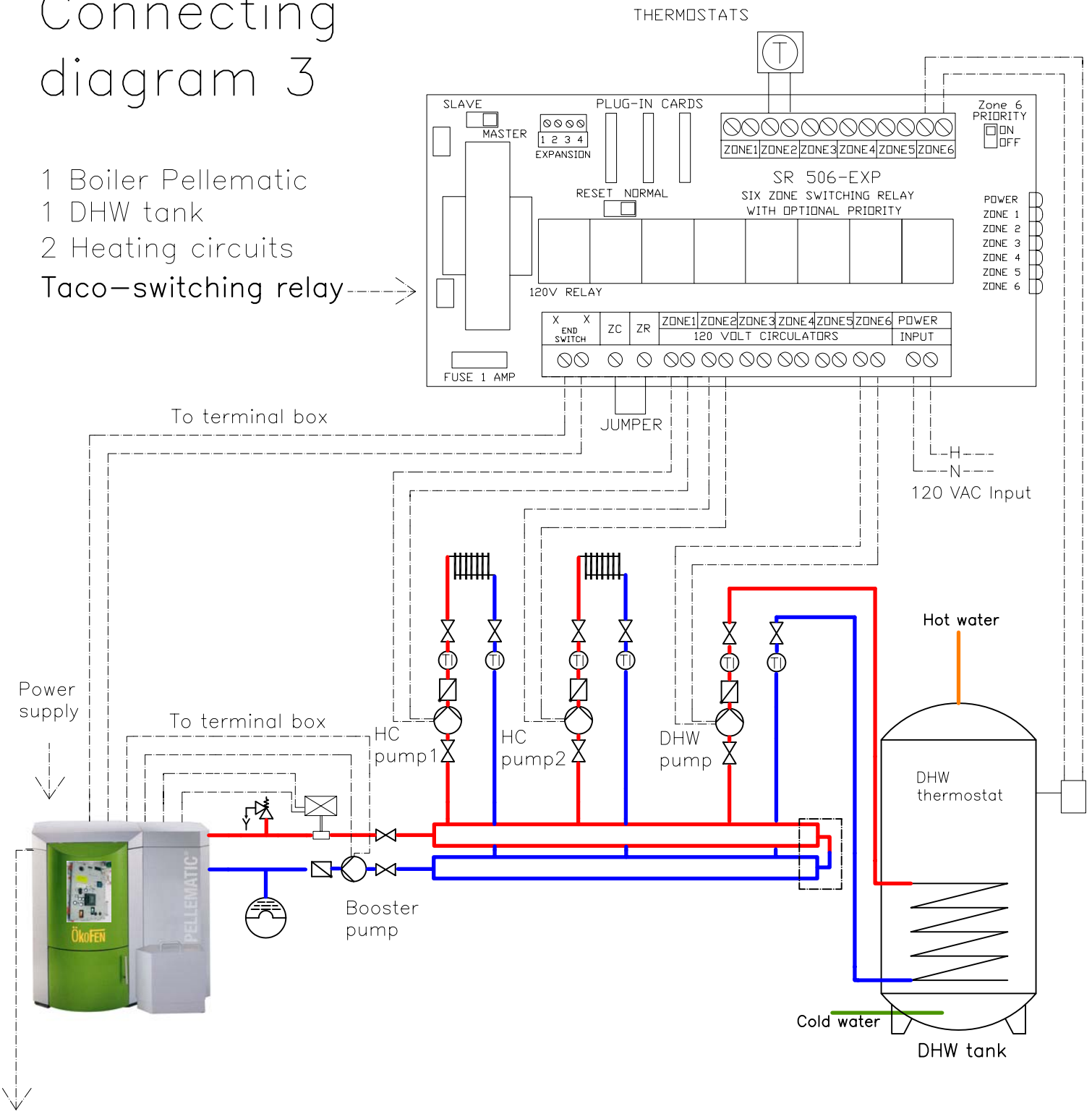


Terminal Box		
Device	Connecting terminal	
HC pump 1/2/3	Boiler controlled pump	max. 5 Amp.
DHW pump	Domestic hot water pump	
Low water cut off	Low water cut off	
DHW thermostat	Domestic hot water thermostat	

The diagram is symbolic and not exhaustive.

Connecting diagram 3

- 1 Boiler Pellematic
- 1 DHW tank
- 2 Heating circuits
- Taco-switching relay



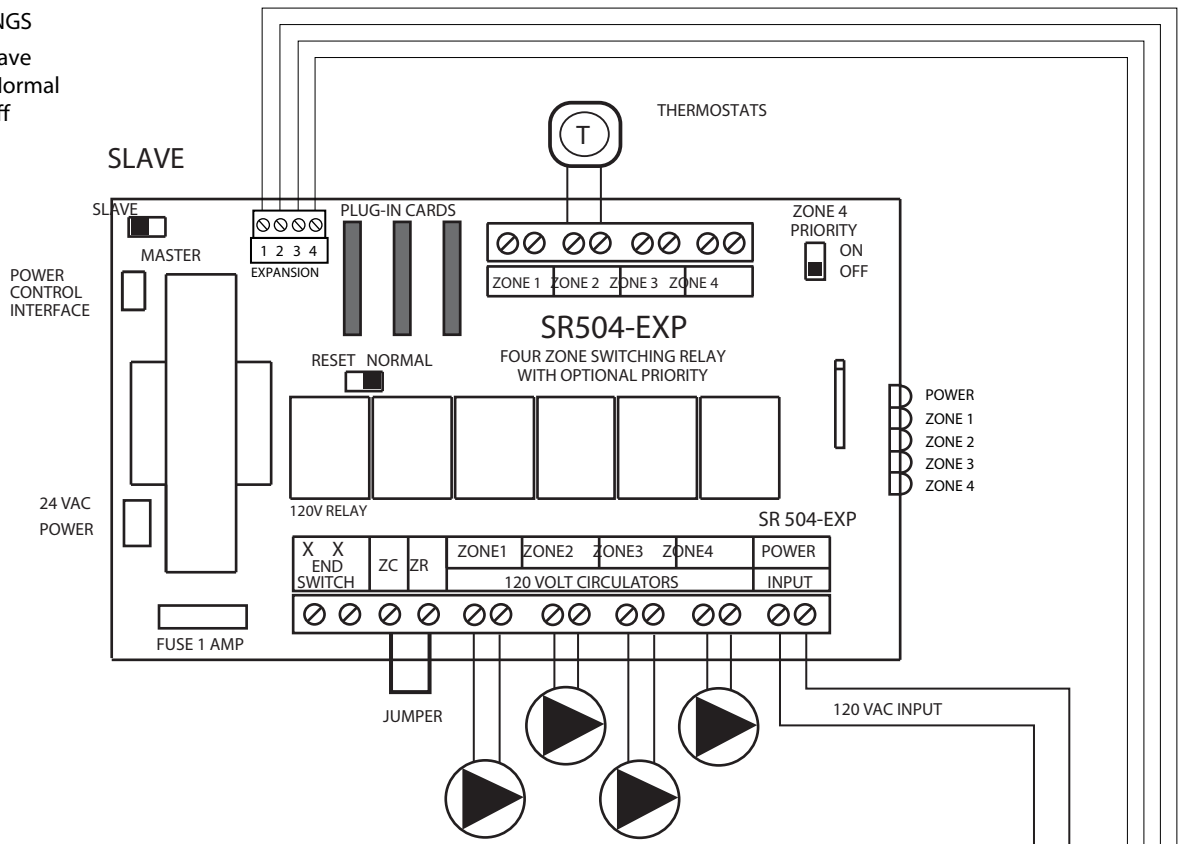
Terminal Box	
Device	Connecting terminal
Booster pump	Boiler controlled pump max. 5 Amp.
Low water cut off	Low water cut off
End switch (SR 506-EXP)	Boiler contact

The diagram is symbolic and not exhaustive.

