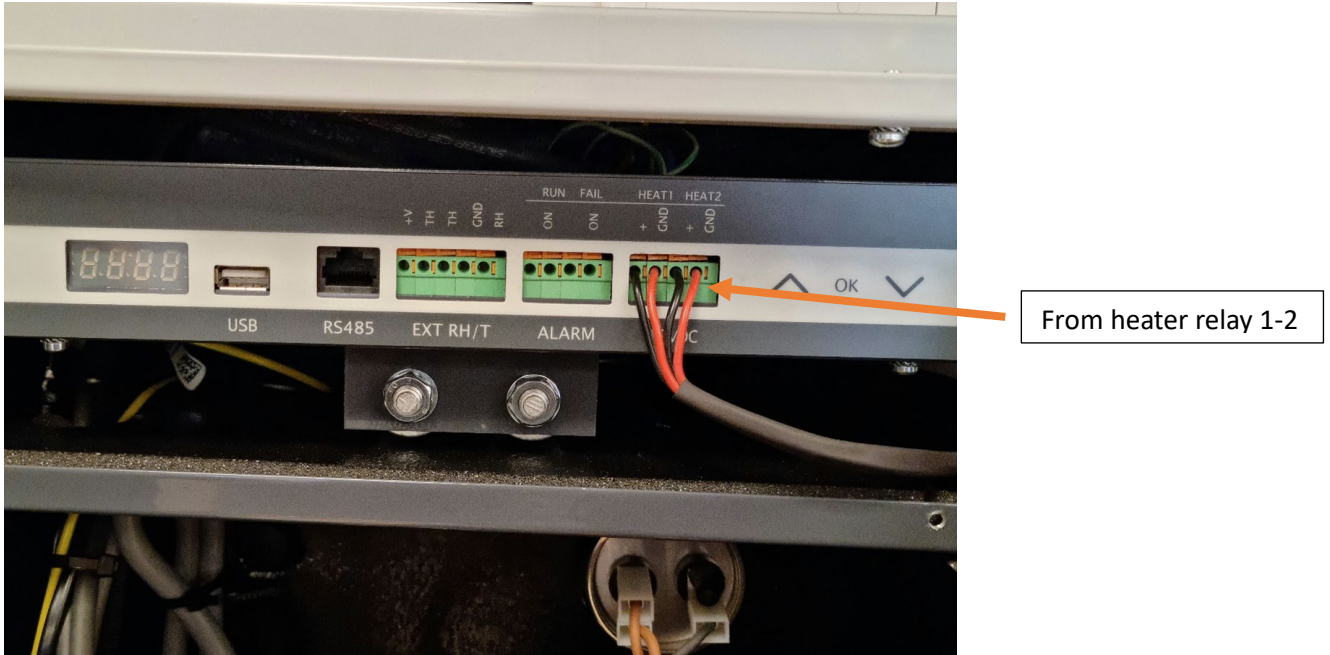


Electrical heating coil for CDF/CDP/CDP-T dehumidifier

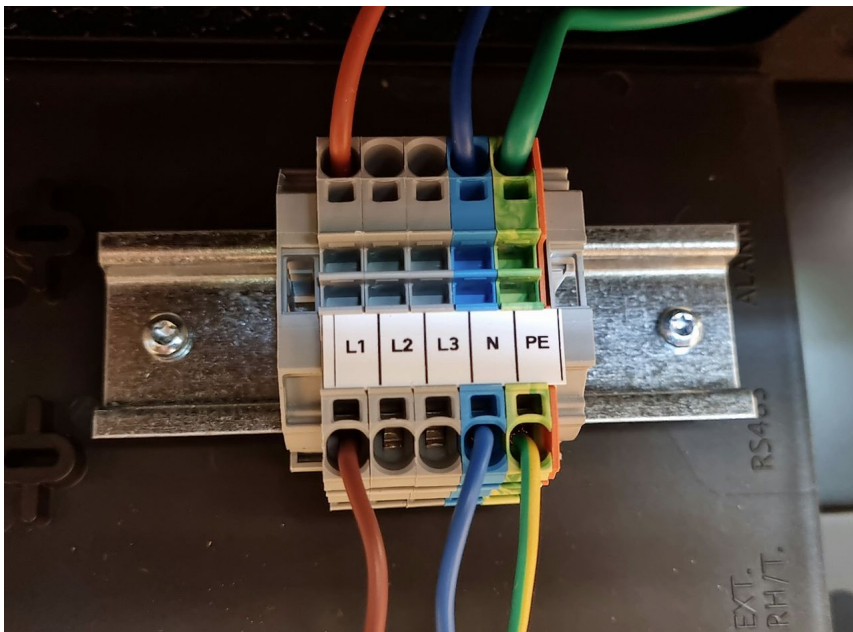
Dantherm CDF/CDP/CDP-T *step-by-step electrical heating coil installation guide*

