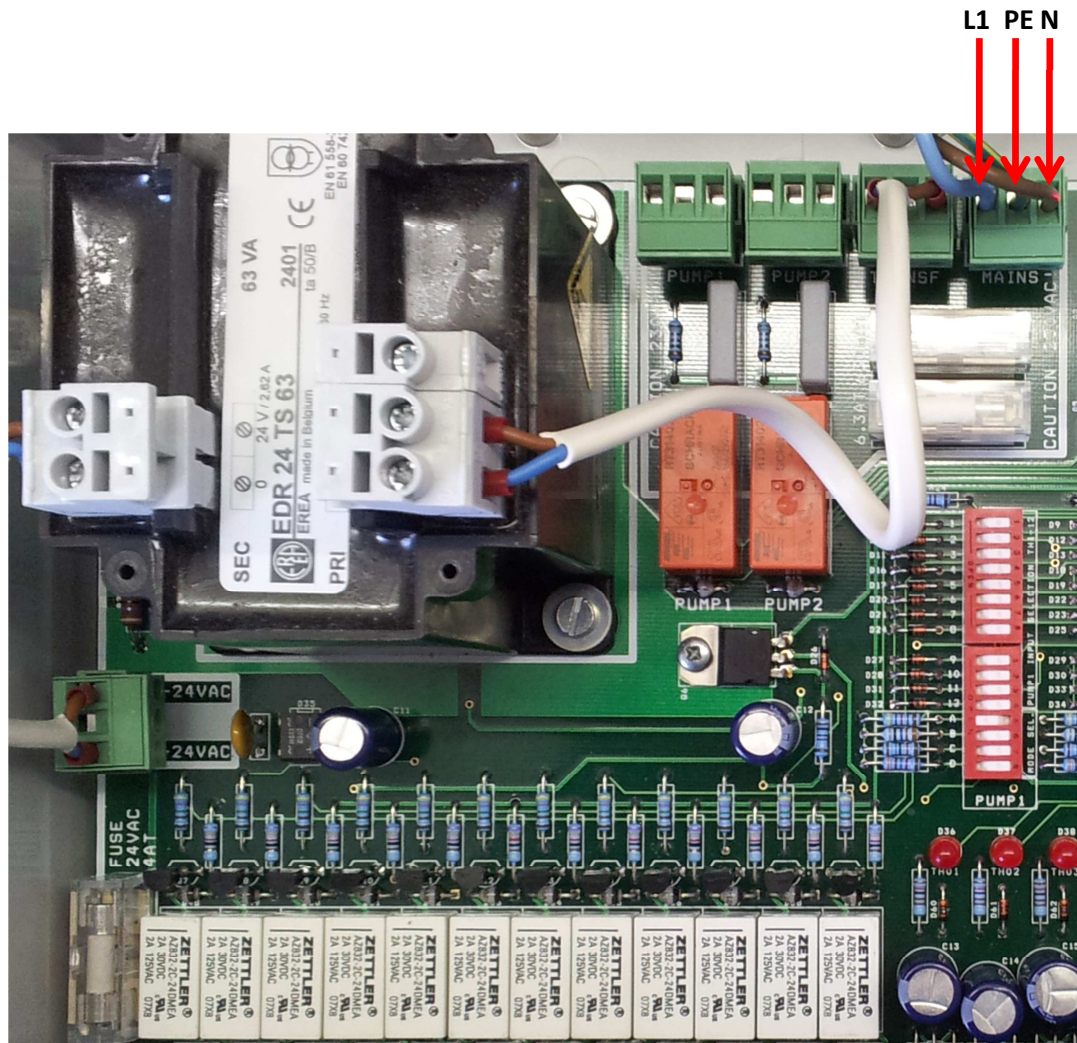


CV ZONE CONTROL 1.0

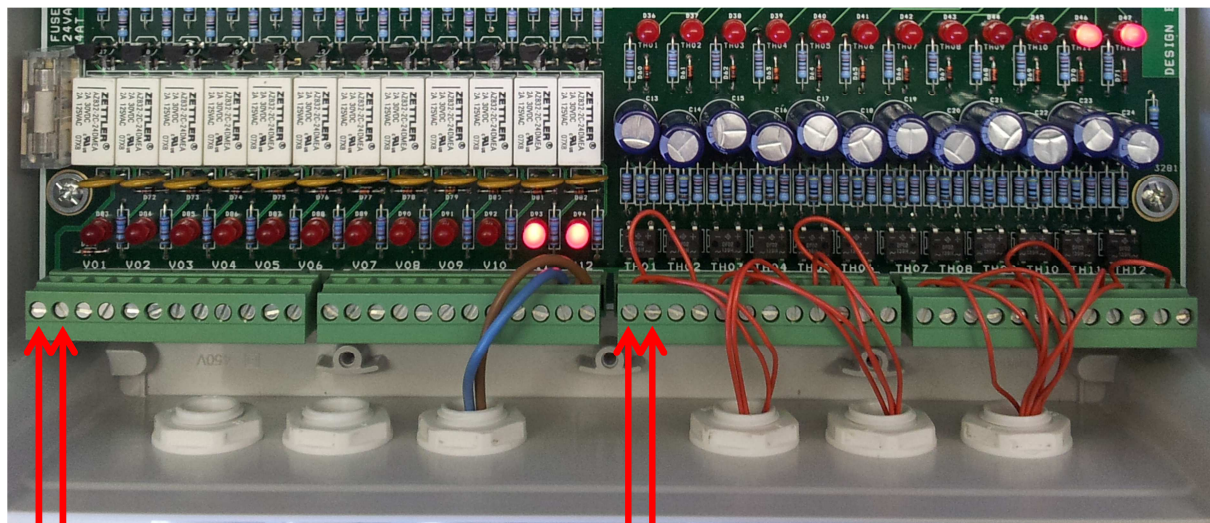


Cv zone control power connection and circuit breaker values

Connect the cv zone control unit to an available wall outlet which is protected by a circuit breaker of 16A, a RCD (Residual Current Device) of 30mA and has an earth grounding connection.



