





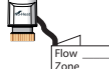












Electrical control checklist

**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.  At every manifold	 Important: Turn off the heating system isolation switch.
	 Important: Disconnect all manifold pumps – running a dry pump will result in damage to the pump and possibly to control equipment.
	 Turn on the heating system isolation switch.
2. Go to manifold A	 Set all room thermostats to 5°C: Press the V arrow repeatedly & press ✓ to accept
	 All actuators should be off with the central button down.
3. Start at the first zone	 Set the zone room thermostat high to produce a call-for-heat, and press ✓ to accept.
	 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.
	 Refer to the A3 Schedule of Thermostats. For zones that are required to have a floor temperature sensor, press and hold the < and > keys for five seconds. The display should show the floor temperature briefly, then revert to normal.
	 Set the zone room thermostat to 5°C using the V arrow, and press ✓ to accept.
	 Repeat stage 3 for all other zones on the manifold.
4. Repeat for other zones	 Repeat steps 2 to 5 for each manifold in turn.
5. Go to next manifold	 Important: Turn off the heating system isolation switch.
	 Reconnect all manifold pumps.
	 Turn on the heating system isolation switch.
	 Set all room thermostats to normal, press ✓ to accept.
7. Finishing	

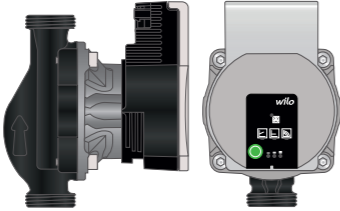
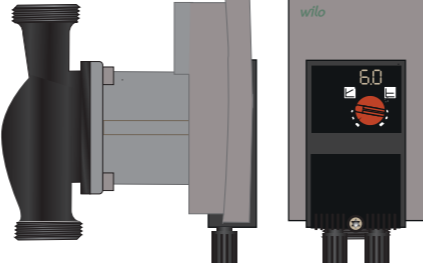



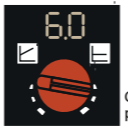
System with a combination boiler

-  Turn ON any Supplementary Isolation Switches next to all the Optiflo manifolds, to enable signals to and from the boiler.  
If the boiler has an integral time clock it should be set to constant or 24 hours.
-  Check that the boiler and boiler pump are controlled by calls-for-heat from the underfloor heating room thermostats. Check at least one heating zone on each Optiflo manifold by turning up the room thermostat.

System with a Nu-Heat EnergyPro cylinder or user-supplied cylinder

-  Turn ON any Supplementary Isolation Switches next to all the Optiflo manifolds, to enable signals to and from the boiler.  
If the boiler has an integral time clock it should be set to constant or 24 hours.
-  Check that the boiler and boiler pump are controlled by calls-for-heat from the underfloor heating room thermostats. Check at least one heating zone on each Optiflo manifold by turning up the room thermostat.
-  Optionally, neoUltra or a supplementary neoStat can be used as a hot water timeclock.  
If this is the case, set it to ON.
-  Check that the boiler and boiler pump are now controlled by the cylinder zone valve, which is in turn controlled by the cylinder thermostat.

Commissioning the under floor heating circulator(s)

<b>Pump model</b>	Wilo Para RS25/7 	Wilo Yonos PARA HF 25/7, Yonos PARA HF 25/10, Yonos MAXO 40/12 
<b>Optimum setting</b>	Press the green pushbutton to highlight Constant Pressure mode  and speed  . This corresponds to 7m head. 	Turn red knob clockwise to Constant Pressure mode, until digital display shows 6.0 corresponding to 6m head. 

Underfloor Heating Control System  
 CBNe -Commissioning the control system,  
 Boiler system, neoStat and neoAir



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