

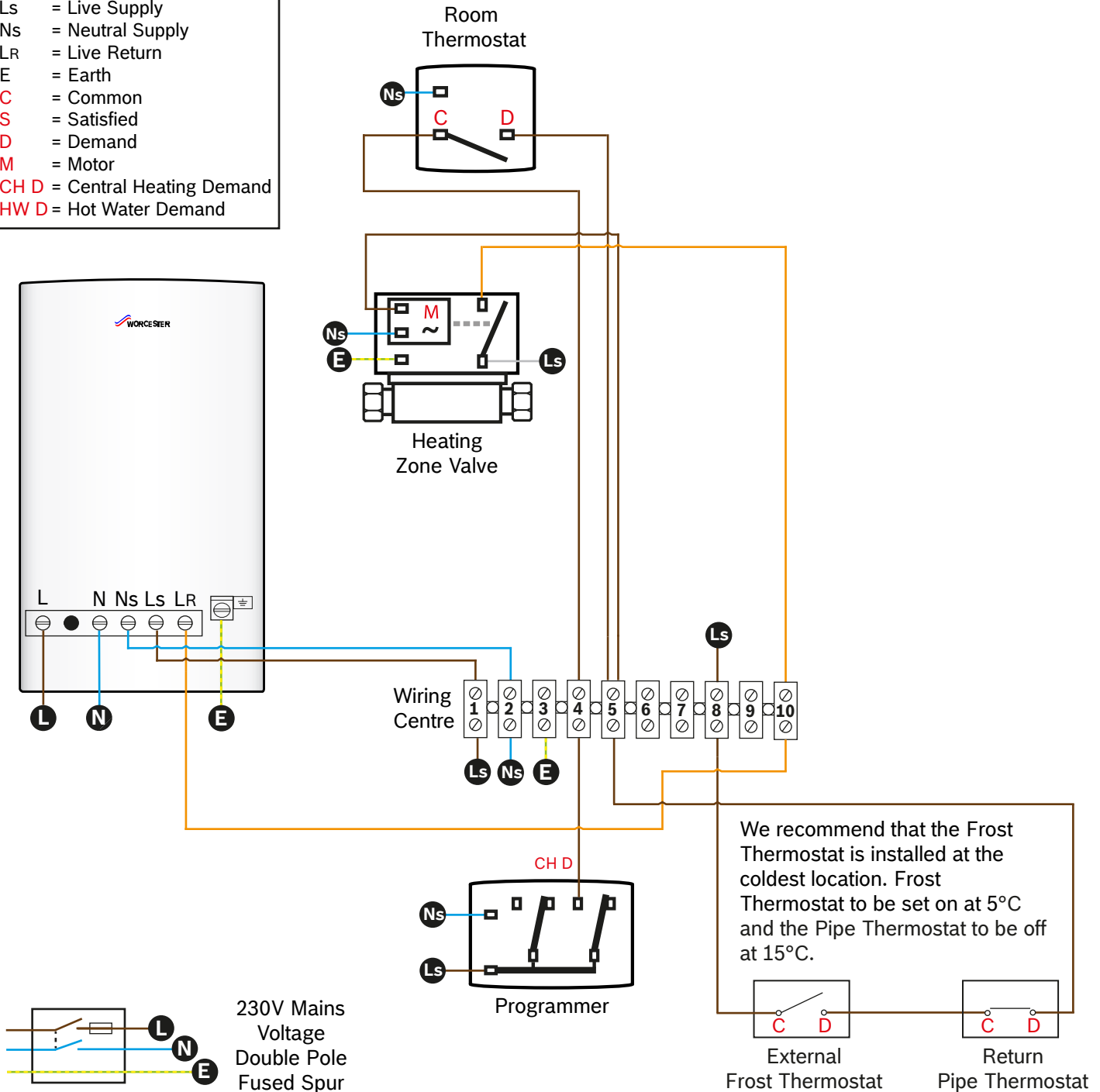


The following labels and those like them are used to denote generic connections (such as the live supply to components) in order to simplify the diagram:

**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



All electrical work should be carried out by a registered engineer. Wiring must comply with the latest IET wiring regulations.

