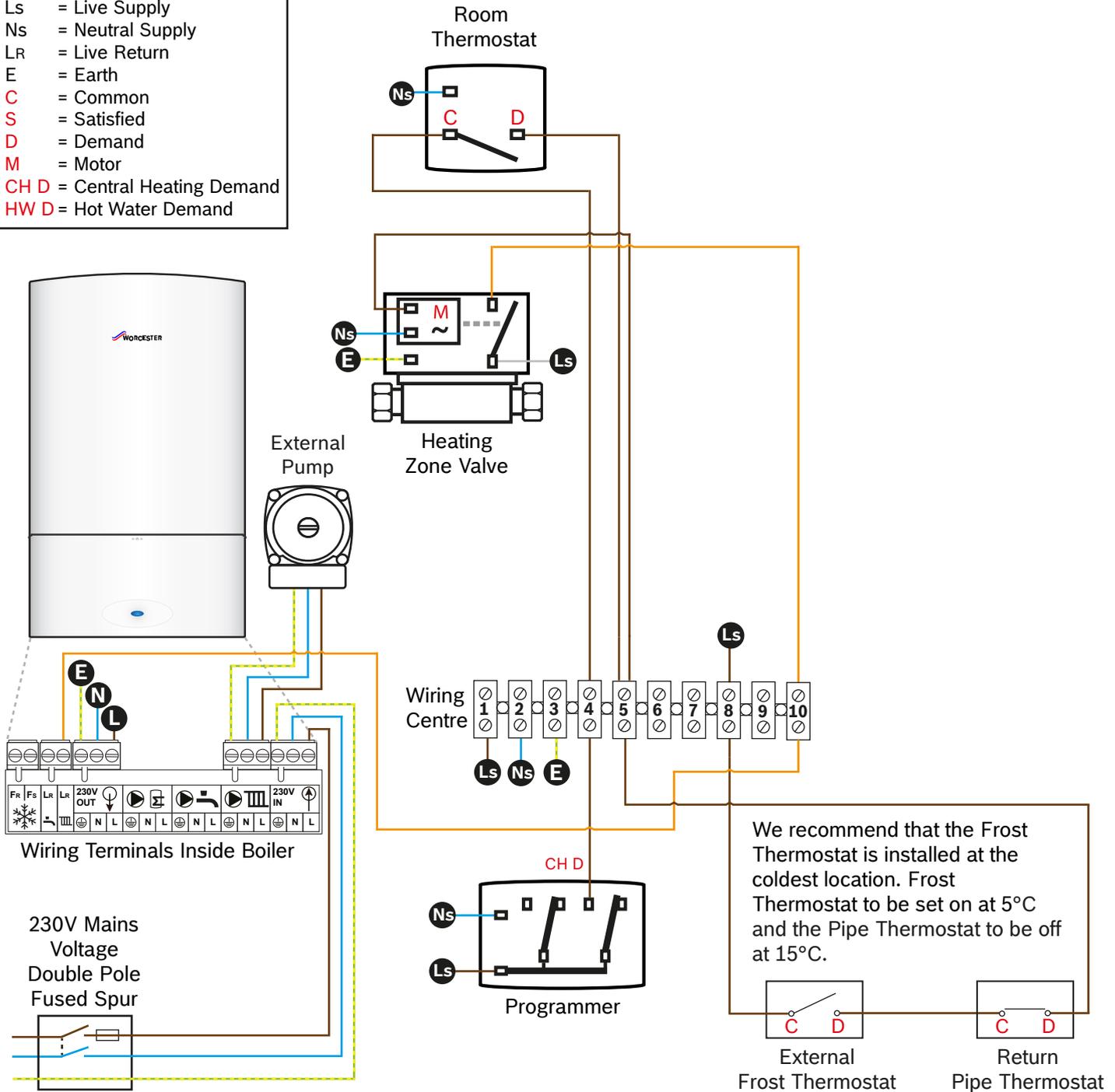


 The following labels and those like them are used to denote generic connections (such as the live supply to components) in order to simplify the diagram:

L LIVE **N** NEUTRAL **E** EARTH

Legend:

- Lz = Pump Live
- Nz = Pump Neutral
- Ls = Live Supply
- Ns = Neutral Supply
- LR = Live Return
- E = Earth
- C = Common
- S = Satisfied
- D = Demand
- M = Motor
- CH D = Central Heating Demand
- HW D = Hot Water Demand



We recommend that the Frost Thermostat is installed at the coldest location. Frost Thermostat to be set on at 5°C and the Pipe Thermostat to be off at 15°C.