(Please use together with instruction: CDF_CDP(T)_40_50_70_EIHeating_INSTR_all-in-one_1.2_094790)

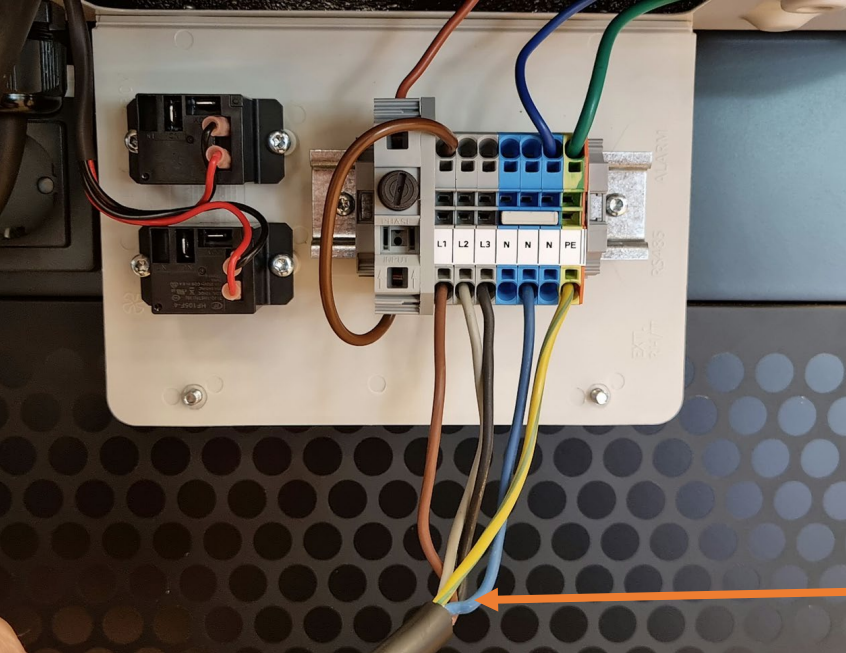
First step is to make the connection at the control panel.



The power connection on the CDP/CDF should look like this (230V) before heating coil connection:

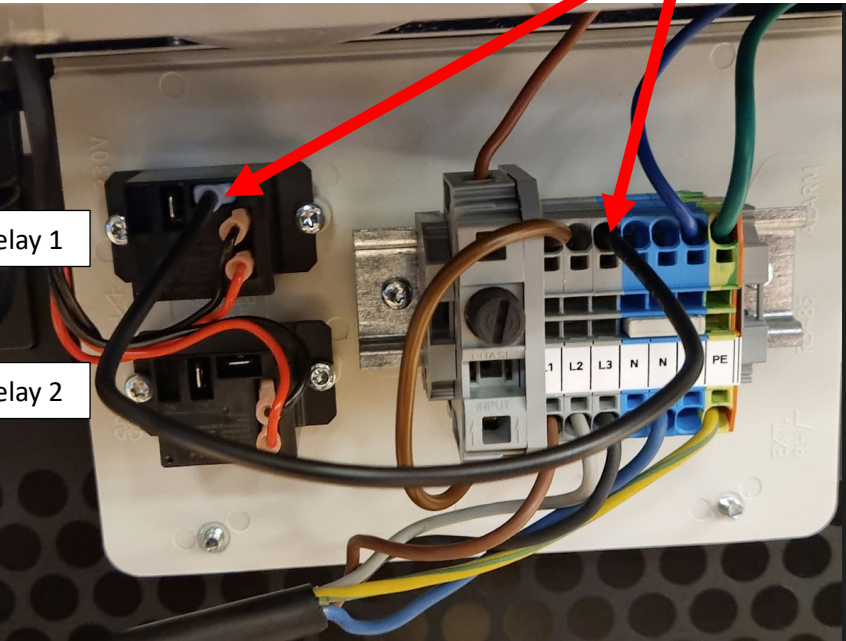


The connection step 2 with Electric heating coil (3x400V)