Isolate the mains electricity supply before starting any work and observe all relevant safety precautions. Refer to all relevant product installation manuals for safety and installation instructions.

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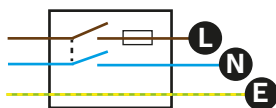
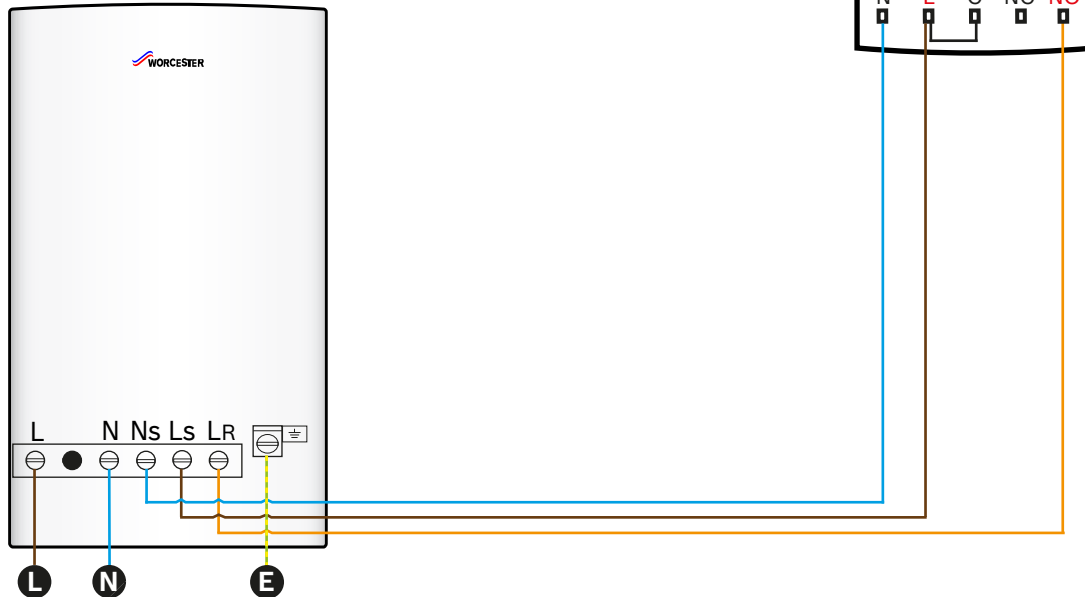
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### Programmable Thermostat

The Link between the live (L) and common (C) may already be fitted as part of the programmable thermostat, if not then a link must be wired in.