Connecting the valves and thermostats

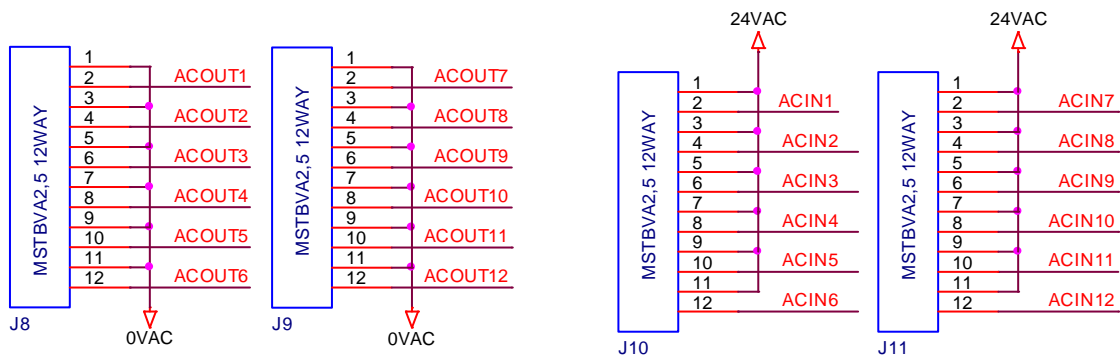


ACOUT1
0VAC

VALVE

ACIN1
24VAC

Thermostat



Valve ON/OFF behavior

When a thermostat is switched, the corresponding valve is switched ON after approximately 4 seconds. In the first 1 minute a valve output is switched ON, all other valve output enabling is delayed with 1 minute due to current inrush protection.

