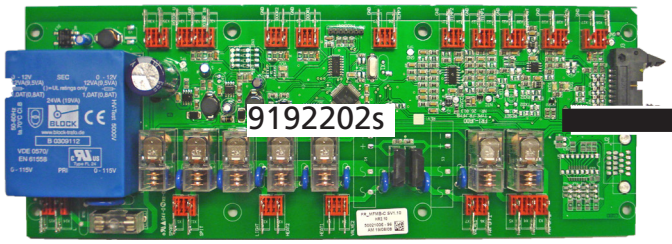
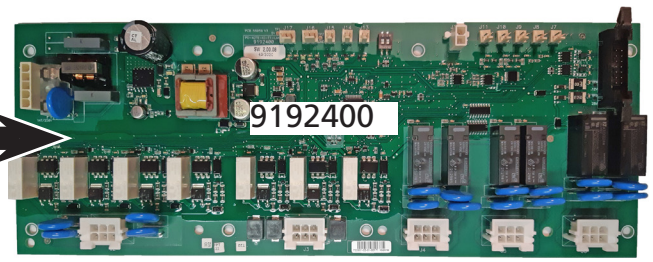
Conversion to new generation Power&I/O board in the TRC

The below 9192202s board is no longer deliverable. This because some components became obsolete

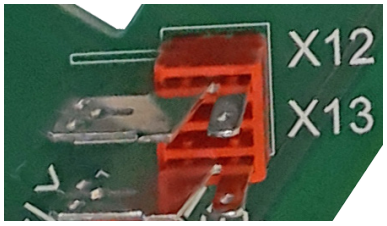
The below 9192400 board will replace it



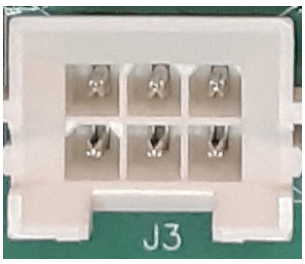


Old boards have spade terminals

New boards have multi pole sockets



"X" numbers to "J " numbers

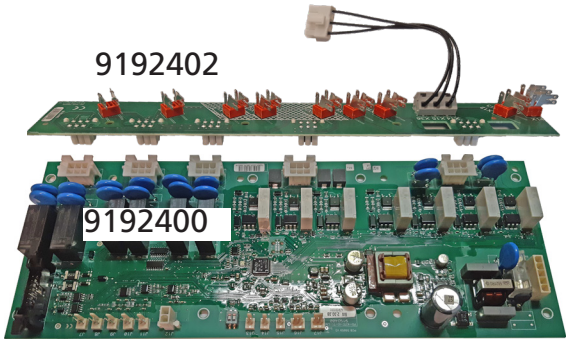


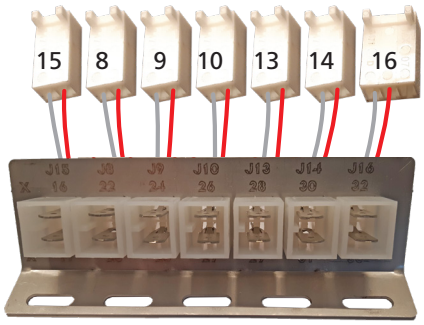
The kit comes with:

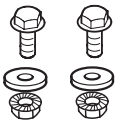
➔ An interface board 9192402 to convert the output wiring.

➔ A bracket with wiring to convert the input wiring.

➔ Mounting material.