3x400 +N +PE
Power supply

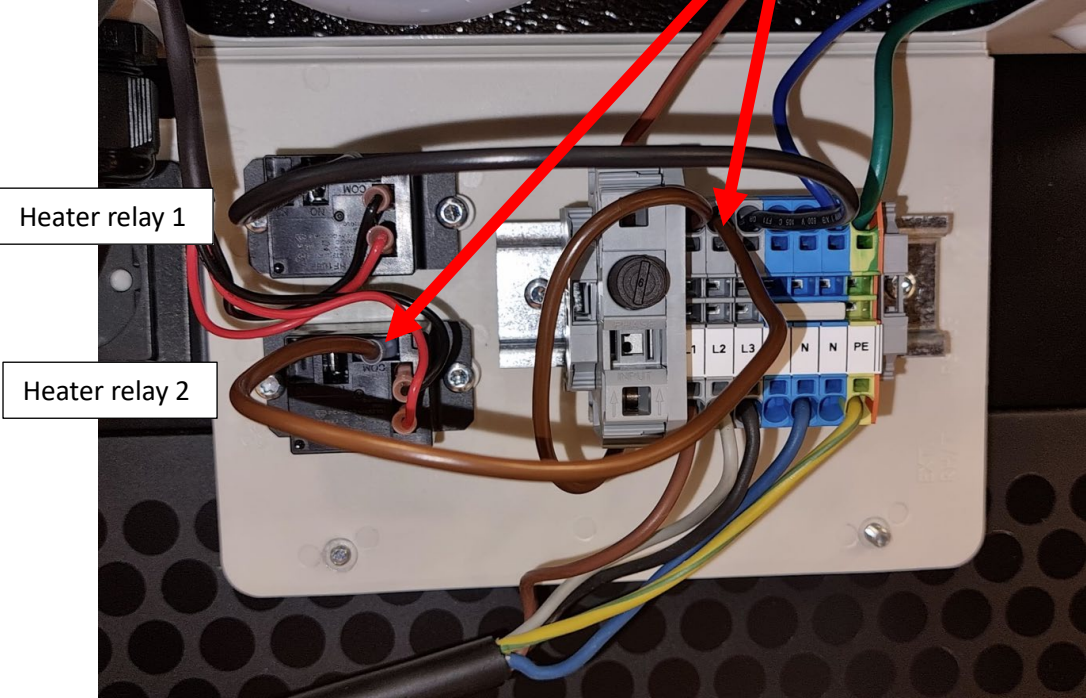
The Relay 1 power connection. Connect Heat relay 1 to L3 phase.