230V Mains  
Voltage  
Double Pole  
Fused Spur

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## 2 Heating Zones

## 2H-R-E

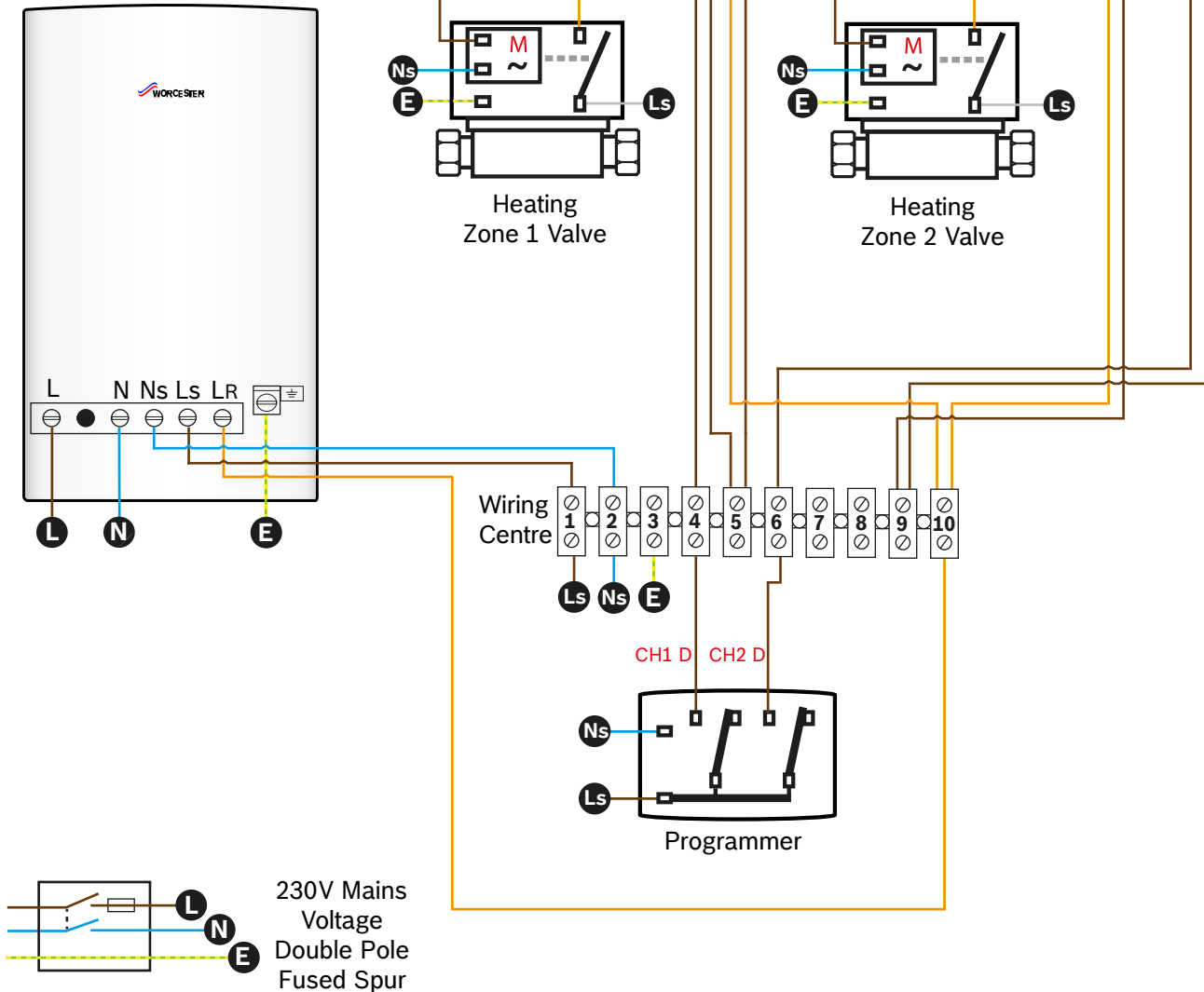