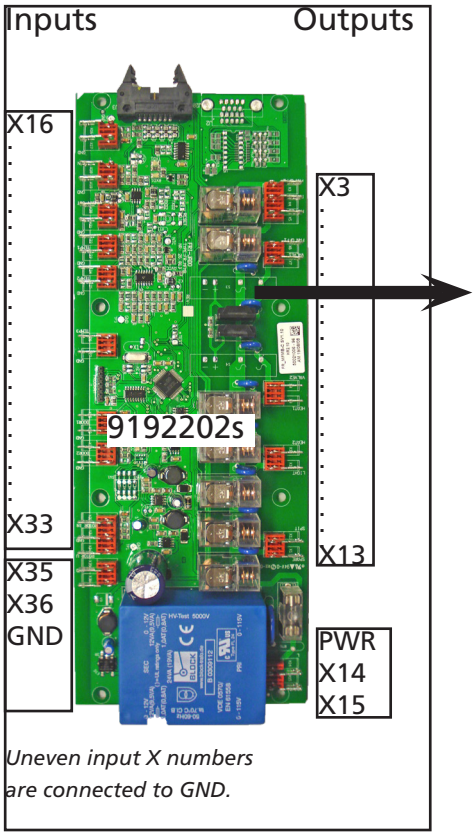




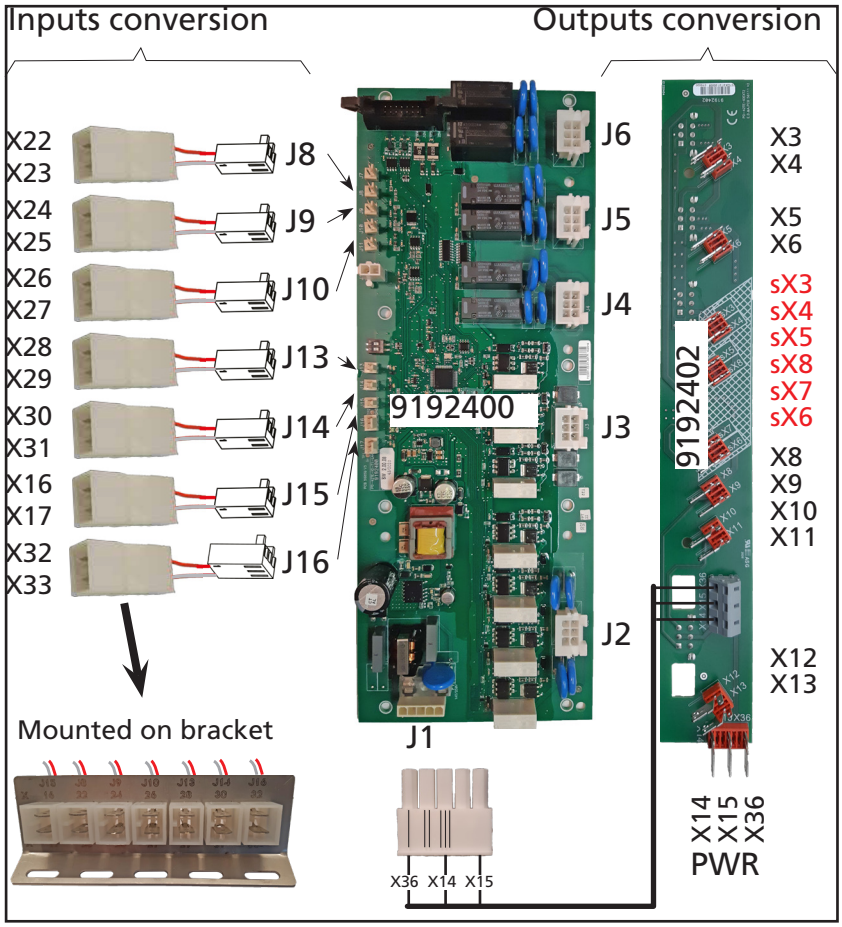
The principle

Inputs are signals like switches and sensors.
Outputs are power consumers like contactors, motors, lamps.

Old board connections.