2 Expandable Switching Relays Connected Together

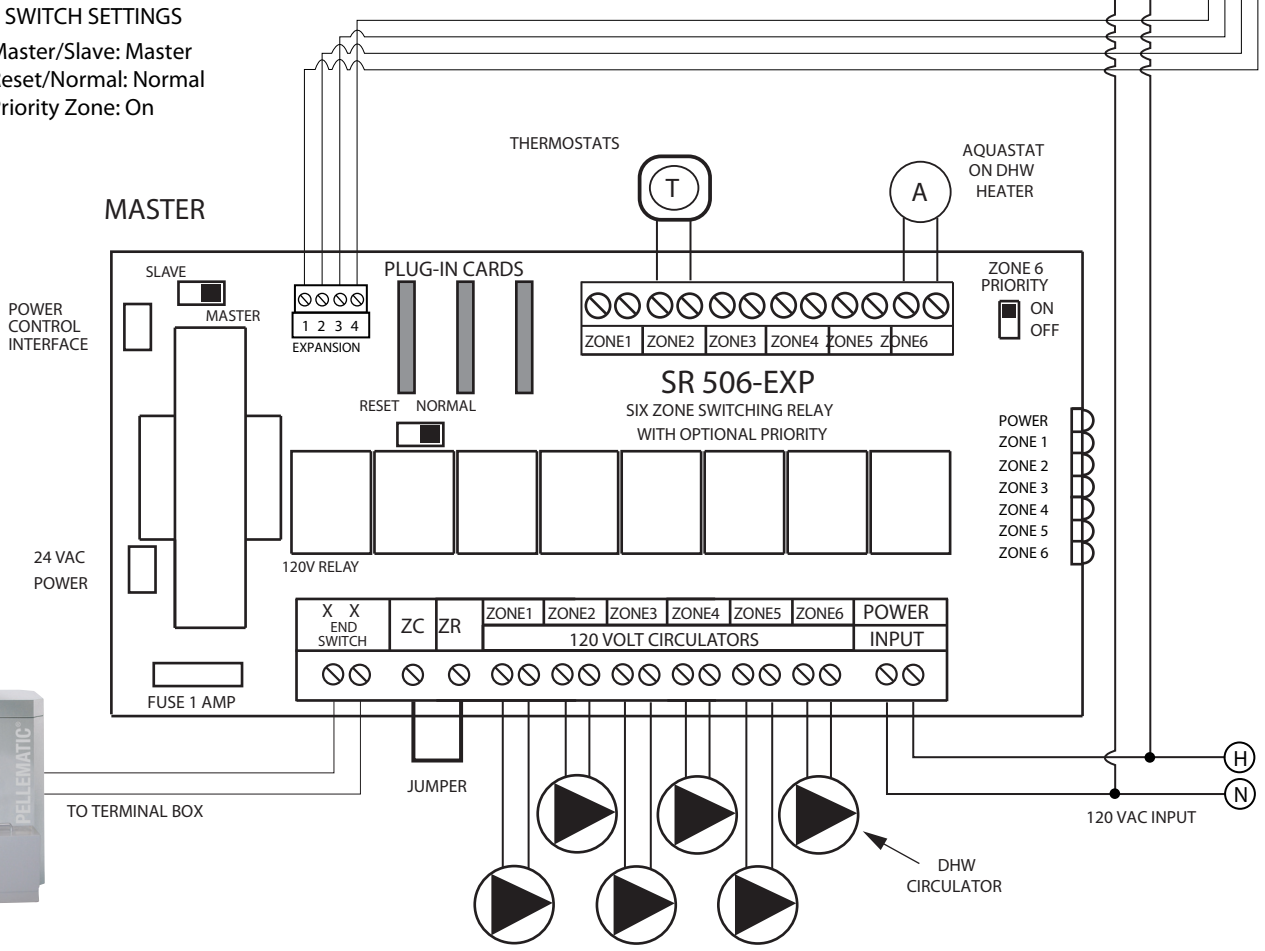
SWITCH SETTINGS

Master/Slave: Slave
 Reset/Normal: Normal
 Priority Zone: Off



SWITCH SETTINGS

Master/Slave: Master
 Reset/Normal: Normal
 Priority Zone: On

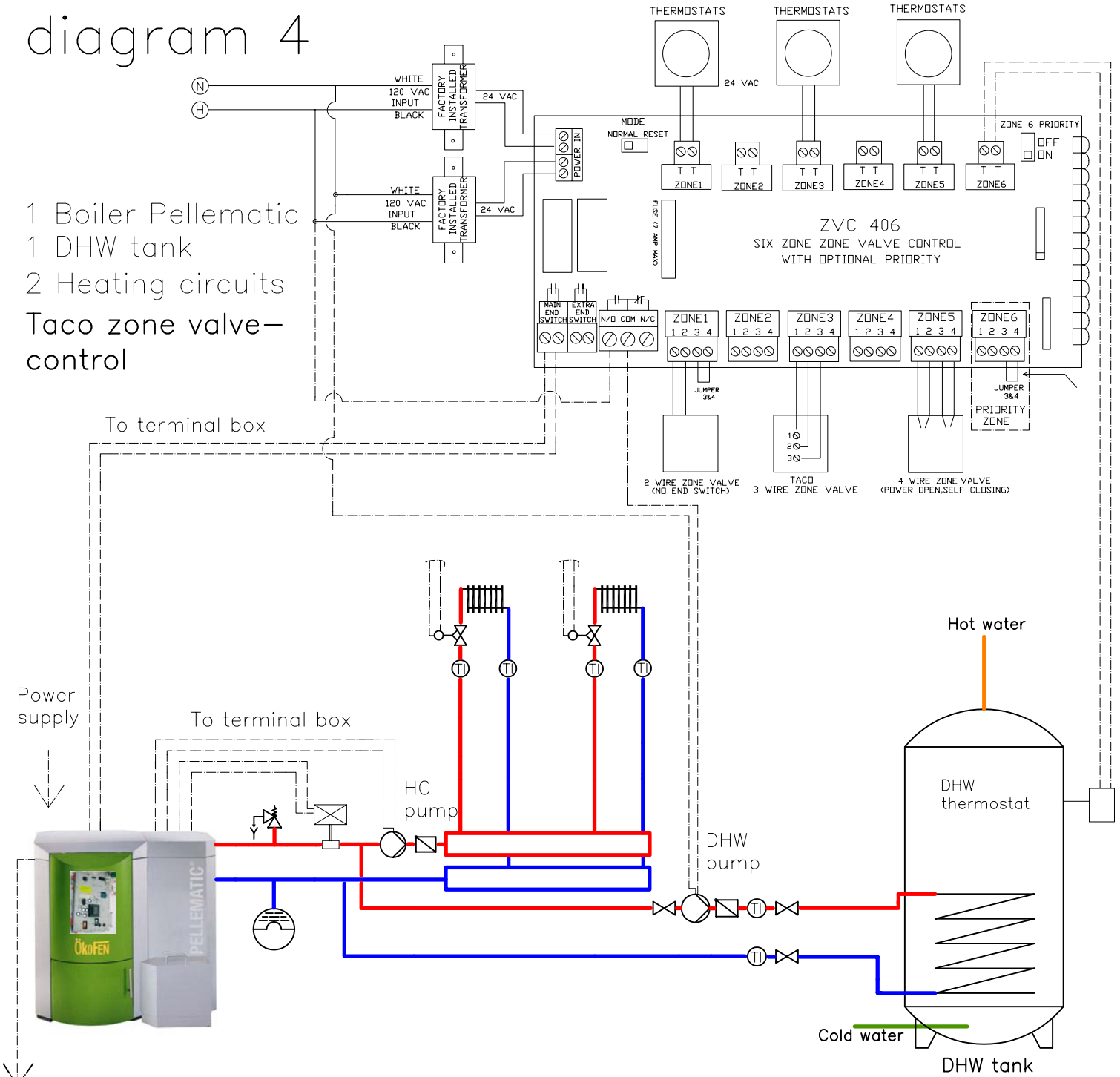


TO TERMINAL BOX

DHW CIRCULATOR

Connecting diagram 4

- 1 Boiler Pellematic
- 1 DHW tank
- 2 Heating circuits
- Taco zone valve-control