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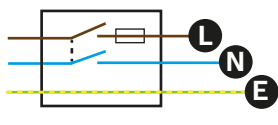
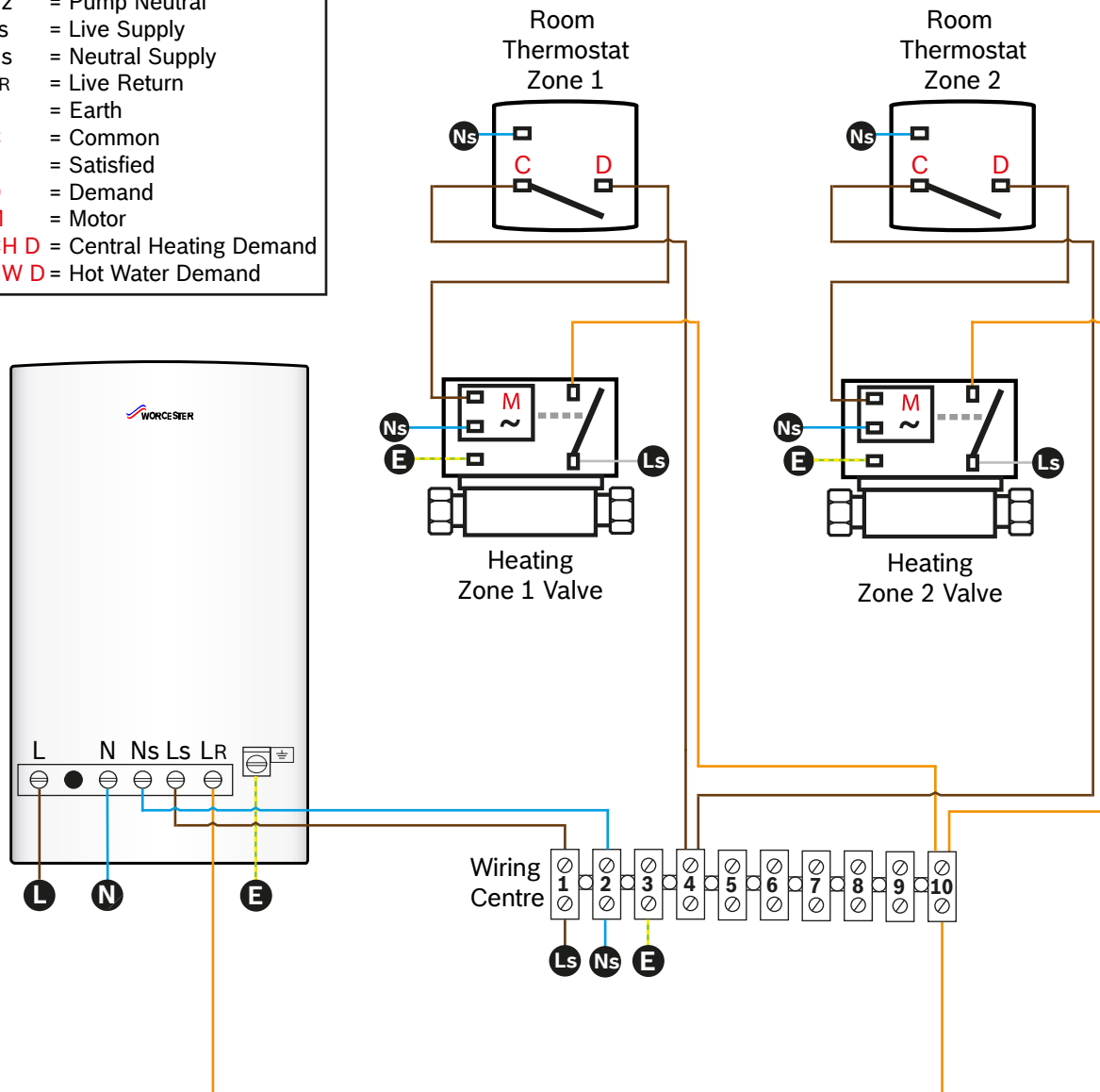