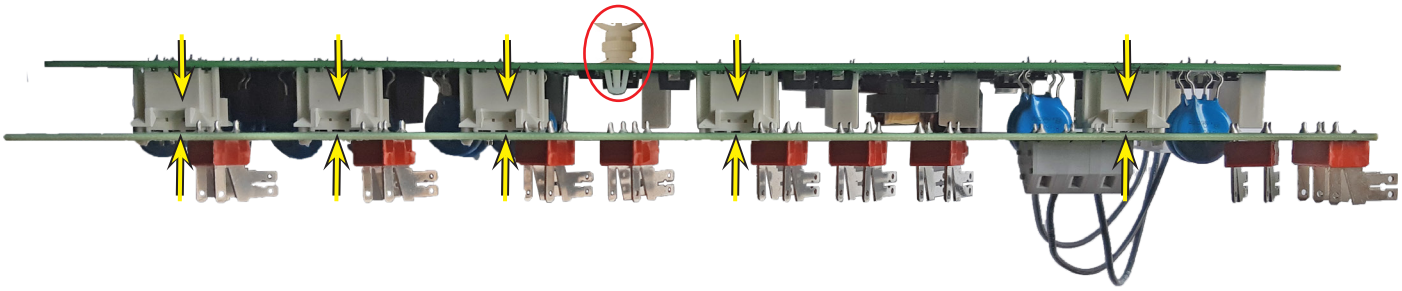


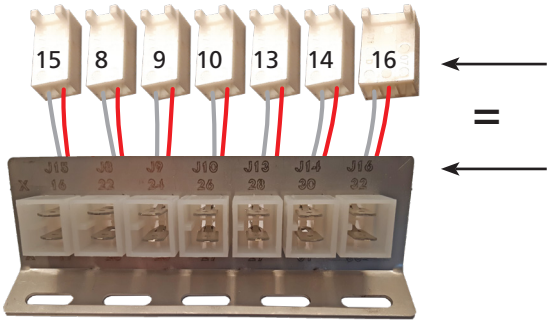
New board with conversion



Preparation

Note that the assembly of boards has one spacer mounted, with the top, cut off.
Check if the connectors are completely pushed into each other.



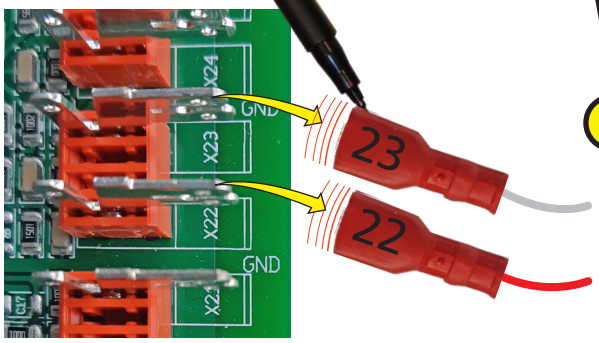


Check if the “J” numbers on the plugs, correspond with the laser burned ones.

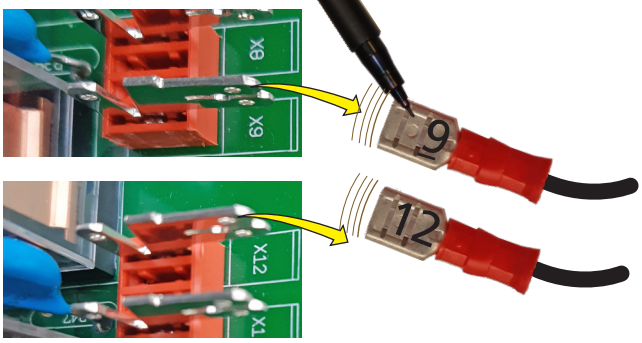
Do not forget !!!

Write the corresponding X numbers on the faston connectors, when disconnecting !!!!!

Example X22 and X23 from the PT1000 sensor



Example X9 (Heater contactor)
X12 (Climasafe fan)



Conversion of the TRC

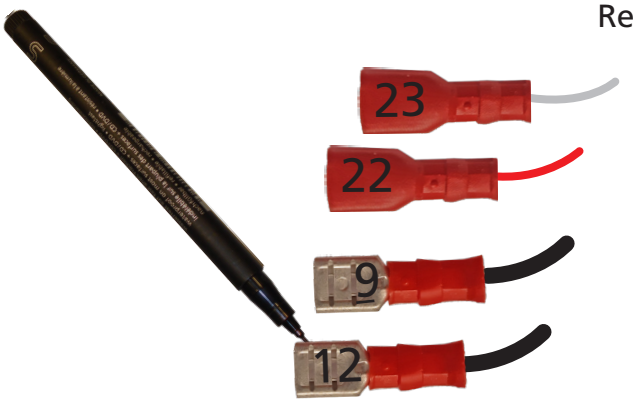
Disconnect the mains power.

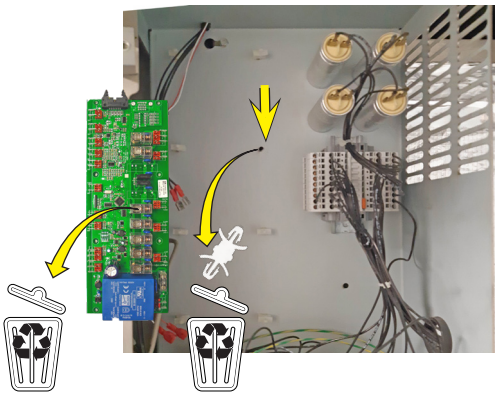
Remove the service panel.

Disconnect all wires and number them with the “X” numbers.

Remove the power&I/O board.