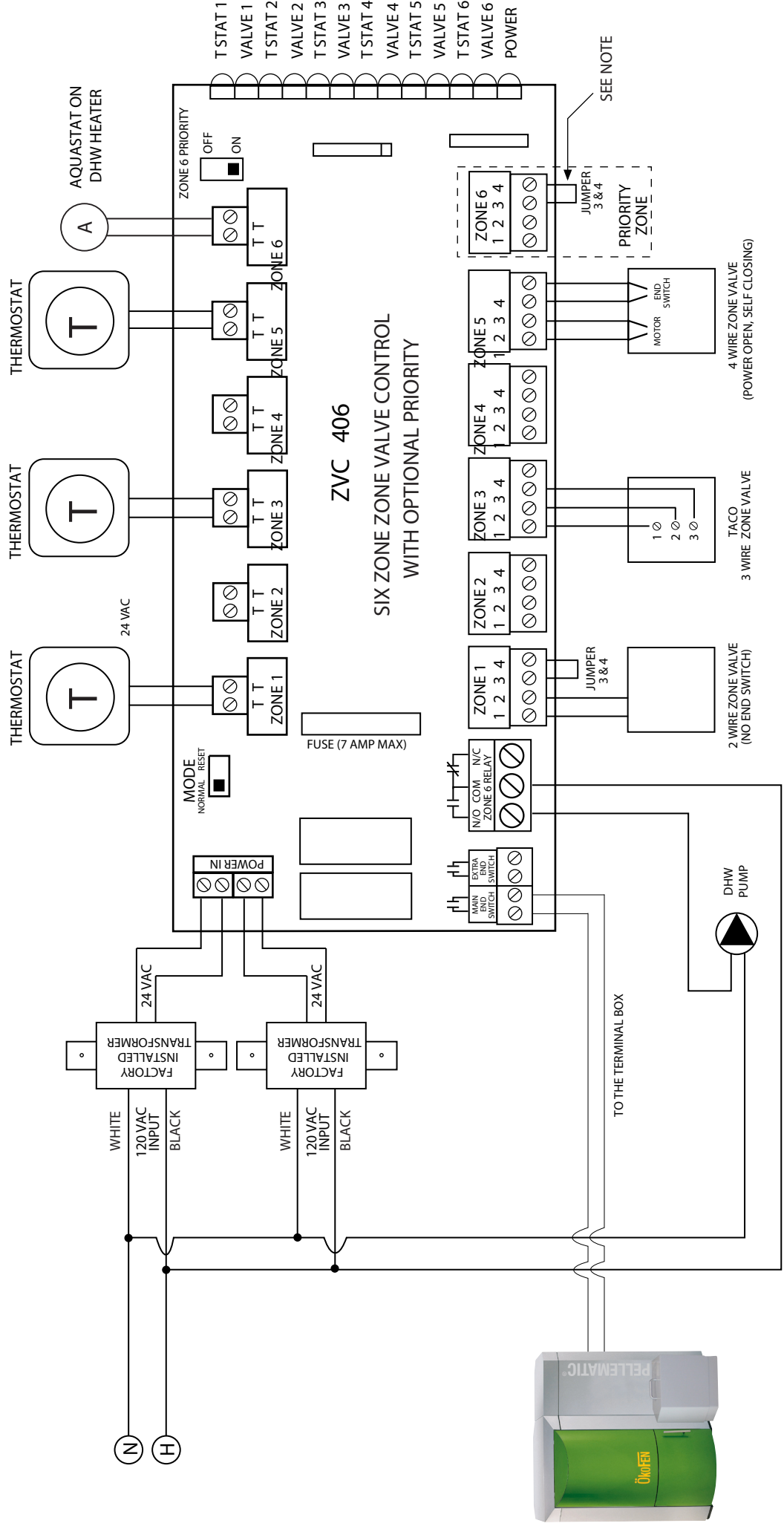


Terminal Box

Device	Connecting terminal	
HC pump	Boiler controlled pump	max. 5 Amp.
DHW pump	Domestic hot water pump	
Low water cut off	Low water cut off	
Main end switch (ZVC406)	Boiler contact	

The diagram is symbolic and not exhaustive.

ZVC404/406 with Domestic Hot Water (DHW) Pump

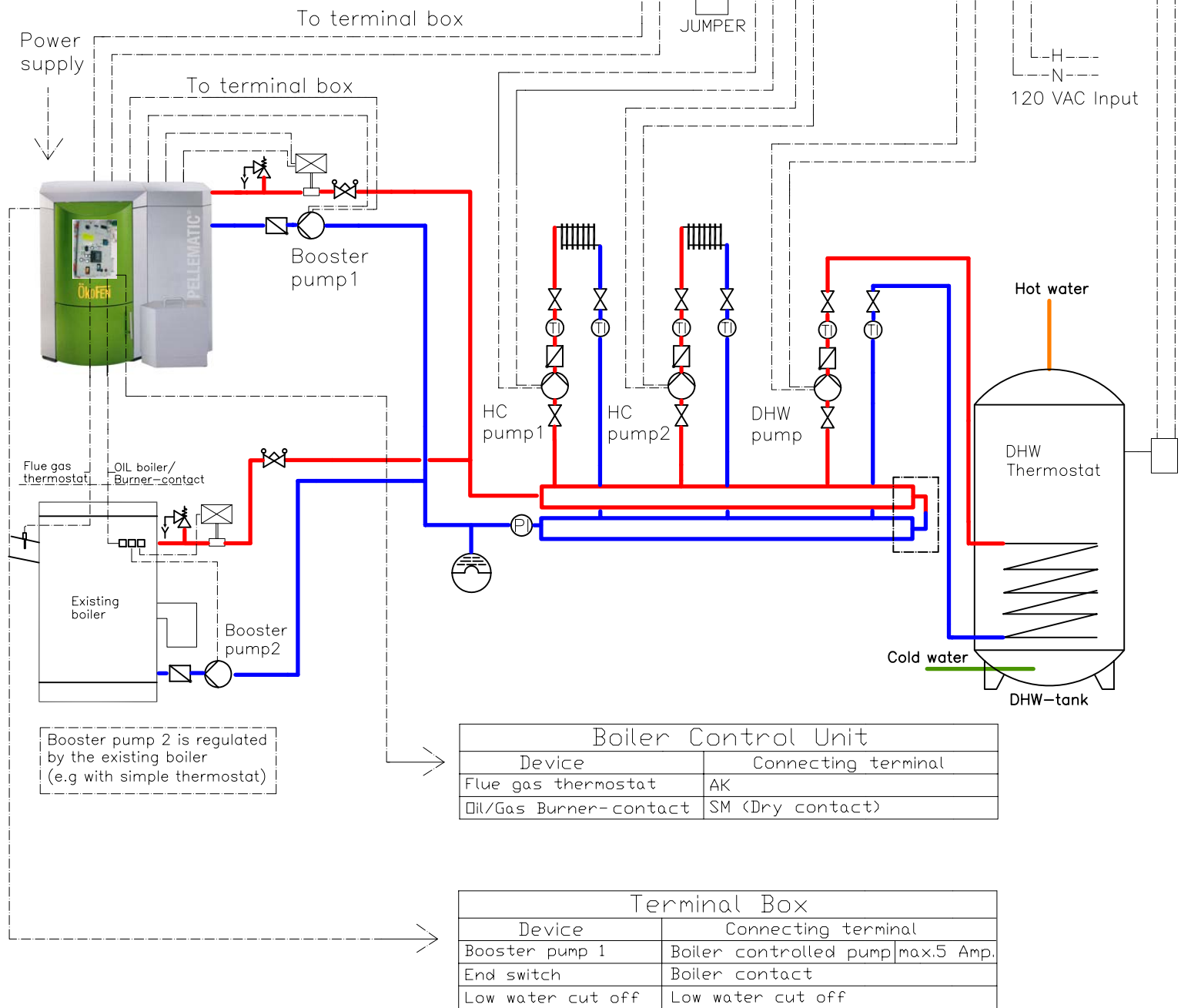
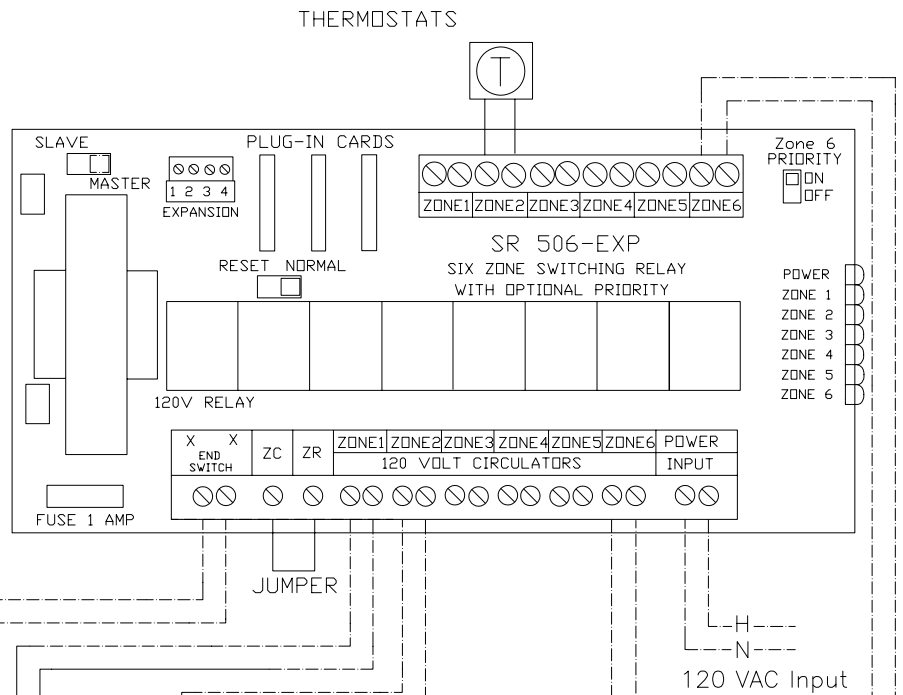