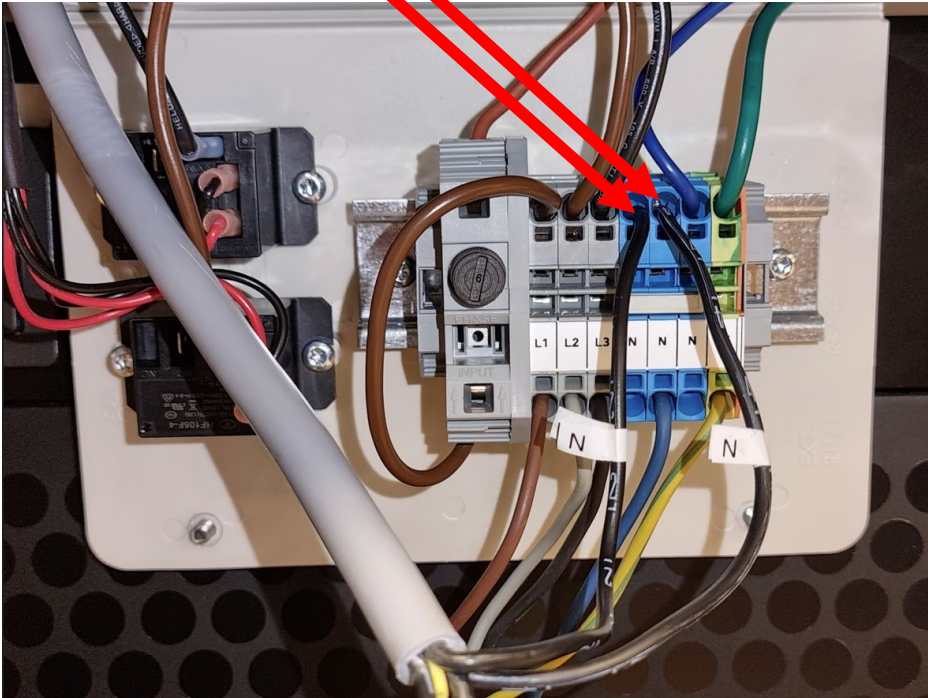
Heater relay 1

Heater relay 2

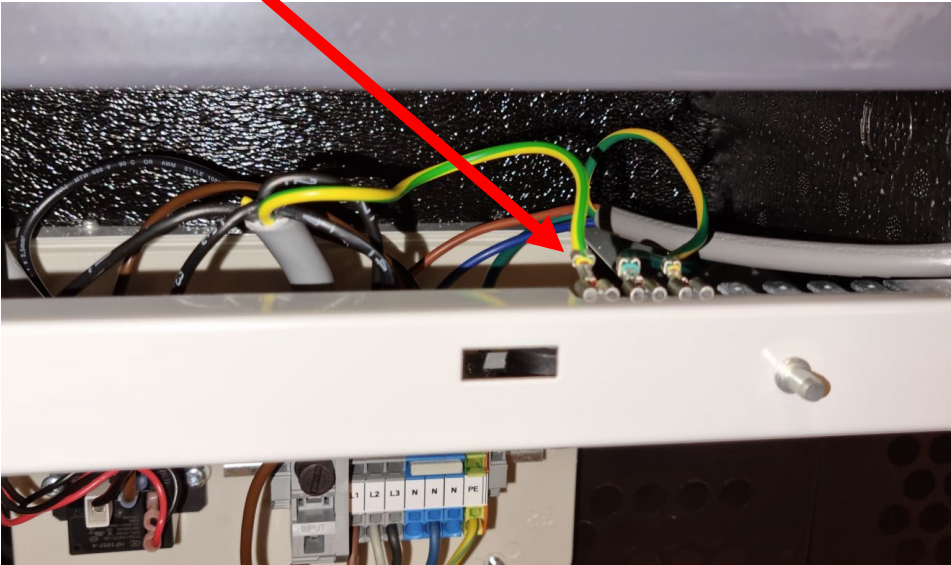
The **Relay 2** power connection. Connect Heat relay 2 to L2 phase.



