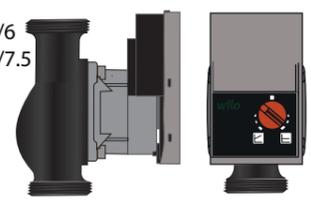
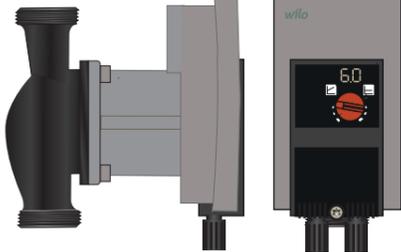


WARNING!!

Do not turn on the heat pump. The commissioning of the heat pump is a separate process. The underfloor heating circulators are controlled by the heat pump and so will not run during the following checks.

Electrical control checklist	
Zone heating controls The pipes below the flow valves on the Optiflo manifold should have been marked during installation of the plumbing with the zones to which they run. It is essential for the operation of the system that room thermostats, actuators and flow valves are correctly matched to each other. To check that the matching is correct: Check zone details and positions of the Optiflo manifolds (Refer to the A3 Schedule of Thermostats). Take note of any split zones where room thermostats may be required to activate more than one valve actuator.	
1.	 BEFORE APPLYING POWER TO THE HEATING SYSTEM Refer to the A3 Schedule of Thermostats. For zones that are required to have a remote sensor, check that the sensor is connected (refer to thermostat supplier's instructions).
	 Turn on the heating system isolation switch.
2. Go to manifold A	 Set all room thermostats to minimum
3. Start at the first zone	 All actuators should be off with the central button down.
	 Set the zone room thermostat high to produce a call-for-heat.
	 Check that the correct electrical actuator opens on the manifold. The central button will lift proud of the white cap after a delay of approximately two minutes. Label the actuator cable to match the pipe zone description.
4. Repeat for other zones 5. Go to next manifold	 Refer to the A3 Schedule of Thermostats. For zones that are required to have a remote sensor, check that the sensor is operational (refer to thermostat supplier's instructions).
	 Set the zone room thermostat to minimum.
	 Repeat stage 3 for all other zones on the manifold.  Repeat steps 2 to 5 for each manifold in turn.
6. Finishing	 Set all room thermostats to normal temperature for the room.

Commissioning the under floor heating circulator(s)	
Pump model	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Wilo Yonos PARA RS25/6 Yonos PARA RS25/7.5</p>  </div> <div style="width: 30%;"> <p>Wilo Yonos PARA HF 25/7, Yonos PARA HF 25/10, Yonos MAXO 40/12</p>  </div> <div style="width: 30%;"> <p>Grundfos Magna 1</p>  </div> </div>
Optimum setting	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Turn red knob clockwise to Constant Pressure mode, position 6. This corresponds to 6m head.</p> <div style="display: flex; align-items: center;"> ✗  ✓ </div> <p style="font-size: 0.8em; margin-top: 5px;">Proportional pressure Constant pressure</p> </div> <div style="width: 30%;"> <p>Turn red knob clockwise to Constant Pressure mode, until digital display shows 6.0 corresponding to 6m head.</p> <div style="display: flex; align-items: center;"> ✗  ✓ </div> <p style="font-size: 0.8em; margin-top: 5px;">Proportional pressure Constant pressure</p> </div> <div style="width: 30%;"> <p>Press  4 times to cycle through the options until constant pressure mode 3 is lit:</p> <div style="display: flex; align-items: center;">  </div> <p>This corresponds to 6m head</p> </div> </div>

Underfloor Heating Control System
CHJNil - Commissioning the control system,
Heat pump system,
User supplied thermostats

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