BOILER TURNS ON WHEN ANY ZONE VALVE OPENS.
 DHW PUMP TURNS ON ONLY WHEN PRIORITY ZONE CALLS.

Note: When a circulator is used on the priority zone instead of a zone valve, jumper 3 and 4 of the priority zone.

Connecting – diagram 5

- 1 Boiler Pellematic
 - 1 Existing boiler (oil or gas)
 - 1 DHW tank
 - 2 Heating circuits
- Taco – switching relay →

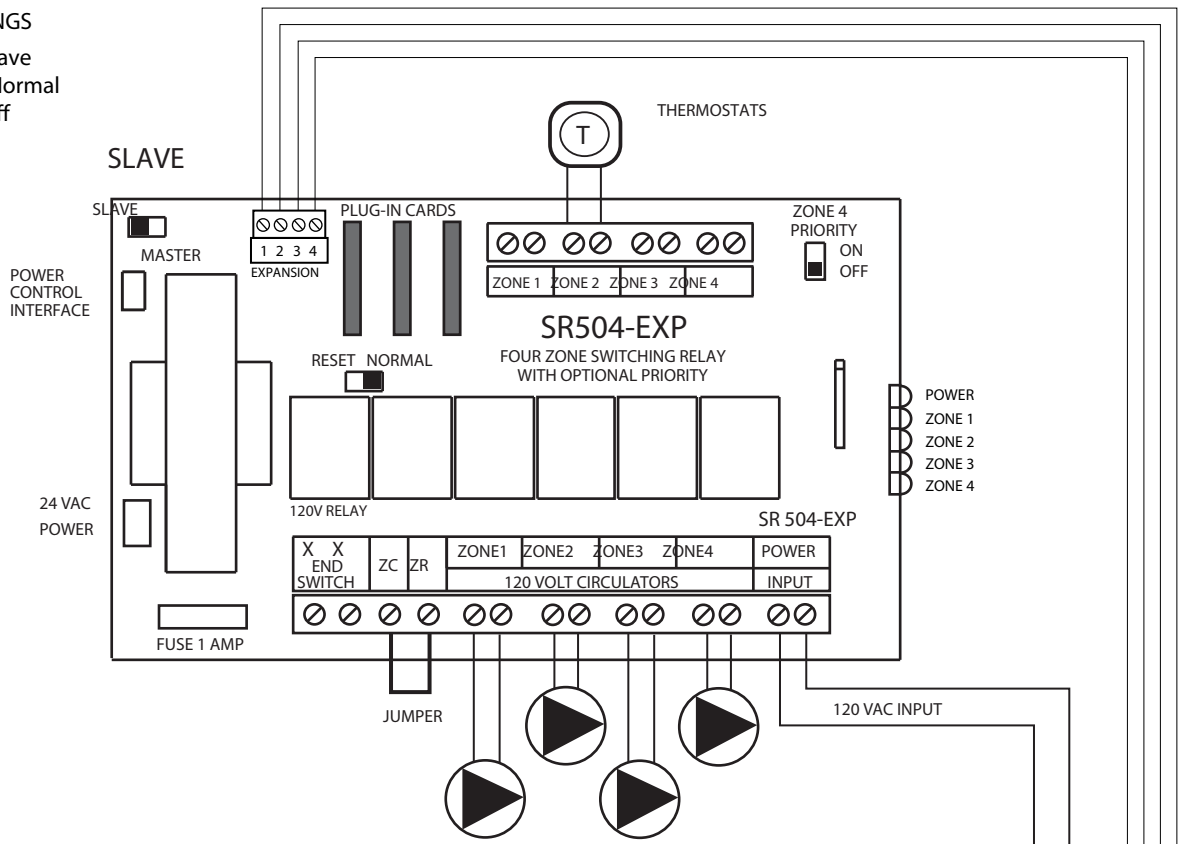


The diagram is symbolic and not exhaustive.