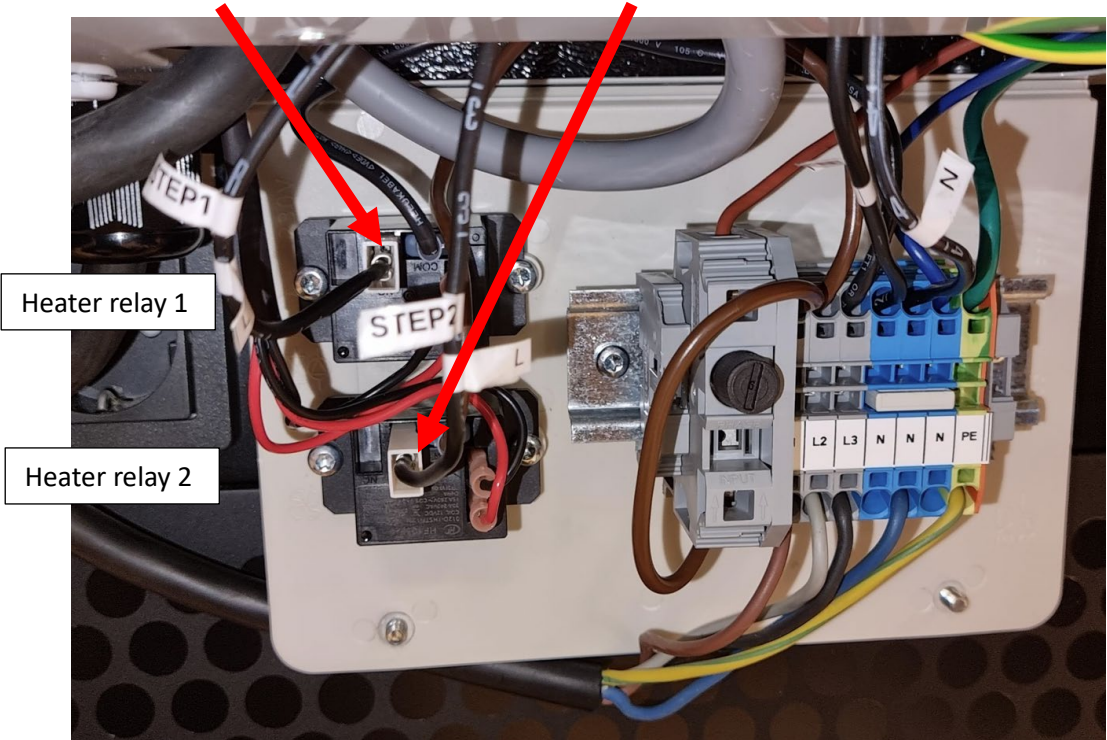
2 x Neutral connection from heater shall be connected to N.



The Ground connection

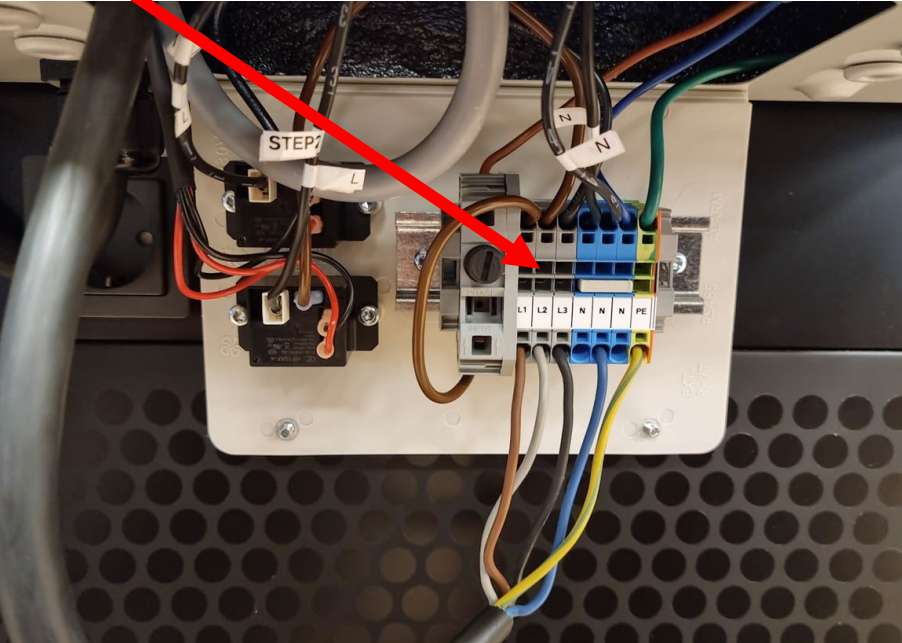


Connect "Step1" wire from heater to relay 1 and "Step2" wire from heater to relay 2