Remove one spacer



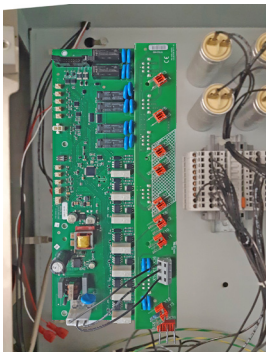


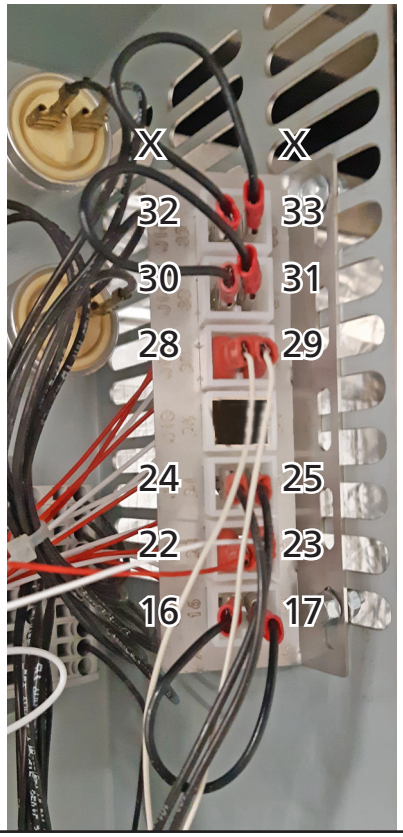
Mount the assembly of 2 boards.

Mount the assembled bracket.

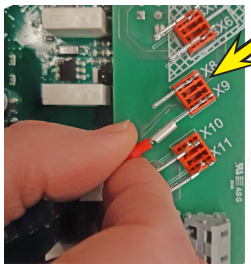
Connect the inputs wiring (see next page for X26 and X27)

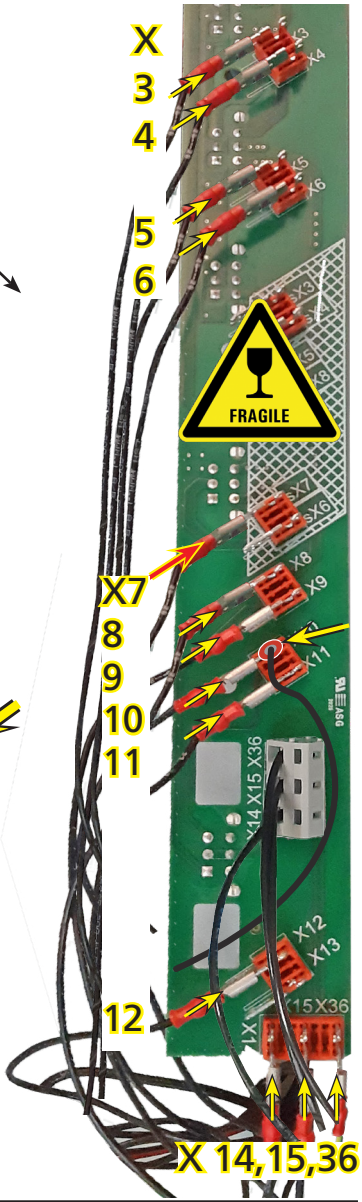
Connect the outputs wiring





Put contra force on the terminals while connecting !!