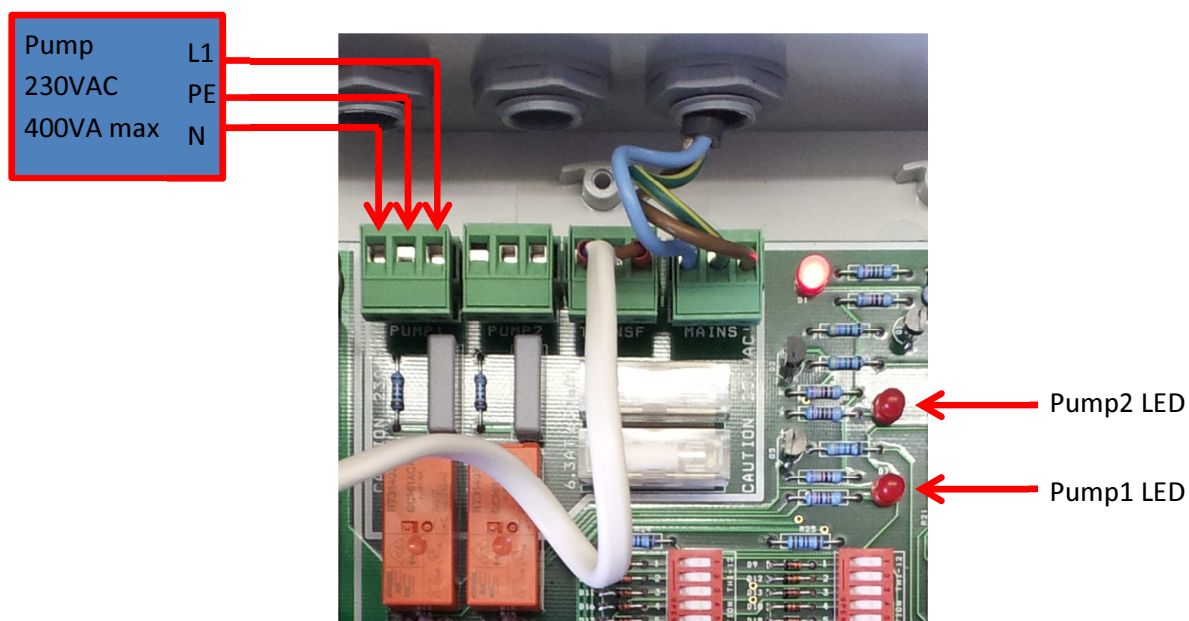
When the thermostat of an enabled valve is disabled, the corresponding valve will be switched off within approximately 2 minutes.

If a thermostat is the last to be disabled, the corresponding valve output will be switched OFF with a delay of 10 minutes to allow after circulation of heating water by central heating pump.

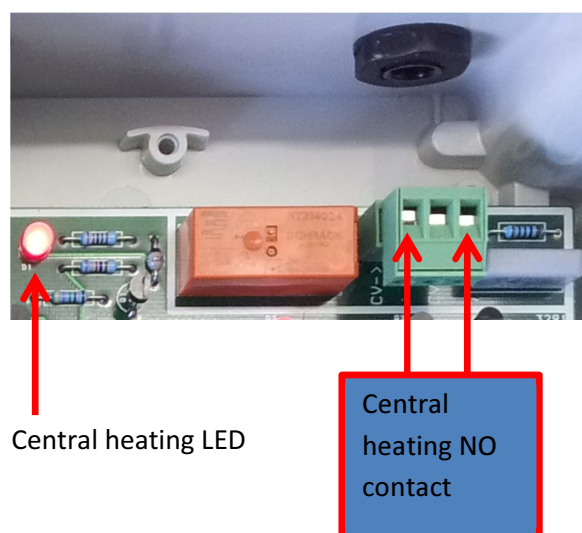
Thermostat cascading

It is allowed to cascade multiple thermostat inputs after 1 thermostat. However the valve outputs are enabled with 1 minute inrush protection after each other. When this group of valves is switched off as last, 1 output will remain ON for 10 minutes.