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2 Heating Zones

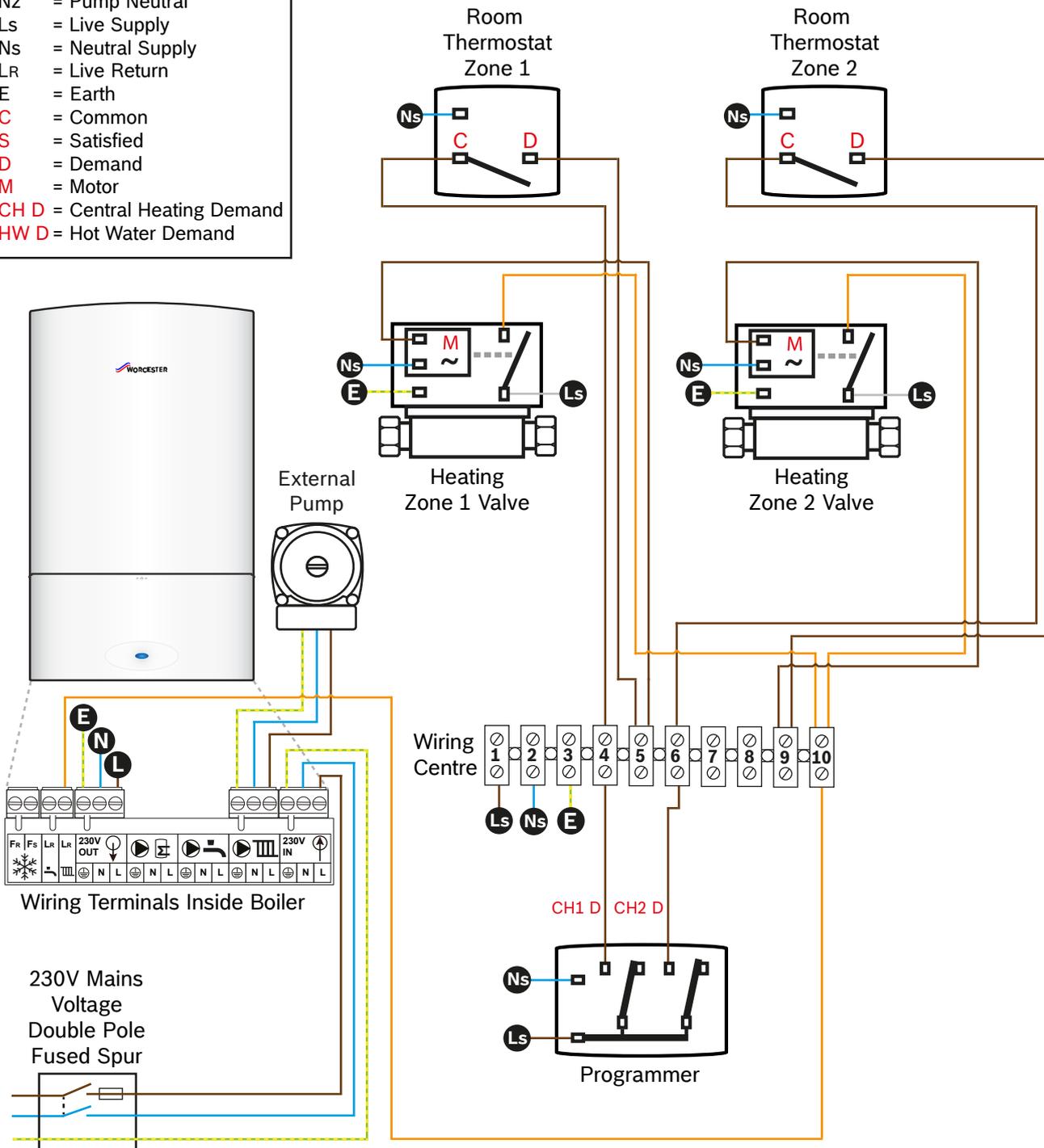
2H-R-E

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Legend:

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- D = Demand
- M = Motor
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- HW D = Hot Water Demand



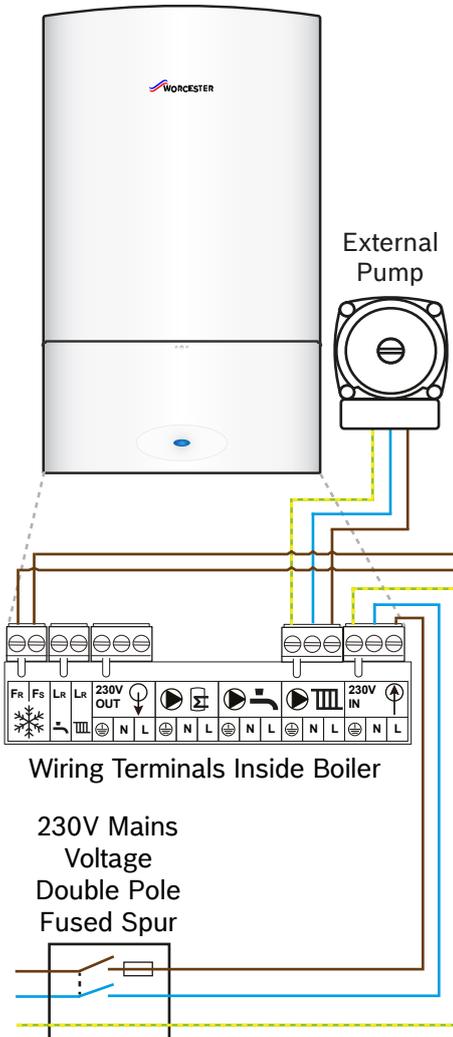
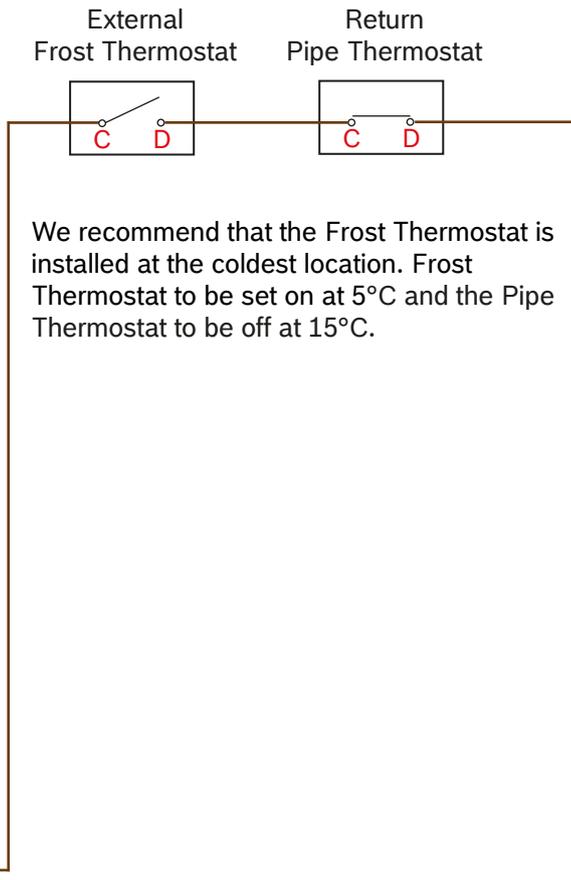
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L LIVE **N** NEUTRAL **E** EARTH

Legend:

- L = Live Supply
- N = Neutral Supply
- LR = Live Return
- FR = Frost Return
- FS = Frost Supply
- E = Earth
- C = Common
- S = Satisfied
- D = Demand
- M = Motor
- CH D = Central Heating Demand
- HW D = Hot Water Demand



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Cascade boilers with Low Loss Header

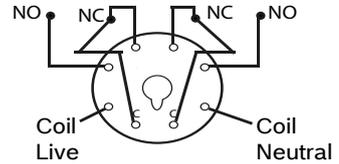
-----LLH

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L LIVE **N** NEUTRAL **E** EARTH