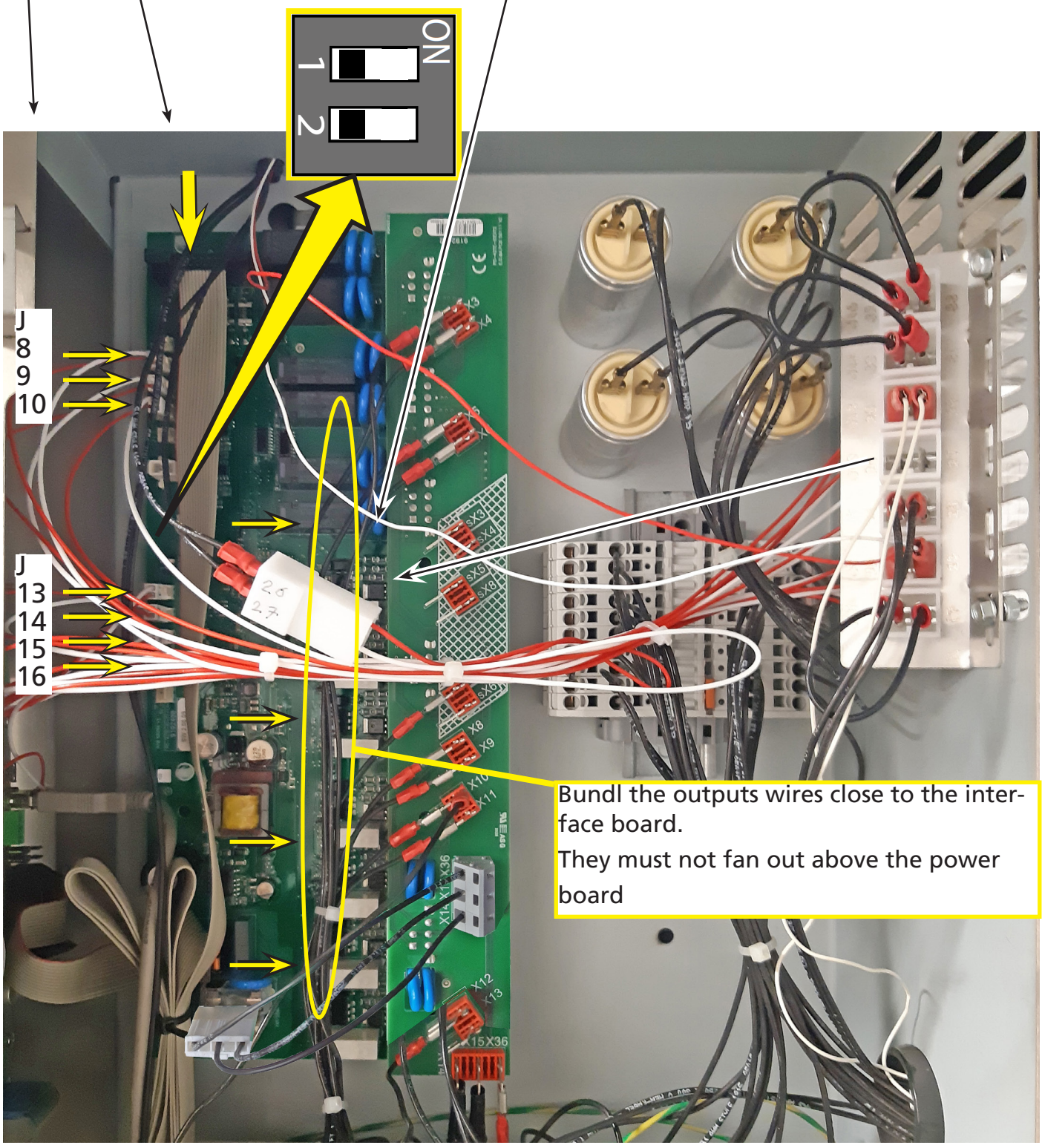


Connect the "J" input connectors.

Connect the ribbon cable.

Set the dip switches in the OFF position.

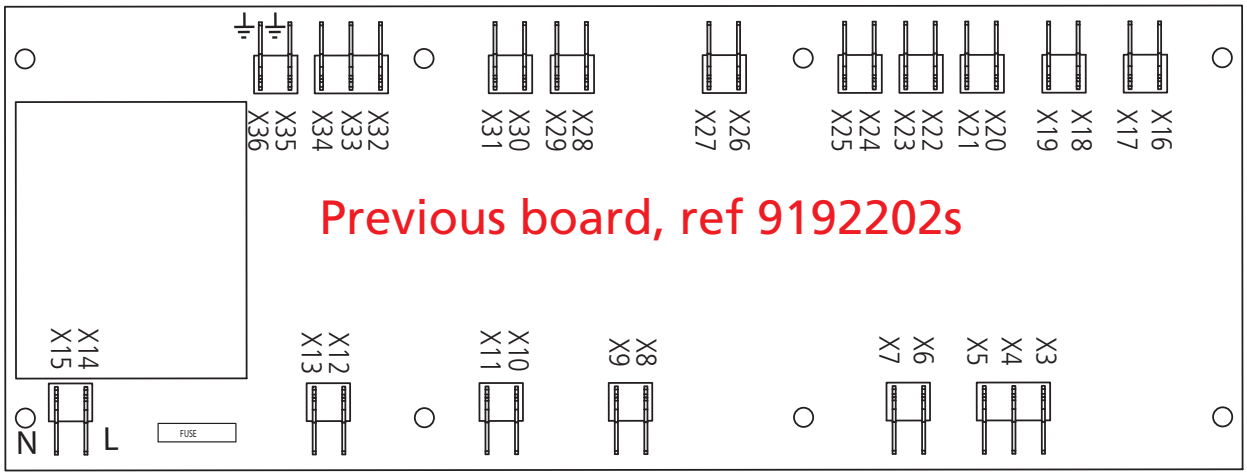
In case wires X26 and X27 are present (core probe), these might be too short to reach the bracket. In that case, take the socket from the bracket and tie it to the wiring as shown. Write the X numbers on it.