2 Expandable Switching Relays Connected Together

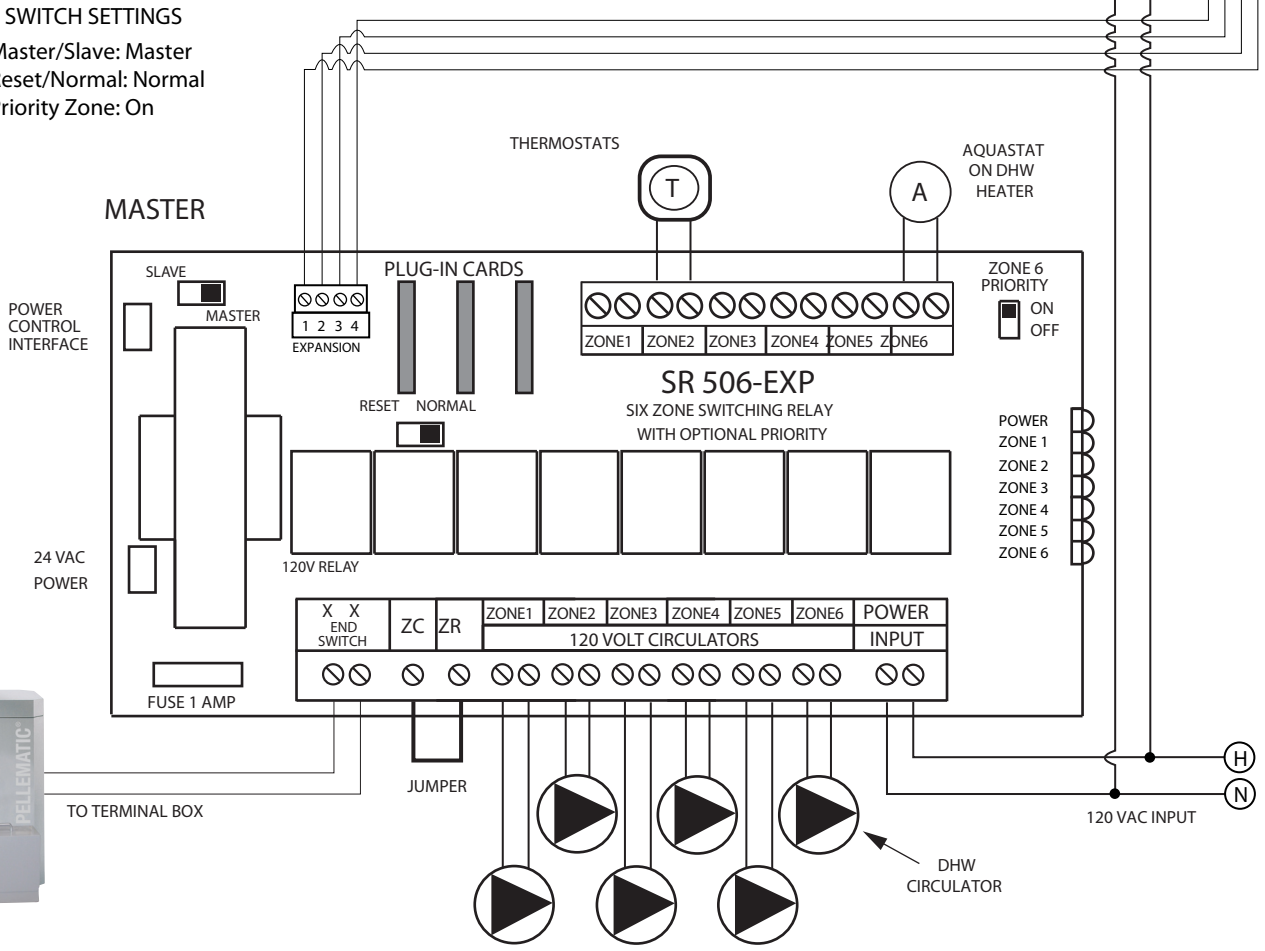
SWITCH SETTINGS

Master/Slave: Slave
 Reset/Normal: Normal
 Priority Zone: Off



SWITCH SETTINGS

Master/Slave: Master
 Reset/Normal: Normal
 Priority Zone: On

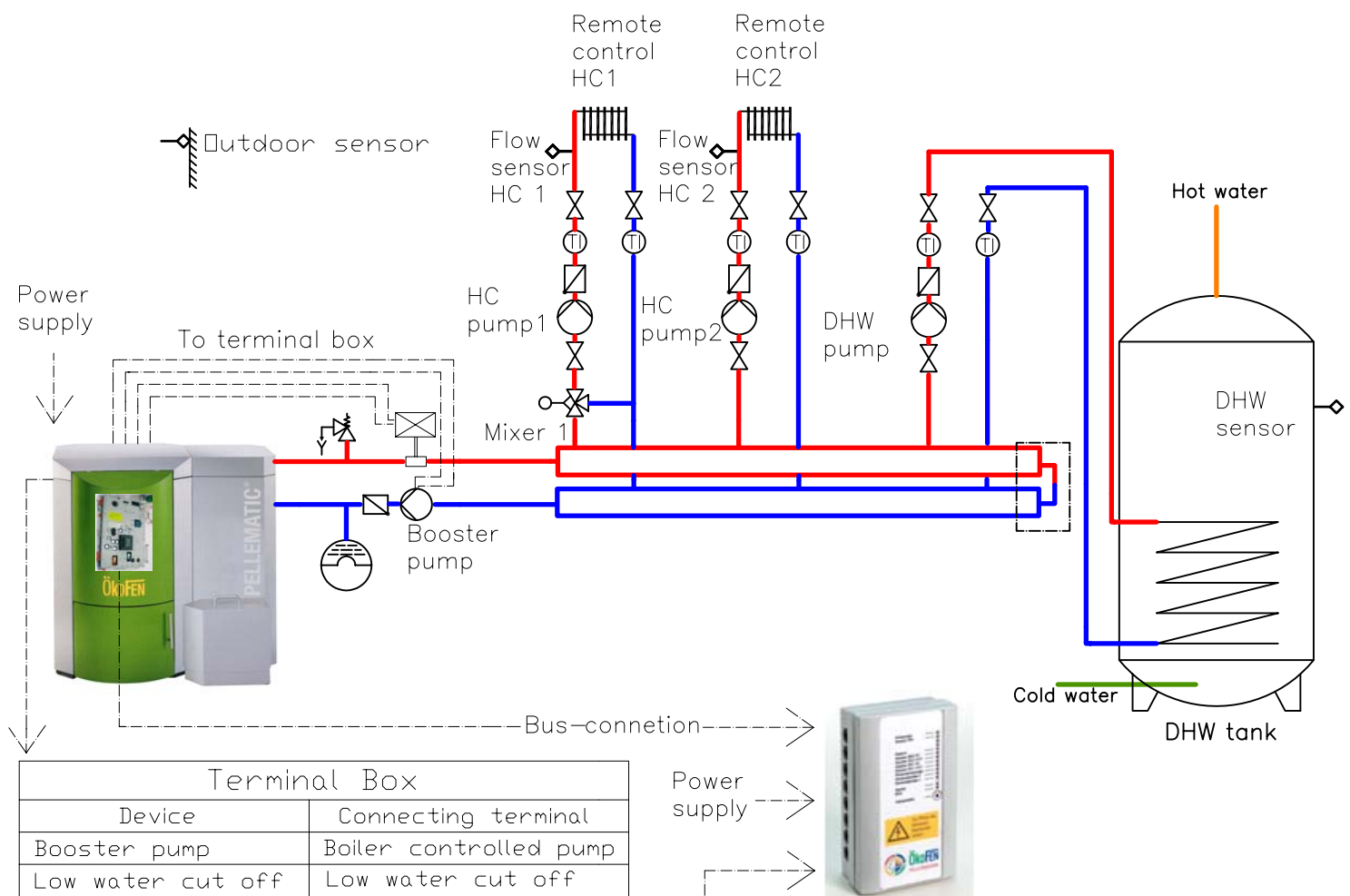


TO TERMINAL BOX

DHW CIRCULATOR

Connecting diagram 6

- 1 Boiler Pellematic
- 1 DHW tank
- 1 Heating circuit
- 1 (mixed) Heating circuit with outdoor temperature control–Pelletronic Plus