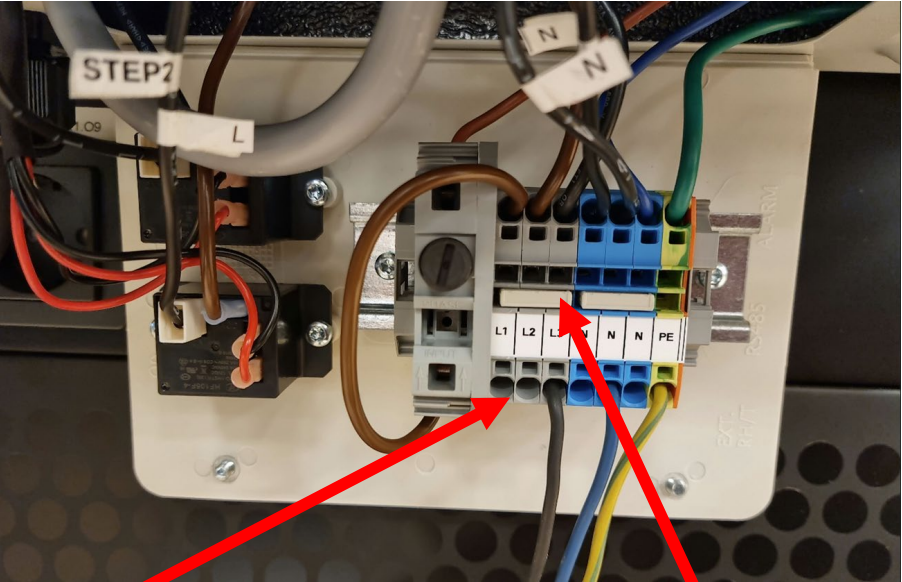
3x400V connection (final stage):

The **Bridge** must **not** be connected when connected to 3x400V.



230V heating coil connection (final stage):

The same process as above with the following differences.



The **L1 + L2** are **NOT** to be connected The **Bridge** should be connected as shown

	Heating Coil		Total max. load	
	Power	Current	230 VAC	3x 400 VAC
Electrical heater for CDF/CDP/CDP-T 40	2 kW	8,7 A	16,2 A	7,5 A*
Electrical heater for CDF/CDP/CDP-T 50	3,5 kW	15,2 A	22,8 A	7,6 A*
Electrical heater for CDF/CDP/CDP-T 70	5 kW	21,8 A	29,3 A	10,9 A*

* Maximum current in one single phase

Check list for troubleshooting on CDP, CDF and/or CDP-T with heating coil

Please fill in the following and return this document to your distributor.

Unit type: _____

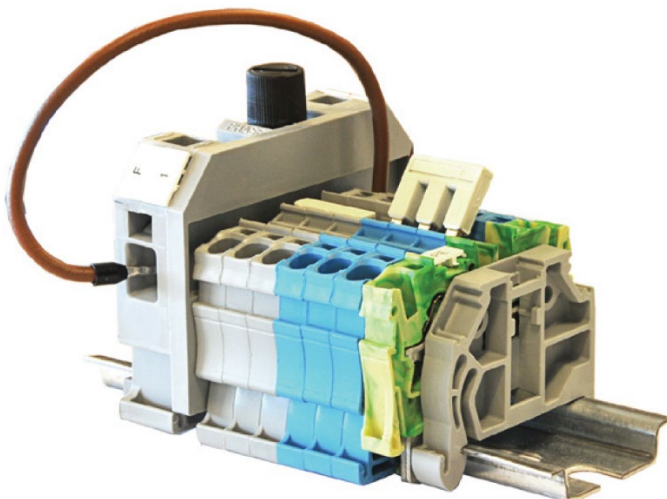
Serial number: _____

Please answer all the questions below so we can properly diagnose the issue.

1. If a fuse has burned/blown which one?
 - a. Fuse on the controller printable-circuit-board?
 - b. Fuse on the DIN rail (as seen on the picture below)?
 - c. Fuse on the main electrical switchboard (external)?

2. What is the rated maximum current of:
 - a. The fuse that burned/blew
 - b. The replacing fuse

3. Are the electrical connections made exactly like the diagram, shown on both the previous and on page 7 and/or 8?
Note that the 10A fuse, supplied with the electrical heater, is ONLY for the PCB power connection on the CDP, CDF, CDP-T unit and therefore not for the heating elements!

