

Contactor Connection Diagram for DEVIreg™ Touch Thermostat

The DEVIreg™ Touch Thermostats have a limited switching capacity. Contactors are required whenever the heating load exceeds 12 Amps (75% of the rated capacity of 16 A).

When wiring to a contactor, the **Active** output of the thermostat ("L Load" terminal), is used to energise the coil on the contactor through "A2" terminal and the **Neutral** output of the thermostat ("N Load" terminal) is used to energise the coil on the contactor through "A1" terminal.

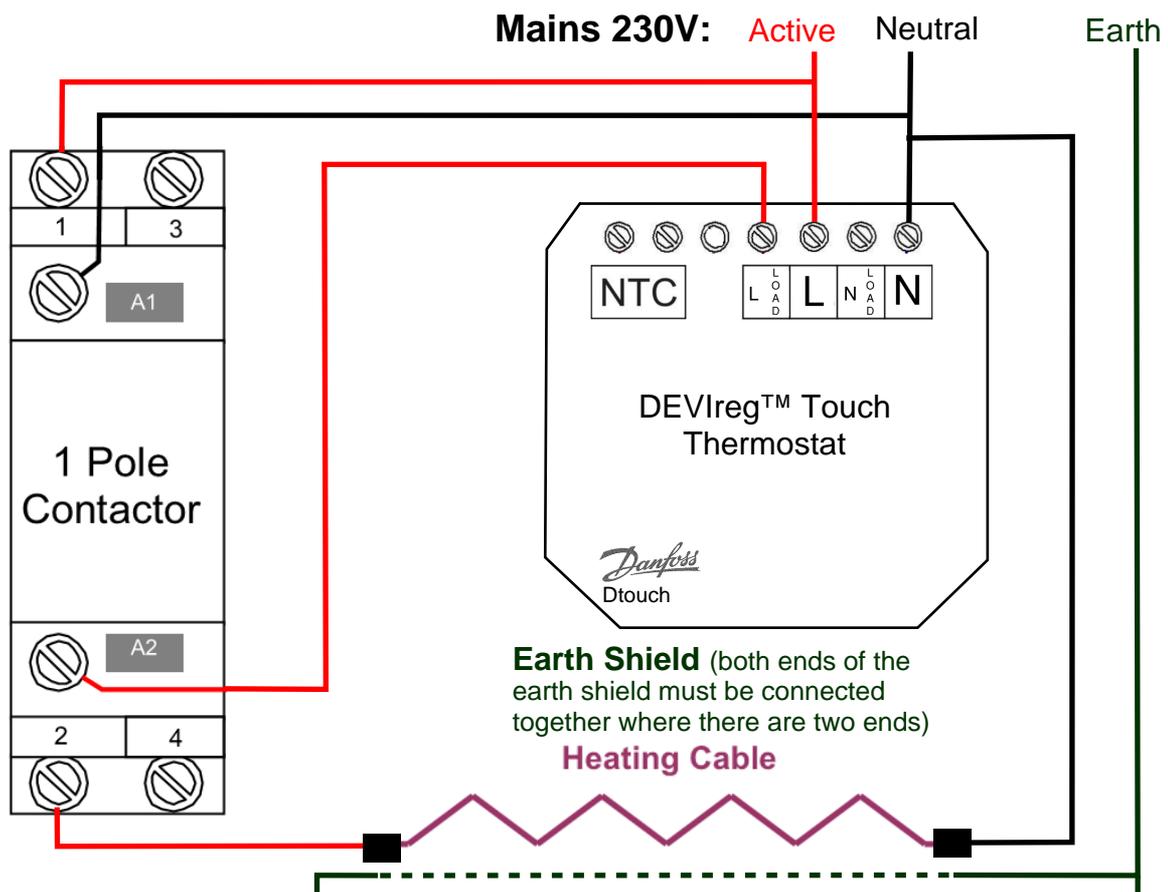
The **Active** feed from the Mains power is switched through the contactor input on terminal "1" and the **Active** feed from the contactor to the **Heating Cable** is output from terminal "2" of the contactor.

For a multi-pole contactor, multiple **Active** feeds from the Mains power are switched through the contactor at terminals 1, 3 & 5 etc, with the **Active** feeds from the contactor to the **Heating Cables** output from terminals 2, 4 & 6 of the contactor respectively.

A multi-pole contactor is required where there are multiple heating cables to be switched from the one thermostat *i.e.* 1 zone but more than 1 heating cable. Ensure that the number of heater cables connected to any one terminal does not exceed the current rating of the contactor. For example: If five heaters at 4,700W each are to be connected to a 3 pole 63A contactor, two heaters can be on two poles each and one on the other - NOT three on one pole and one on each of the another poles.

The **Neutral** load does not require to be returned through the thermostat. Simply join to the **Neutral** feed from the Mains power - as shown in the diagram below.

The **Earth** braid of the heating cable (both ends where it is a two cold tail heating cable) is simply joined to the **Earth** feed from the Mains power - as shown in the diagram below.



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