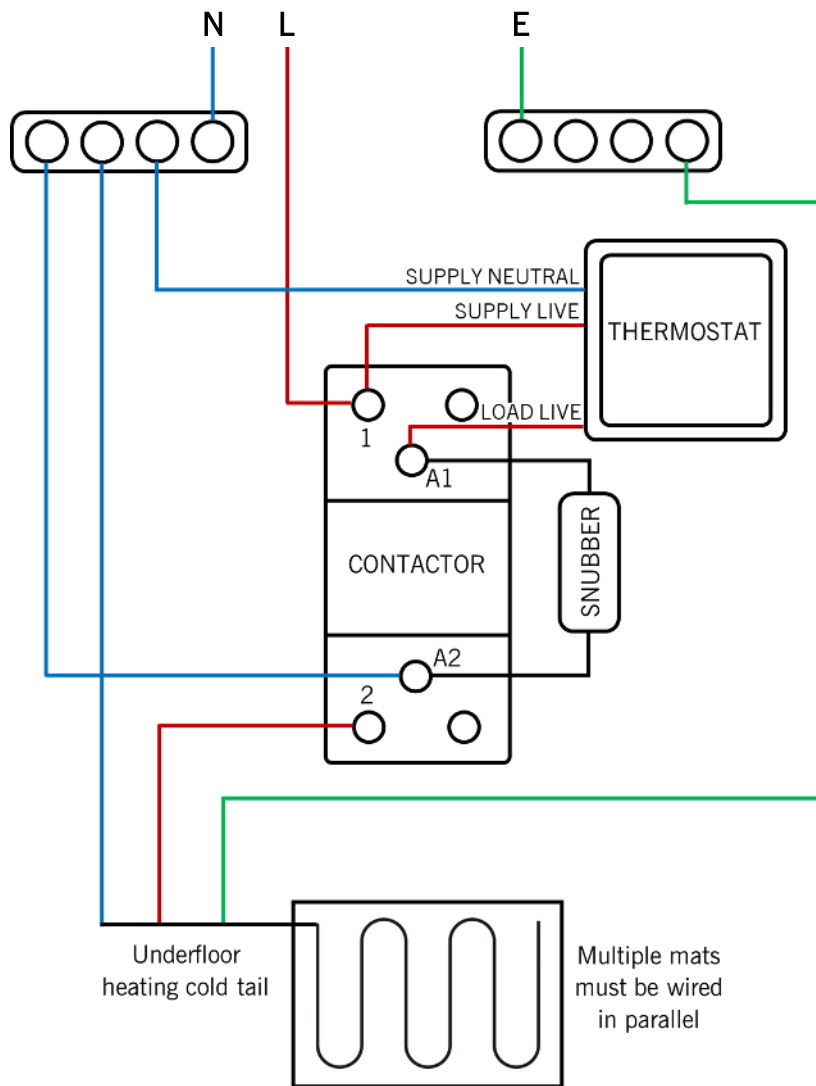


# Contactor Installation Guide



## Installation: Total Heating System Draw

Firstly, calculate the total load. The load in watts (W) of each heating mat/cable is shown on the factory test certificate. To find the total load of your system use the calculations below:

Sum of individual heatmat loads = Total load (W)

Calculate the current draw in amps (A) by dividing the total load (W) by the working voltage

$$\frac{\text{Total load (W)}}{240 \text{ (V)}} = \text{Total current draw in amps (A)}$$

## Operation: Heatmat Control Ratings

Thermotouch controllers have a maximum current draw rating of 16A.

If the total current draw exceeds 16A and the system must be controlled by a single thermostat, a contactor/snubber must be used in addition to the thermostat. The rating of the contactor/snubber must always exceed the total current draw of the system.