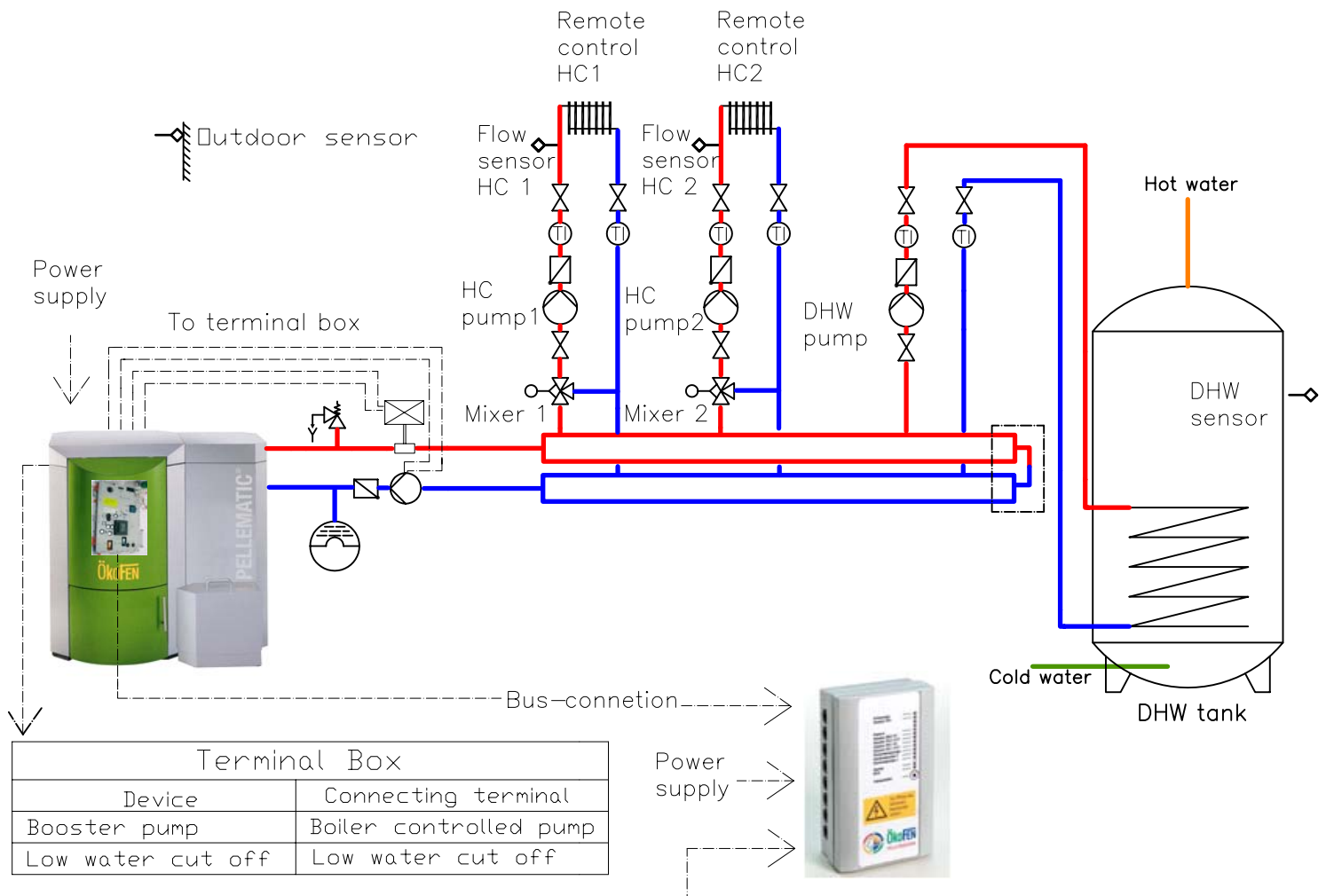


Heating Controller Pelletronic-Plus I/O Box				
Device	Connecting terminal	Type of cable		Cable specification
DHW sensor	I 6	YML	2X0,75	K 19
Flow sensor HC 2	I 5	YML	2X0,75	K 11
Flow sensor HC 1	I 4	YML	2X0,75	K 10
Outdoor sensor	I 3	YML	2X0,75	K 09
Remote control HK 2	I 2	LS-YYCVY-0Z	4X0,75	K 07
Remote control HK 1	I 1	LS-YYCVY-0Z	4X0,75	K 06
BUS-connection	GND,24V,B,A	LS-YYCVY-0Z	4X0,75	K 01
Power supply	L1,L2,N,⊕	YML-J	3x1	K 02
HC pump 1	□ 1	YML-J	3x0,75	K 14
HC pump 2	□ 2	YML-J	3x0,75	K 15
DHW pump	□ 3	YML-J	3x0,75	K 21
Mixer HC 1 open	□ 4	YML-J	3x0,75	K 12
Mixer HC 1 close	□ 5			K 12

The diagram is symbolic and not exhaustive.

Connecting diagram 7

- 1 Boiler Pellematic
- 1 DHW tank
- 2 (mixed) heating circuits with outdoor temperature control–Pelletronic Plus



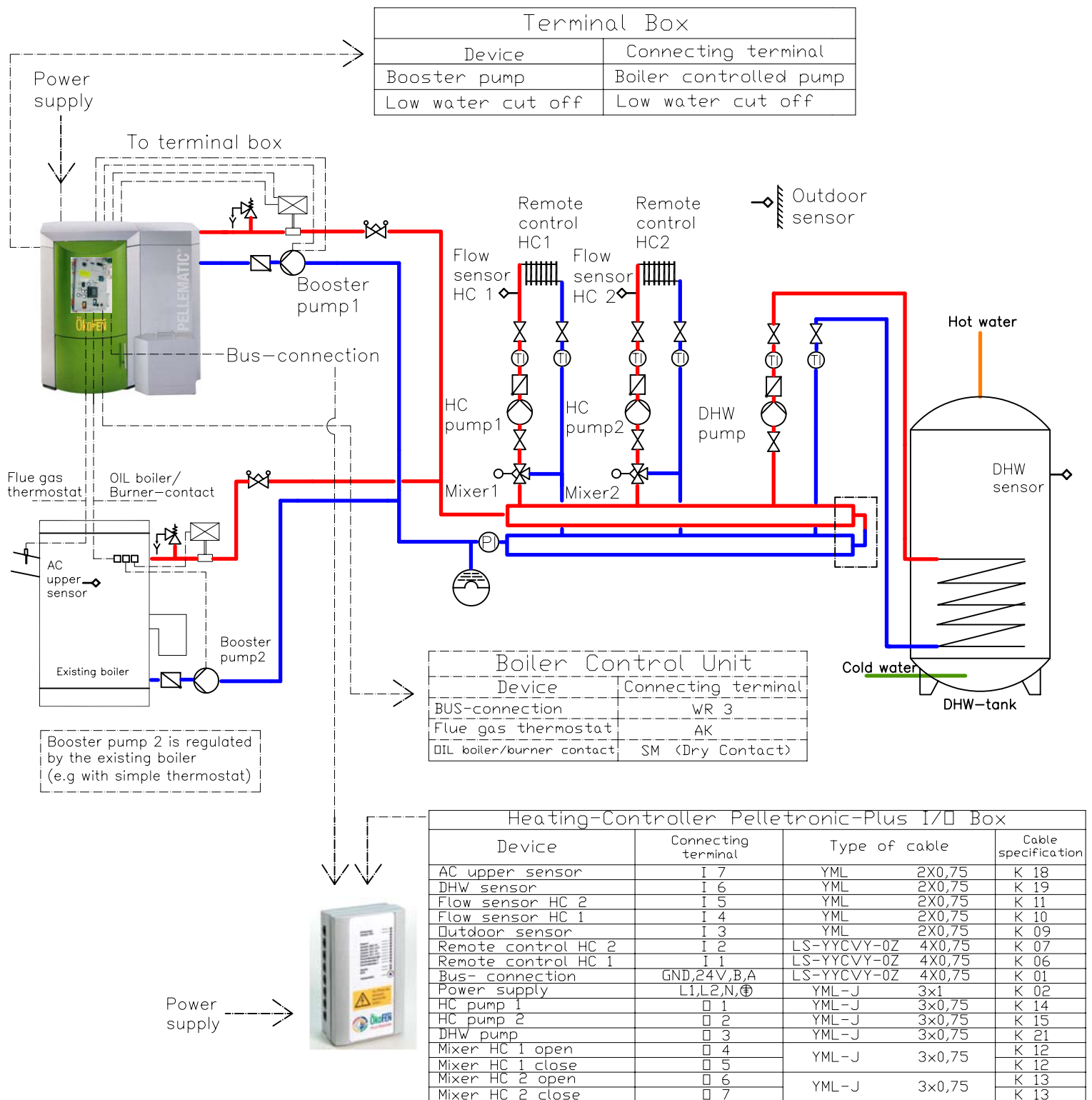
Terminal Box	
Device	Connecting terminal
Booster pump	Boiler controlled pump
Low water cut off	Low water cut off

Heating Controller Pelletronic-Plus I/O Box				
Device	Connecting terminal	Type of cable	Cable specification	
DHW sensor	I 6	YML 2X0,75		K 19
Flow sensor HC 2	I 5	YML 2X0,75		K 11
Flow sensor HC 1	I 4	YML 2X0,75		K 10
Outdoor sensor	I 3	YML 2X0,75		K 09
Remote control HK 2	I 2	LS-YYCVY-0Z 4X0,75		K 07
Remote control HK 1	I 1	LS-YYCVY-0Z 4X0,75		K 06
BUS-connection	GND,24V,B,A	LS-YYCVY-0Z 4X0,75		K 01
Power supply	L1,L2,N,⊕	YML-J 3x1		K 02
HC pump 1	0 1	YML-J 3x0,75		K 14
HC pump 2	0 2	YML-J 3x0,75		K 15
DHW pump	0 3	YML-J 3x0,75		K 21
Mixer HC 1 open	0 4	YML-J 3x0,75		K 12
Mixer HC 1 close	0 5		K 12	
Mixer HC 2 open	0 6	YML-J 3x0,75		K 13
Mixer HC 2 close	0 7		K 13	

The diagram is symbolic and not exhaustive.