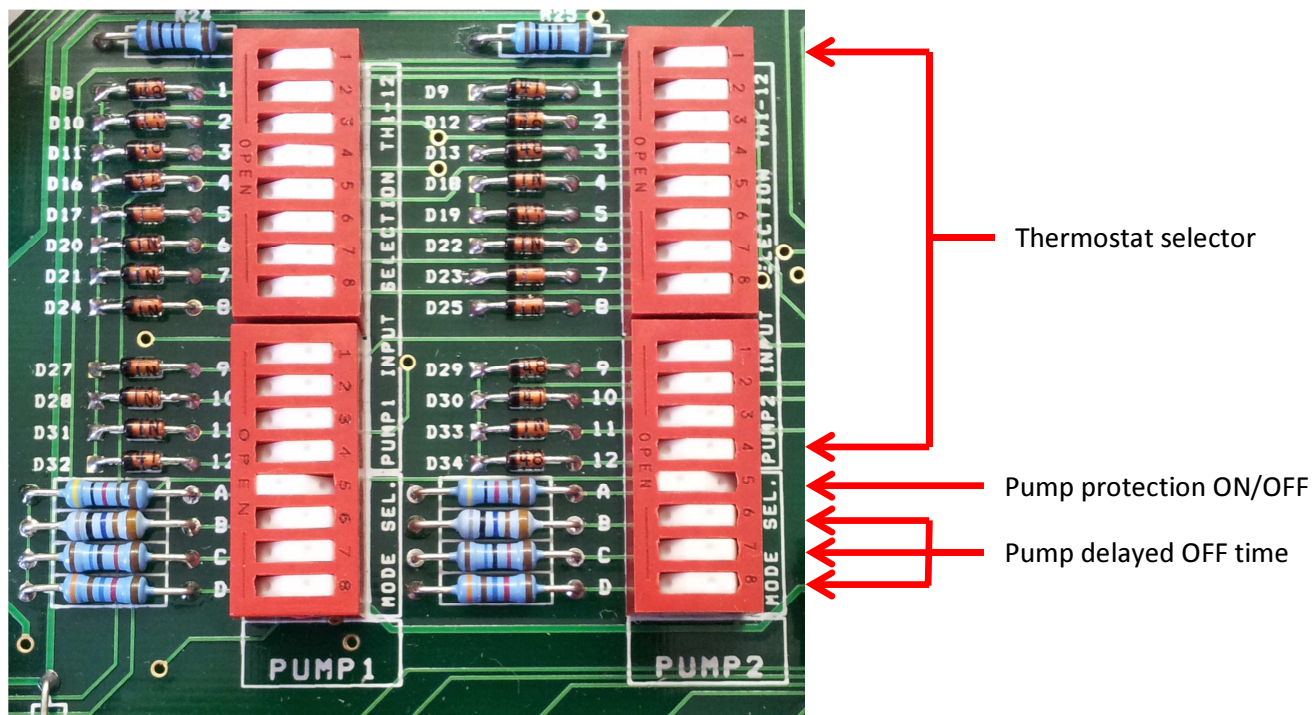
Connecting floor heating pumps



Connecting central heating unit potential free NO contact



Floor heating pump settings



When a switch is switched towards "----OPEN-----" (to the left) the contact is OFF.

Thermostat selector

Use the first 12 switches to select which thermostat may enable the floor heating pump.
When a valve output is switched ON, the selected pump will also be switched ON if selected.

Pump protection ON/OFF

Set this switch to ON to enable the pump protection timer. When no valve is switched within 24 hours, the pump will run automatically for 1 minute.

Pump delayed OFF time

With these 3 switches 4 settings can be set regarding pump delayed OFF time:

1. All switches OFF, pump delay OFF time is 5 minutes.
2. Switch 6 to ON (switch 7 and 8 OFF), pump delay OFF time is 10 minutes
3. Switch 7 to ON (switch 6 and 8 OFF), pump delay OFF time is 20 minutes
4. Switch 8 to ON (switch 6 and 7 OFF), pump delay OFF time is 30 minutes

Pump delayed OFF time starts after the last valve has been closed.

Maximum ratings cv zone control

• Maximum connectible valves (3Watt nom/valve)	:	20	valves
• Maximum connectible valves per output	:	3	valves
• Maximum no of thermostat cascading	:	12	thermostats
• Valve output voltage	:	24	Vac
• Maximum valve output current	:	900	mA
• Thermostat switching voltage	:	24	Vac
• Thermostat switching current	:	20	mA
• Cv zone control idle power consumption	:	7.5	Watt
• Cv zone control maximum power consumption	:	70	Watt
• Main circuit breaker	:	6.3	A T
• Transformer circuit breaker	:	630	mA T
• Valve output supply circuit breaker	:	4	A T