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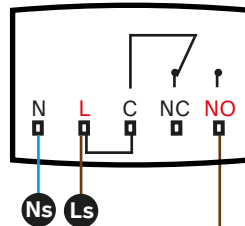
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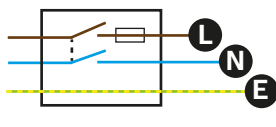
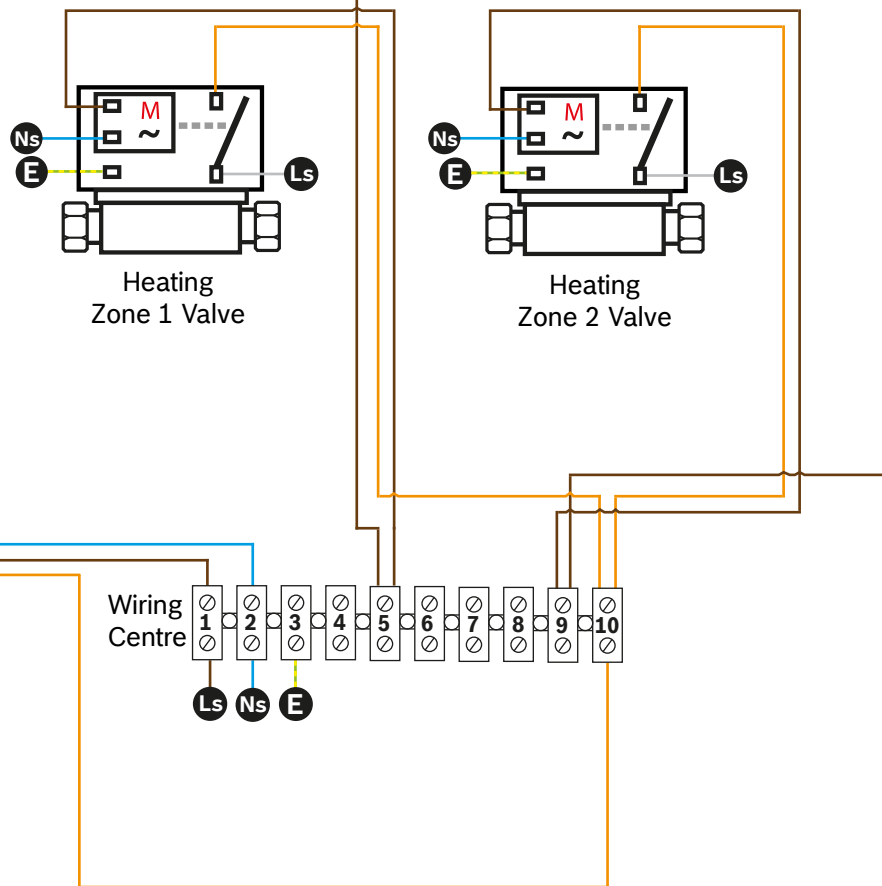
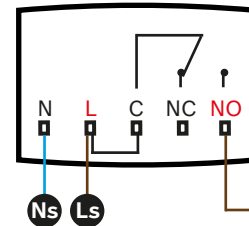
### Programmable Thermostat