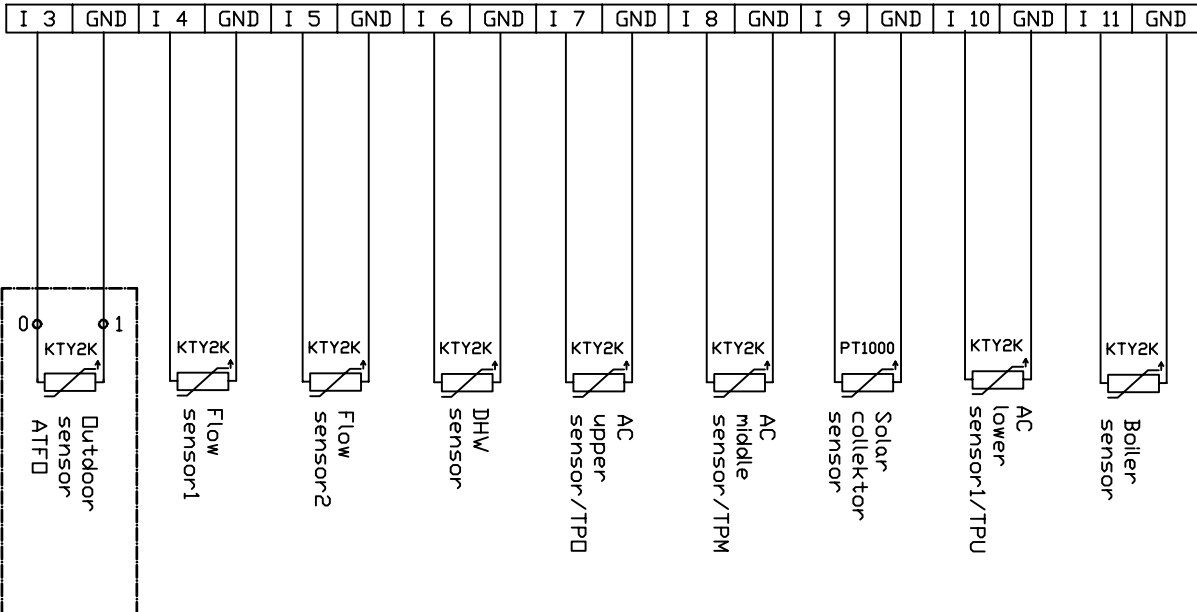
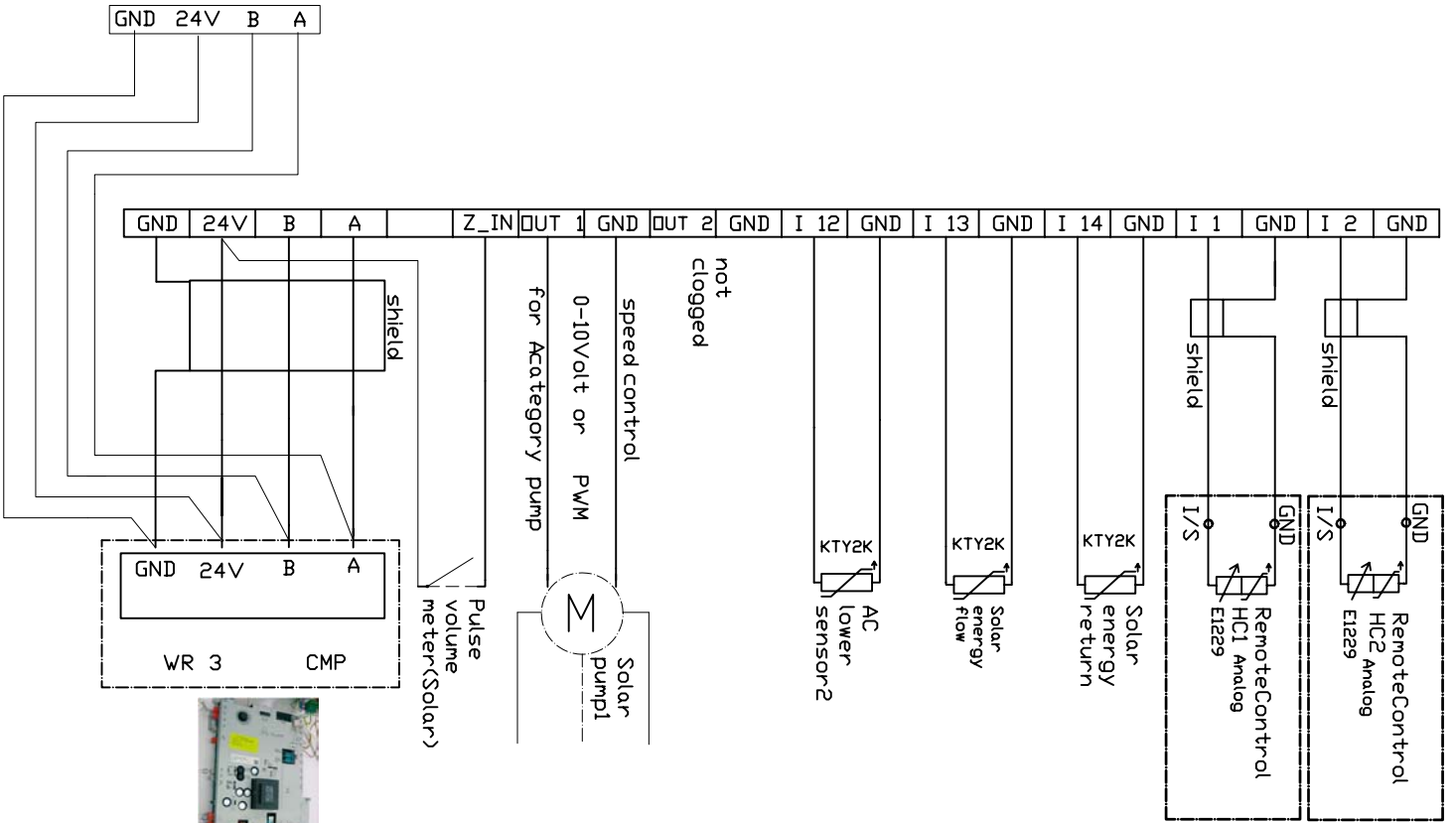
Connecting diagram 8

- 1 Boiler Pellematic
- 1 Existing boiler
- 1 DHW tank
- 2 (mixed) heating circuits with outdoor temperature control–Pelletronic Plus

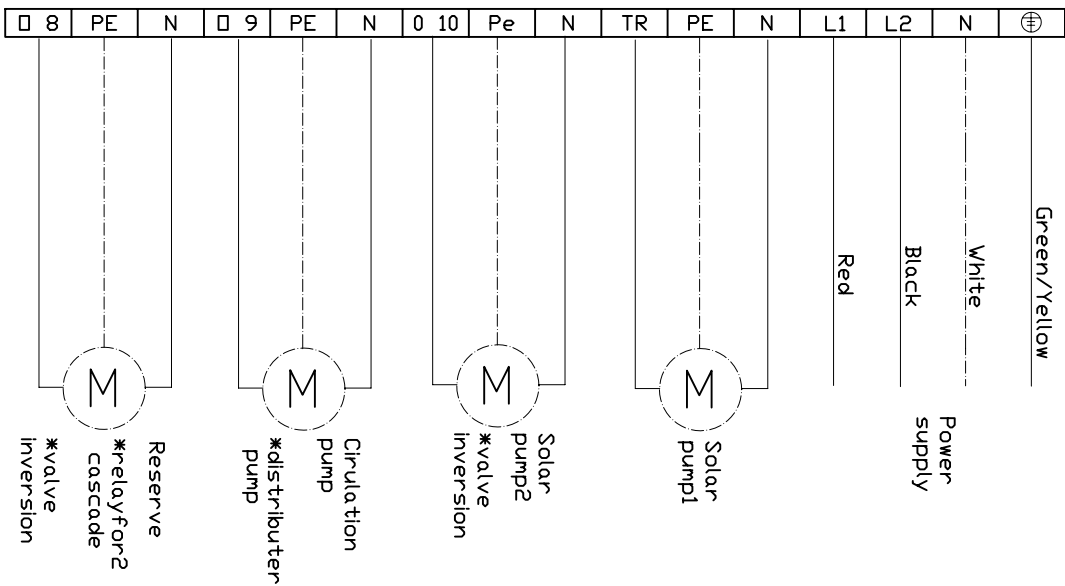
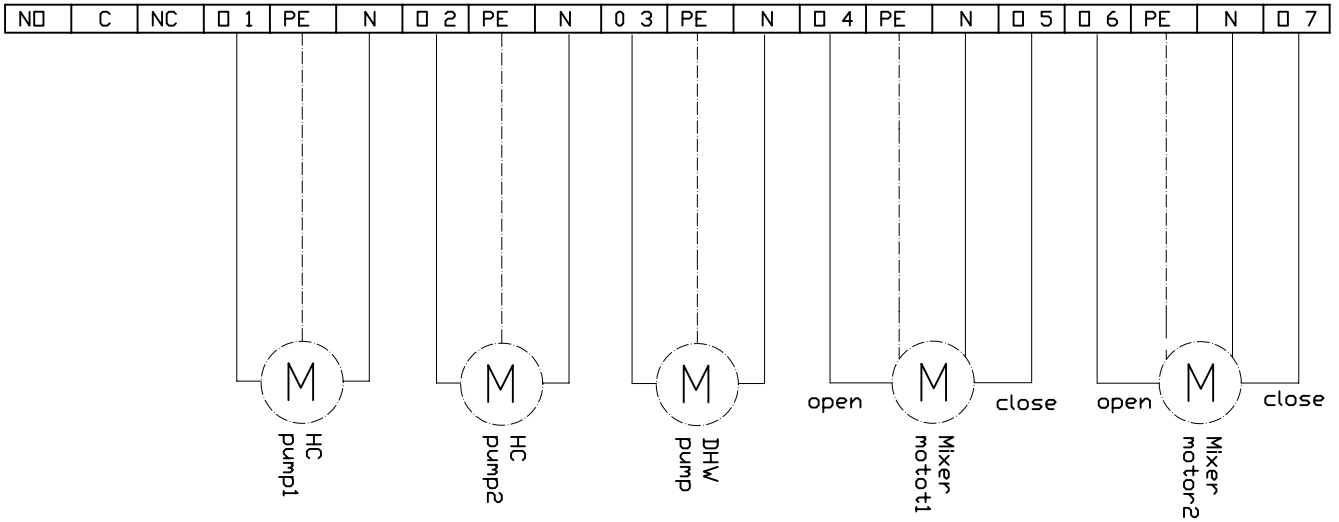