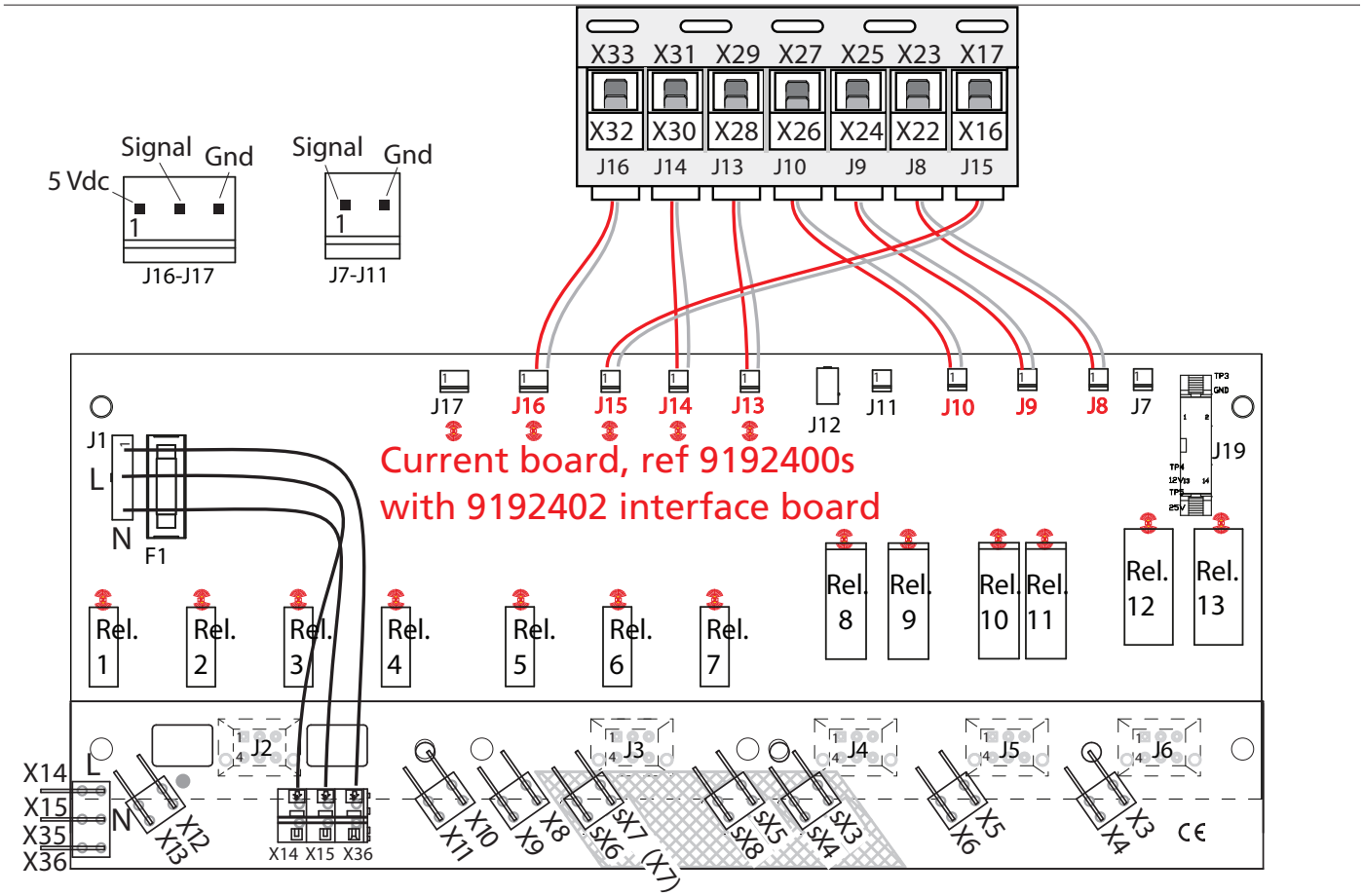


Connect the mains power and upgrade the software, if applicable.
Check all inputs and outputs by means of the I/O test facility in the service parameters.
If everything ok, then remount the side panel.

Overview of board terminals

Leave this sheet in the oven, next to the electric diagrams for future trouble shooting.





Electrical diagram of the new board assembly.