

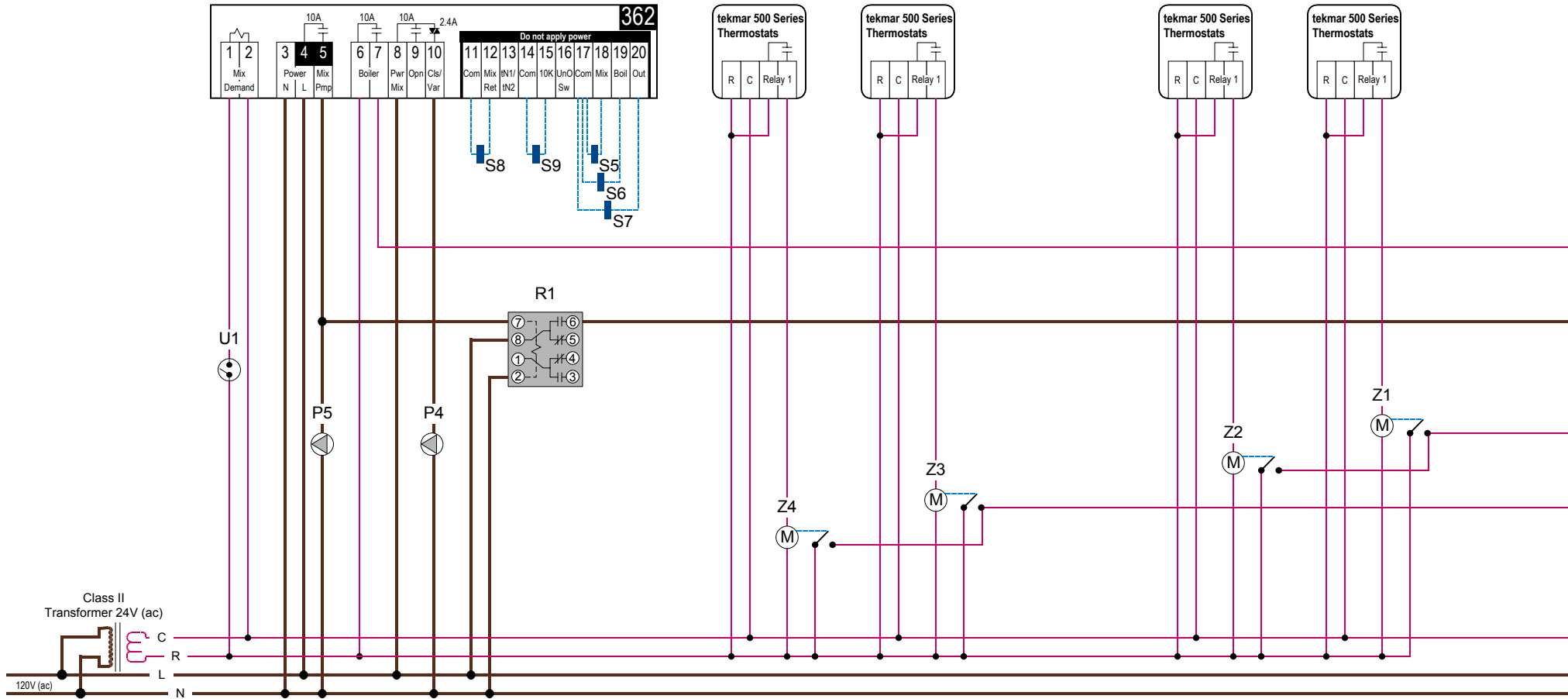
- P1 = Boiler Pump
- P2, P4 = Variable Speed Injection Pump
- P3, P5 = Mix System Pumps
- P6 = DHW Pump
- S1, S5 = Mix Supply Sensor 071
- S2 = Boiler Supply Sensor 071
- S3, S7 = Outdoor Sensor 070
- S4 = DHW Sensor 071
- S6 = Boiler Return Sensor 071
- S8 = Mix Return Sensor 071
- S9 = Slab Sensor 072
- V1 = Balancing Valve or Pressure Bypass Valve
- V2, V3 = Balancing Valve or Globe Valve
- Z1, Z2 = Boiler Zones
- Z3, Z4 = Mix Zones

Concept Drawing

This is only a concept drawing, not an engineered drawing. It is not intended to describe a complete system, nor any particular system. It is up to the system designer to determine the necessary components for and configuration of the particular system being designed, including additional equipment, isolation relays (for loads greater than the control's specified output ratings), and any safety devices which in the judgement of the designer are appropriate, in order to properly size, configure and design that system and to ensure compliance with building and safety code requirements.

System Operation

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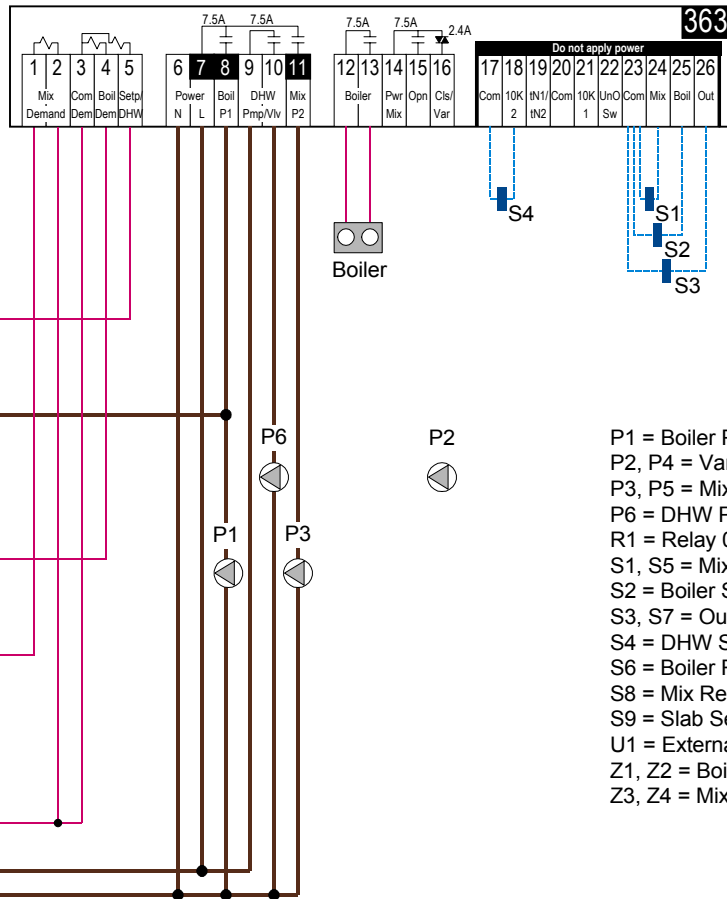


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Essential Control Settings

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- P1 = Boiler Pump
- P2, P4 = Var. Speed Injection Pump
- P3, P5 = Mix System Pumps
- P6 = DHW Pump
- R1 = Relay 004
- S1, S5 = Mix Supply Sensor 071
- S2 = Boiler Supply Sensor 071
- S3, S7 = Outdoor Sensor 070
- S4 = DHW Sensor 071
- S6 = Boiler Return Sensor 071
- S8 = Mix Return Sensor 071
- S9 = Slab Sensor 072
- U1 = External Demand Switch
- Z1, Z2 = Boiler Zones
- Z3, Z4 = Mix Zones

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Essential Control Settings

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