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Room  
Thermostat 1



Room  
Thermostat 2



230V Mains  
Voltage  
Double Pole  
Fused Spur

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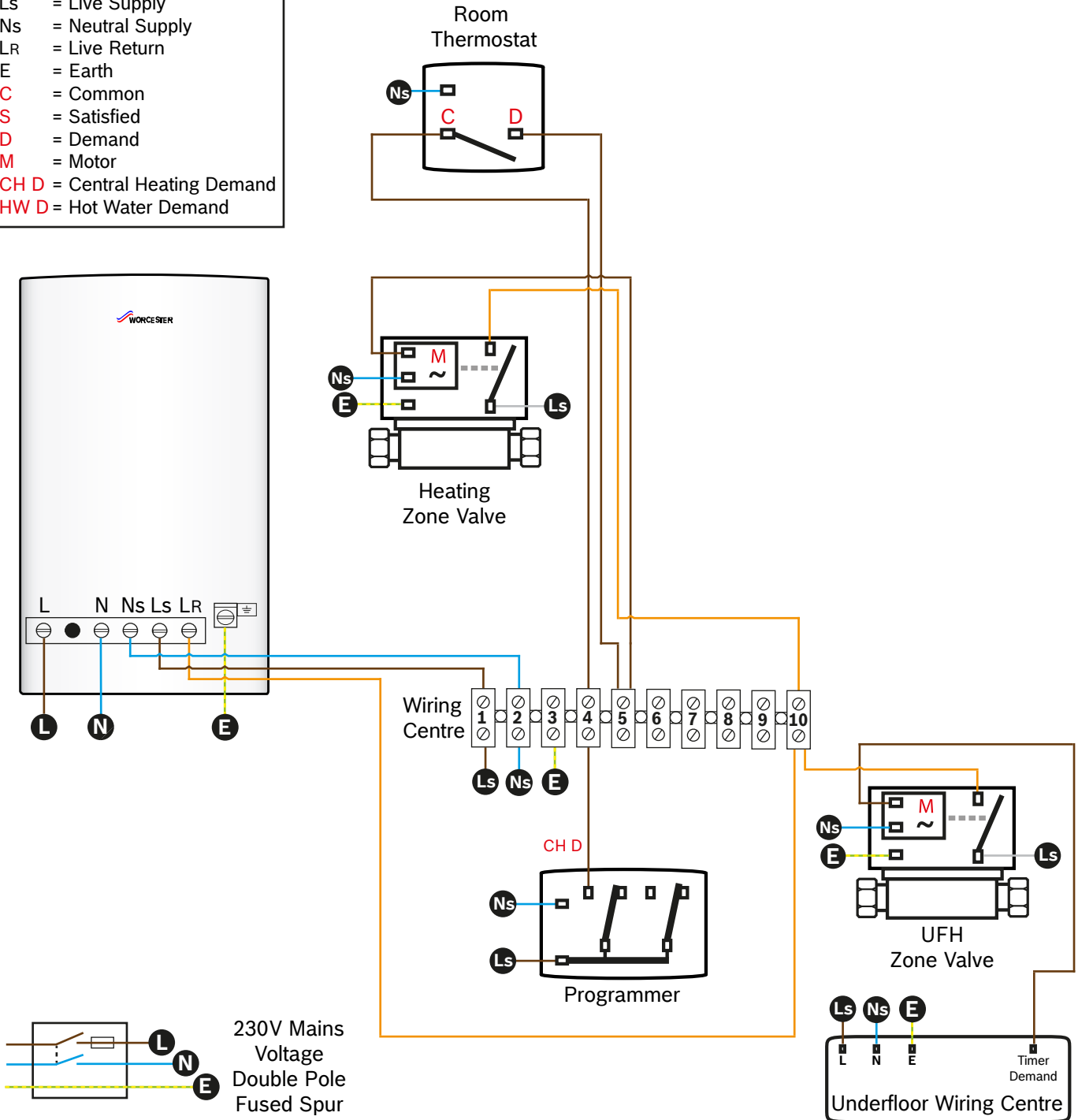


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## Frost Protection (to System Bypass)

-----FB

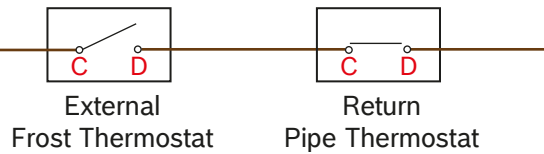
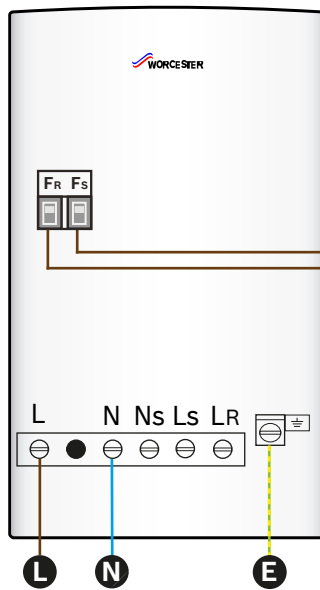


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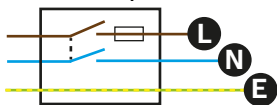
### Legend:

**Lz** = Pump Live  
**Nz** = Pump Neutral  
**Ls** = Live Supply  
**Ns** = 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