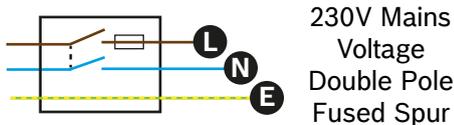
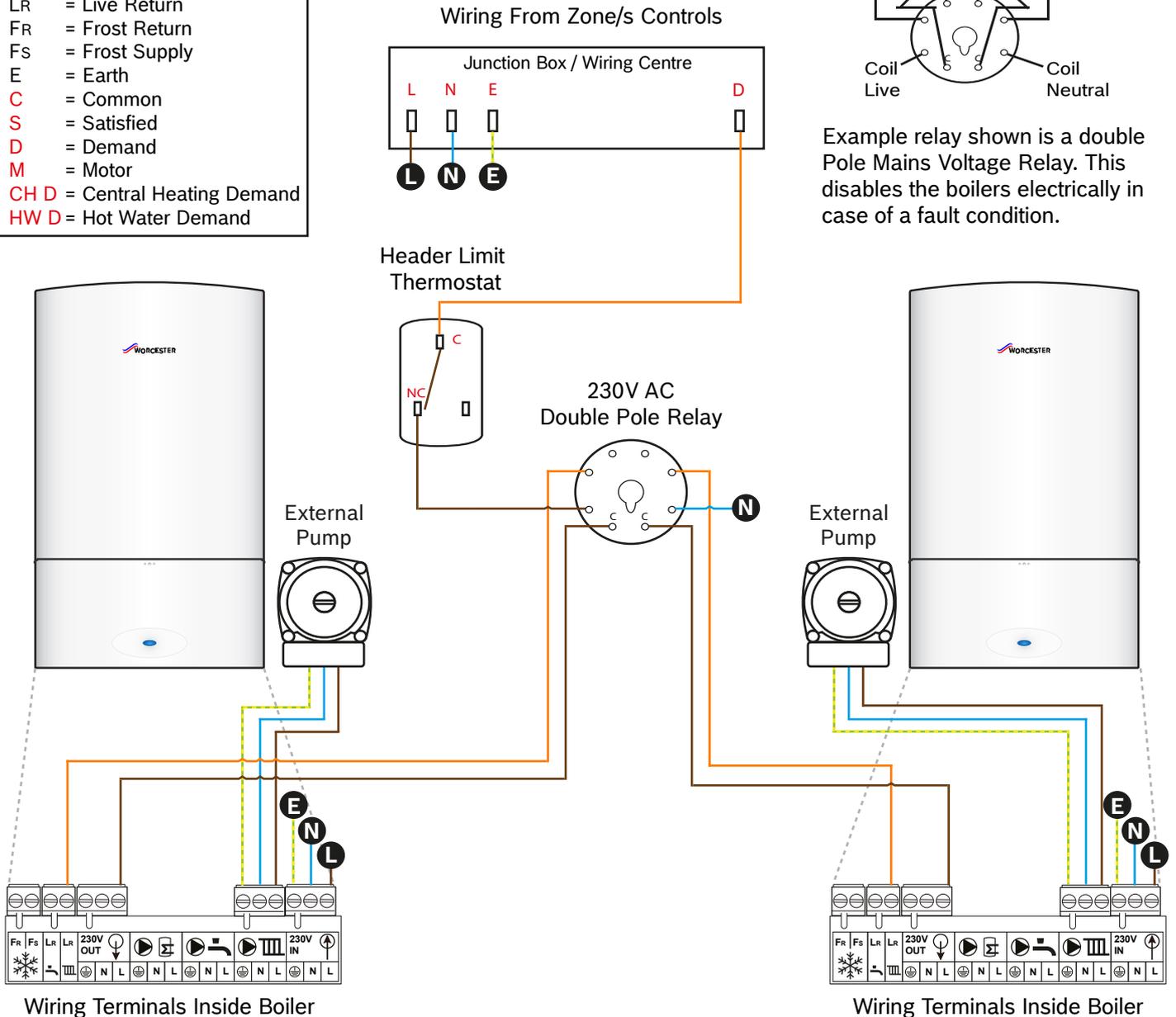
- Legend:**
- L = Live Supply
 - N = Neutral Supply
 - LR = Live Return
 - FR = Frost Return
 - FS = Frost Supply
 - E = Earth
 - C = Common
 - S = Satisfied
 - D = Demand
 - M = Motor
 - CH D = Central Heating Demand
 - HW D = Hot Water Demand

IMPORTANT NOTE:

The Relay should be mounted within a suitable electrically safe housing.