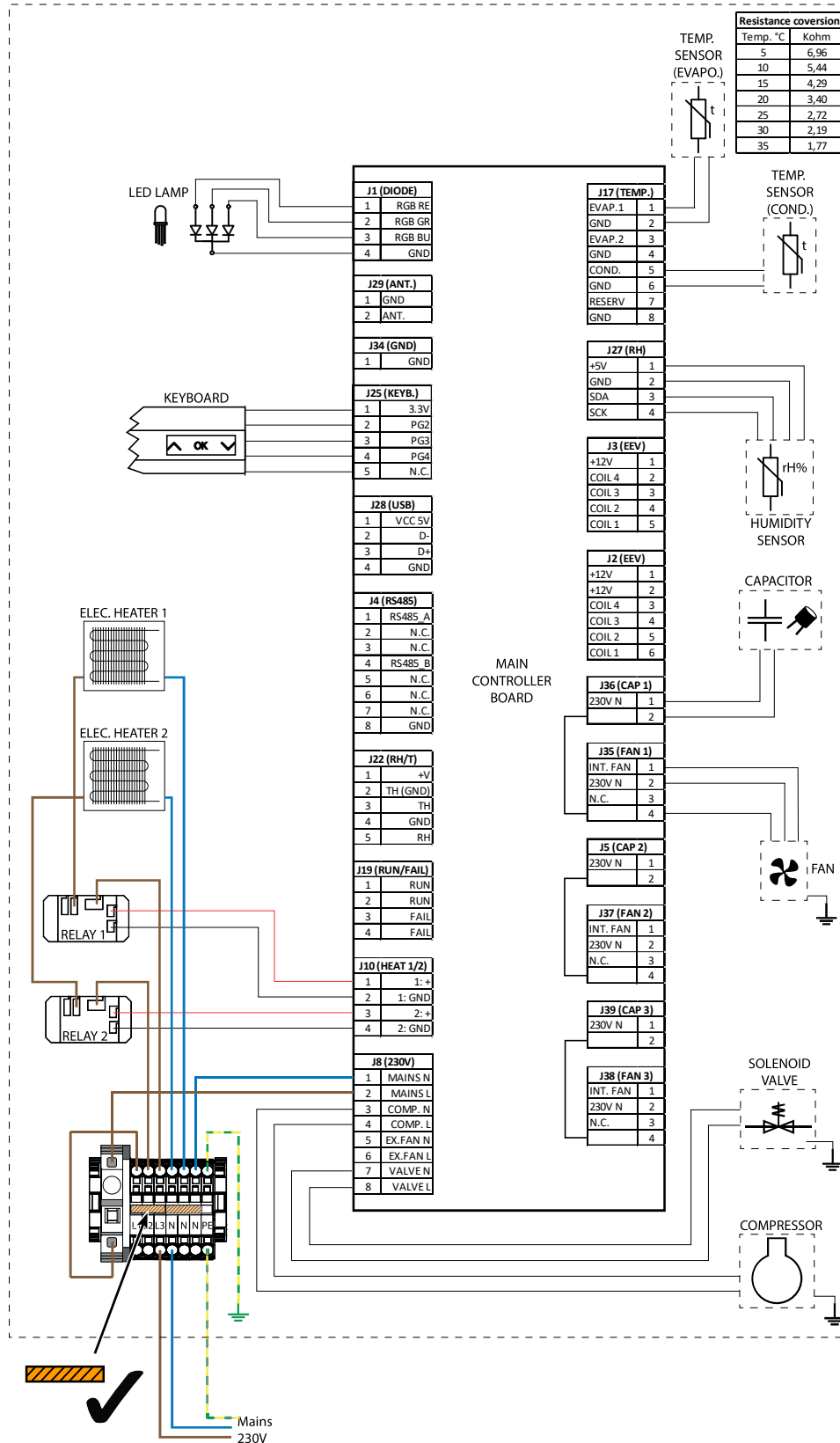


4. Is the bridge mounted in the blue terminals (see below)?

5. If the troubleshooting points above do not solve your issue, please supply images of the electrical installation of the DIN rail terminals, as shown in the pictures on the previous page.

6. Please measure supply voltage and current draw from the main electrical switchboard to the unit, both with and without the heating coil activated.

Wiring Diagram
(single phase)



**Wiring Diagram
(3 phase)**