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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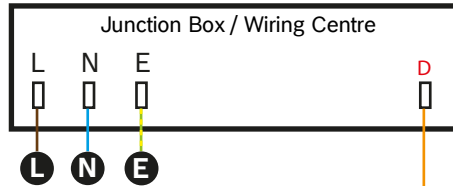
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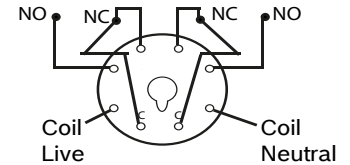
Lz = Pump Live  
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Ls = Live Supply  
Ns = Neutral Supply  
LR = Live Return  
E = Earth  
NO = Normally Open  
NC = Normally Closed  
C = Common  
S = Satisfied  
D = Demand  
M = Motor  
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HW D = Hot Water Demand

### Wiring From Zone/s Controls

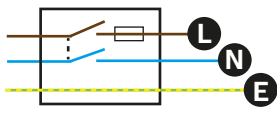
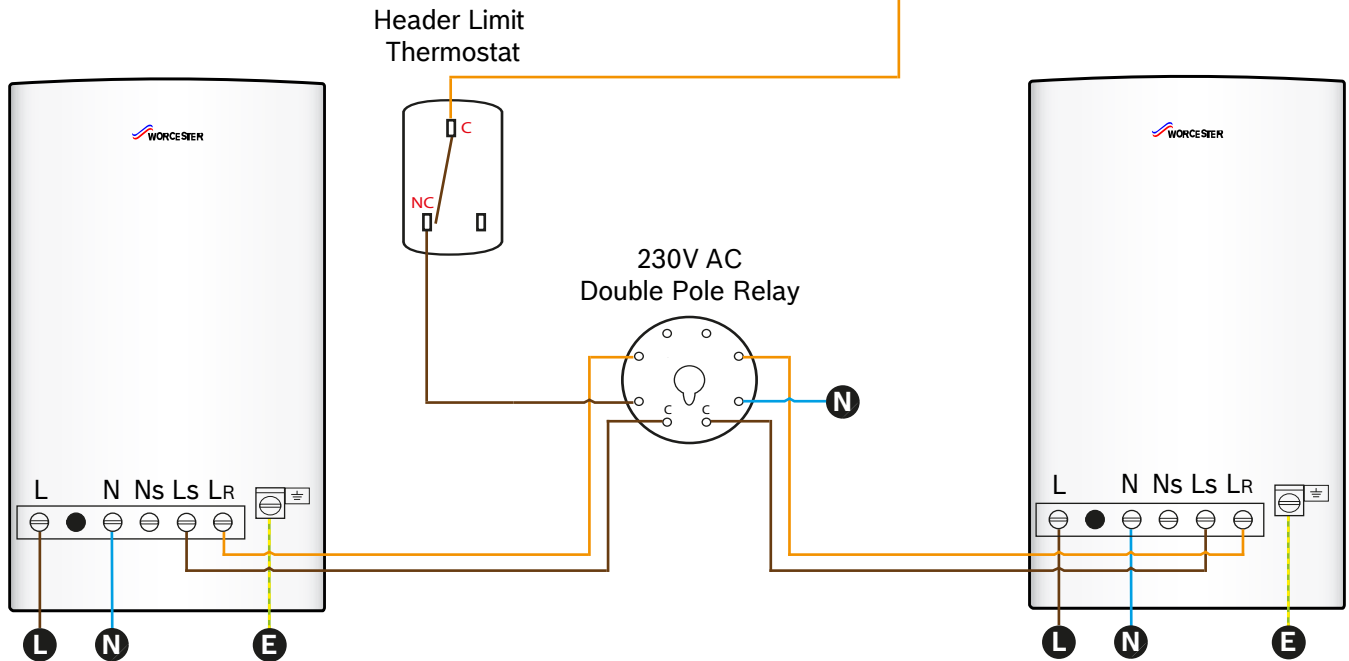


### IMPORTANT NOTE:

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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