Example relay shown is a double Pole Mains Voltage Relay. This disables the boilers electrically in case of a fault condition.



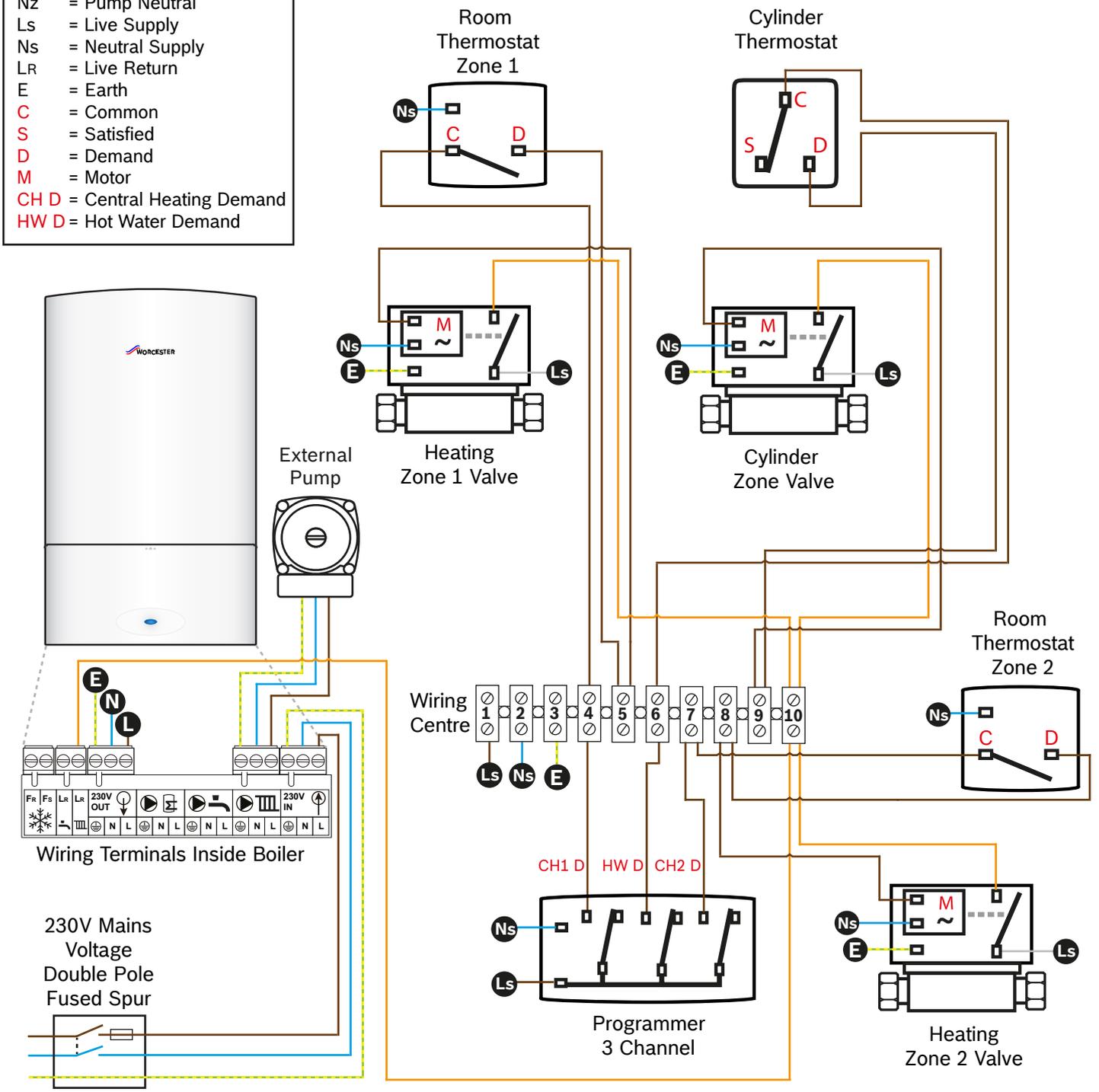
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Legend:

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 E = Earth
 C = Common
 S = Satisfied
 D = Demand
 M = Motor
 CH D = Central Heating Demand
 HW D = Hot Water Demand



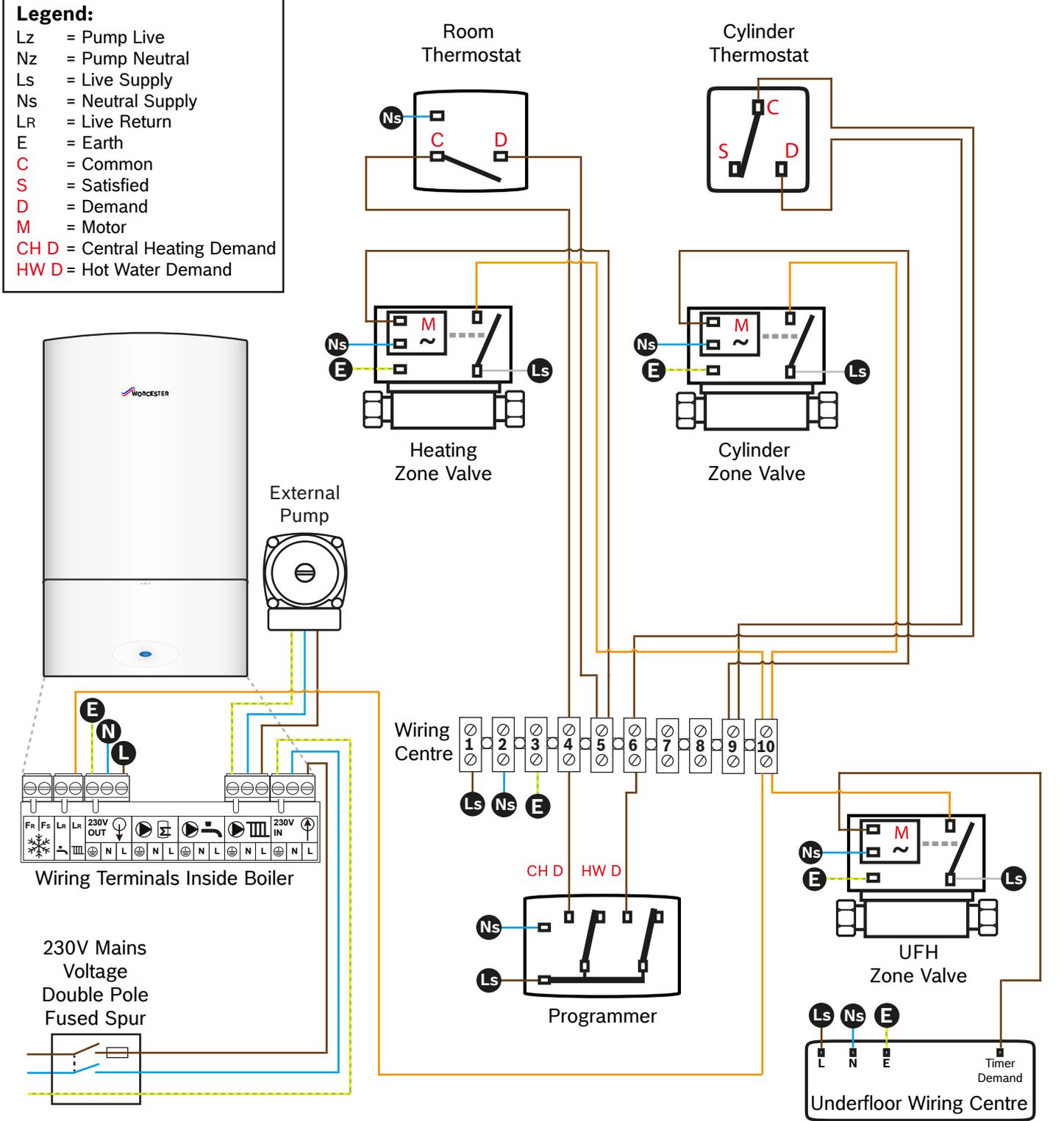
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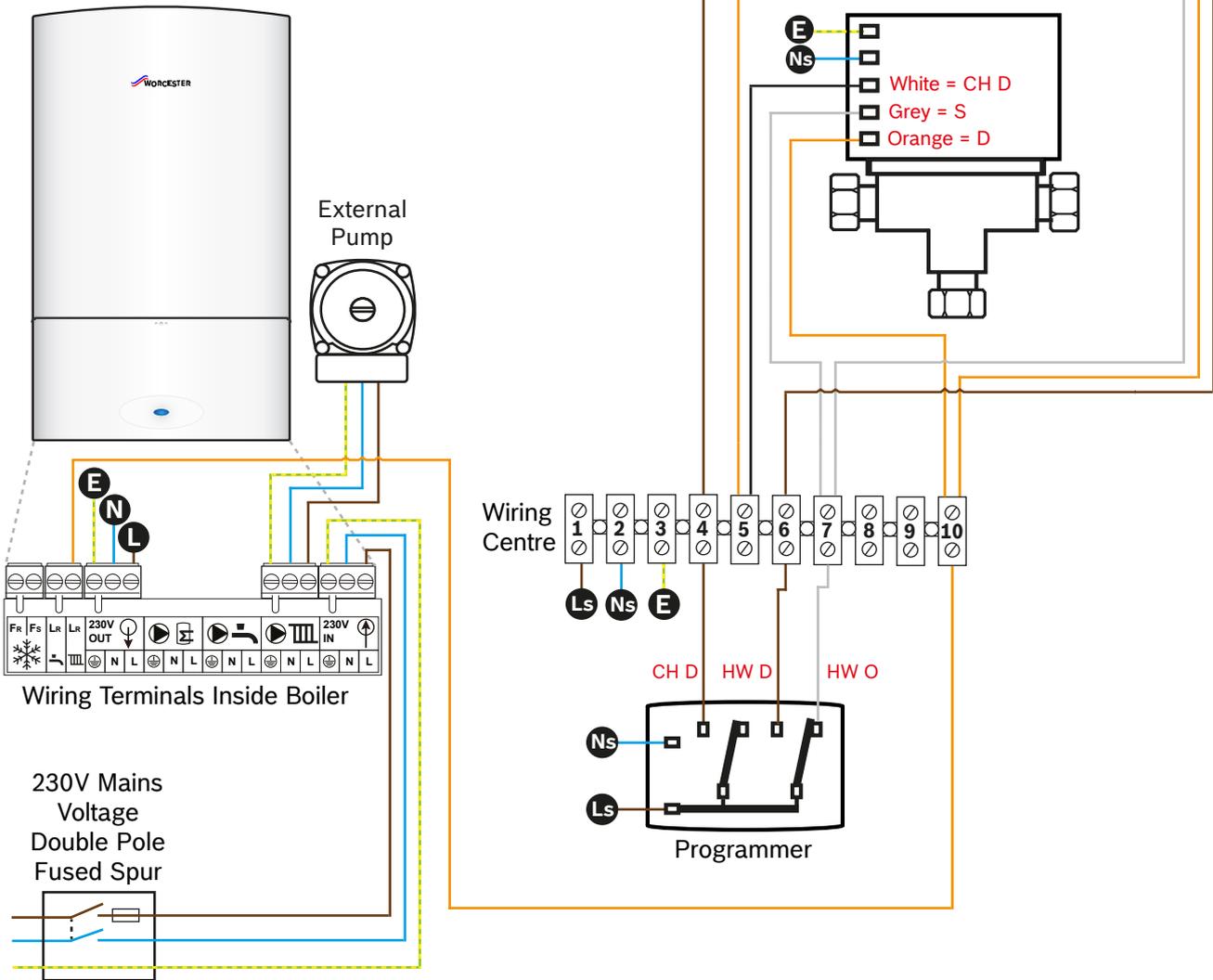
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- Ns = Neutral Supply
- LR = Live Return
- E = Earth
- C = Common
- S = Satisfied
- D = Demand
- M = Motor
- CH D = Central Heating Demand
- HW D = Hot Water Demand
- HW O = Hot Water Off



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