The diagram is symbolic and not exhaustive.

Connecting diagram I/O Box Input

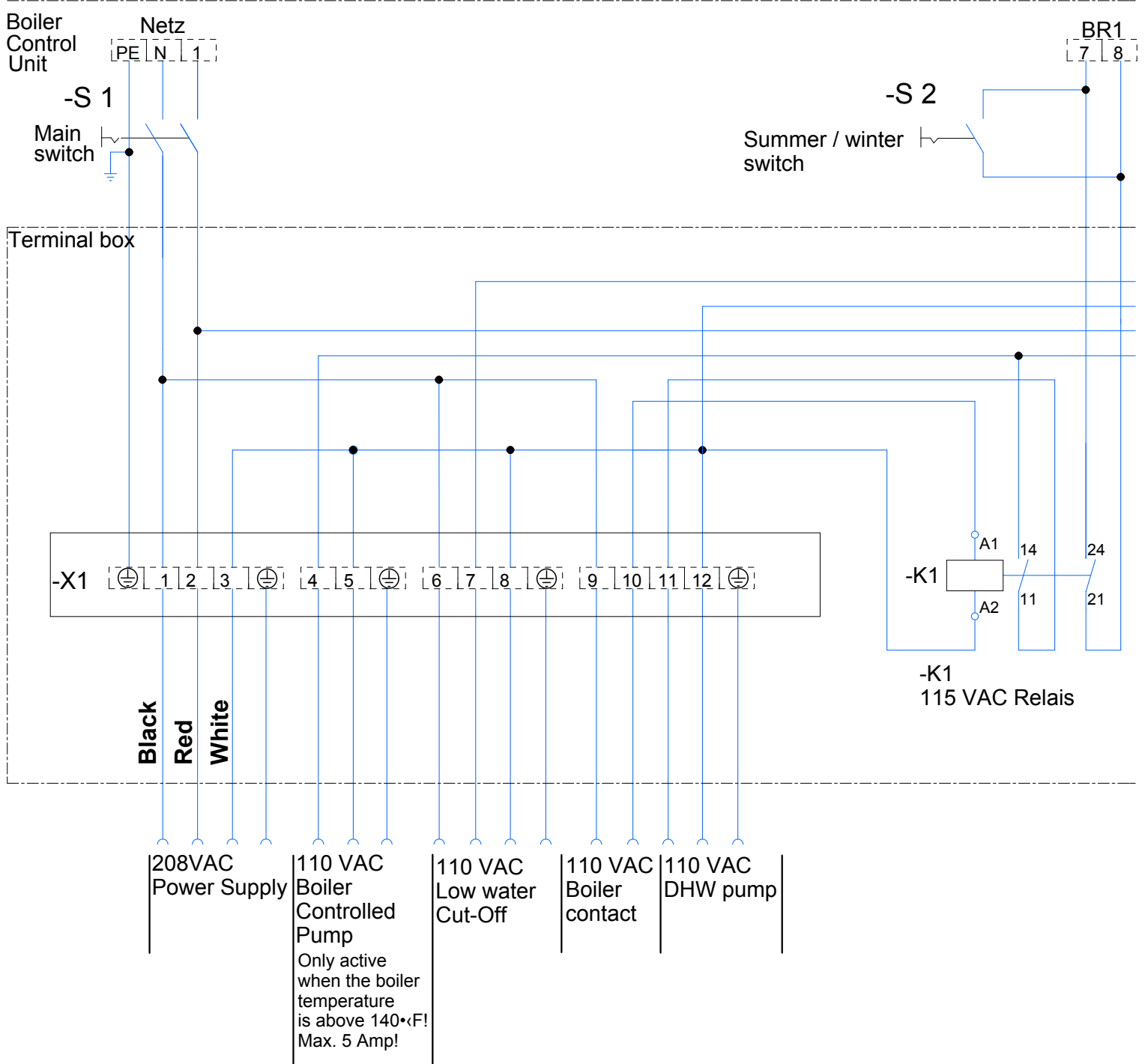


Connecting diagram I/O Box Output

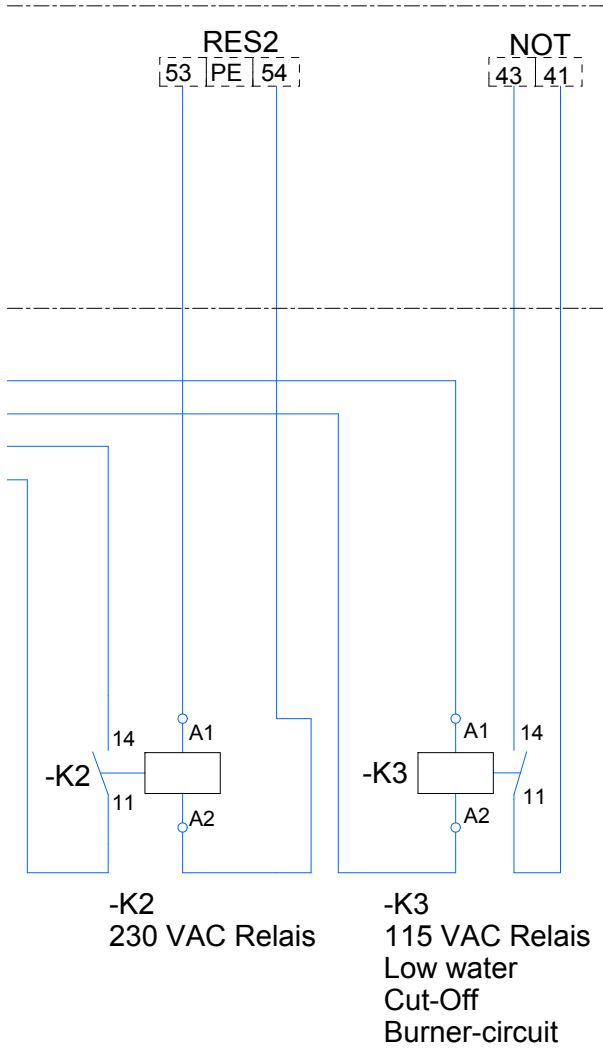


*optional

WIRING DIAGRAM -



Terminal box



Wiring plan

Terminal	Specification
⊕	Ground wire - Power Supply
1	Hot wire L1 (Black) - Power Supply
2	Hot wire L2 (Red) - Power Supply
3	Neutral wire (White) - Power Supply
⊕	Ground wire - Power Supply
4	Hot wire - Boiler Controlled Pump
5	Neutral wire - Boiler Controlled Pump
⊕	Ground wire - Boiler Controlled Pump
6	Hot wire - Power Supply water Cut-Off
7	Hot wire - Burner Circuit Low water Cut-Off
8	Neutral wire - Low water Cut-Off
⊕	Ground wire - Low water Cut-Off
9	Hot wire - boiler contact
10	Hot wire - boiler contact
11	Hot wire - Domestic hot water pump
12	Neutral wire - Domestic hot water pump
⊕	Ground wire - Domestic hot water pump

