

Conversion to new generation Power&I/O board in the TDR (and STGi)

TDR5 p with or without hood



TDR7/8 p with or without hood



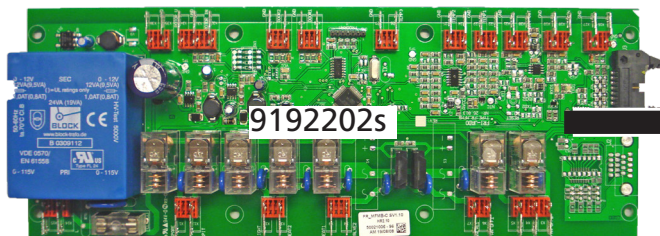
TDR7/8 i



STG7/8 i

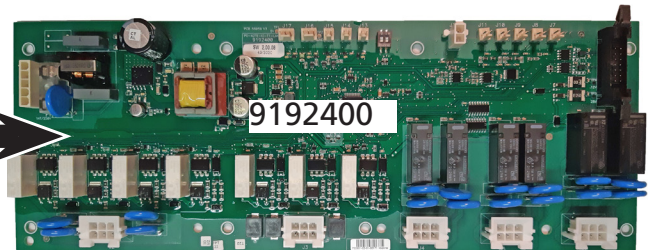


The below 9192202s board is no longer deliverable. This because some components became obsolete

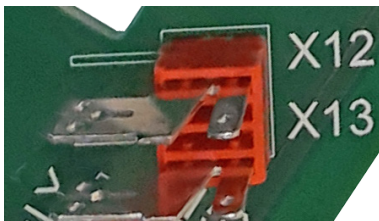


Old boards have spade terminals

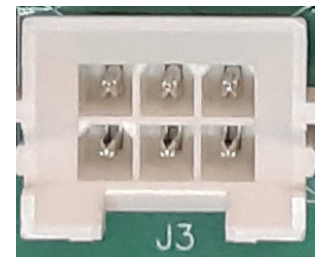
The below 9192400 board will replace it



New boards have multi pole sockets



"X" numbers to "J" numbers

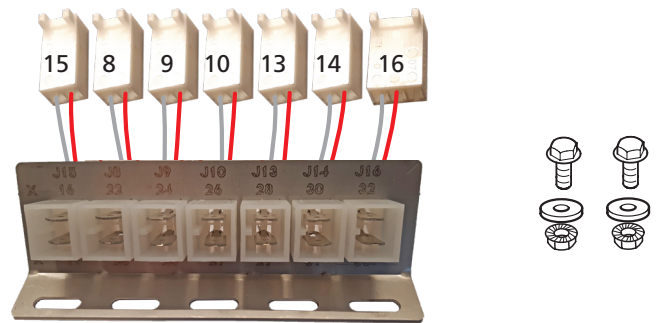
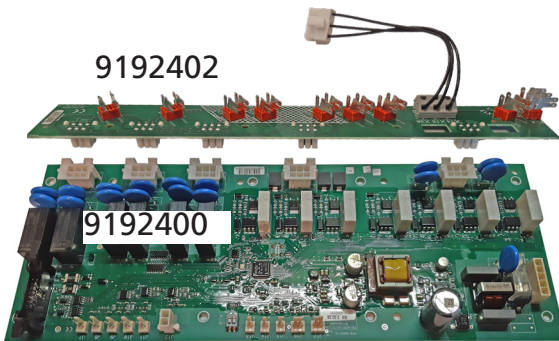


Notes!

- This document is applicable for
- all TDR-p models, TDR-p gas included
- TDR-i
- STG-i

The kit comes with:

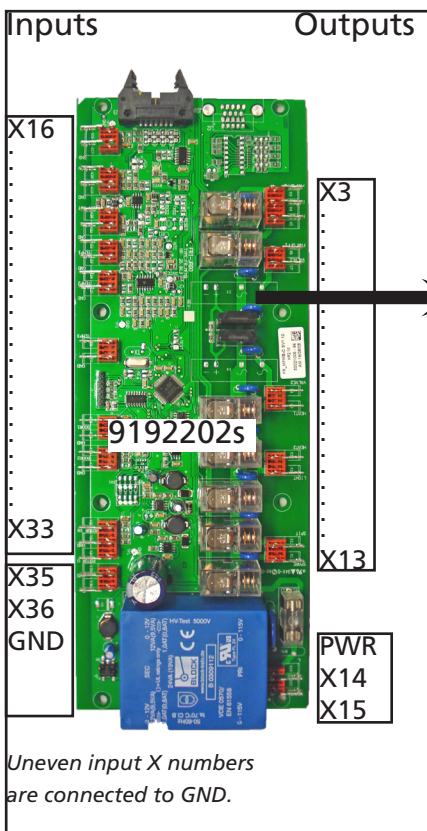
- ➔ An interface board 9192402 to convert the output wiring.
- ➔ A bracket with wiring to convert the input wiring.
- ➔ Mounting material.



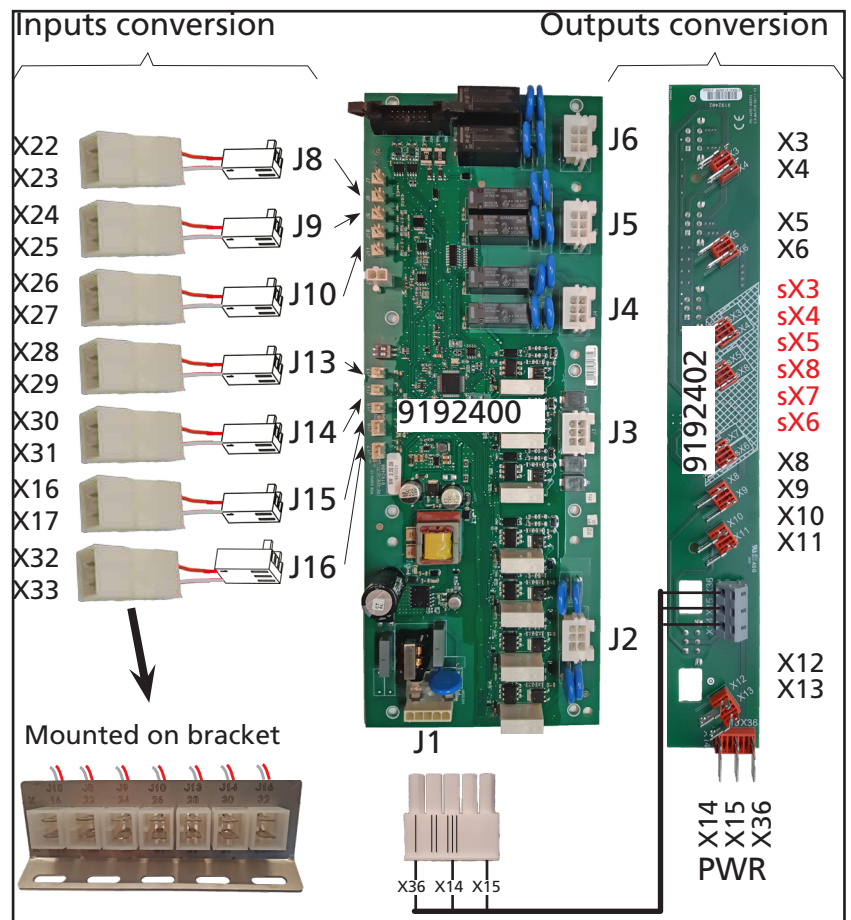
The principle

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

Old board connections.

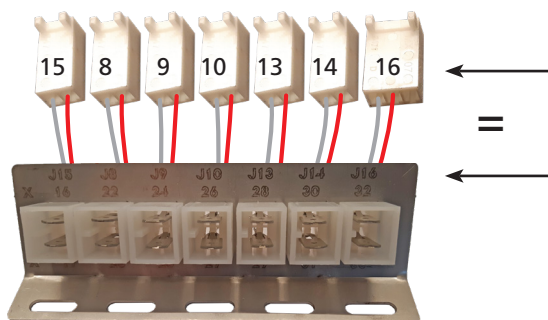
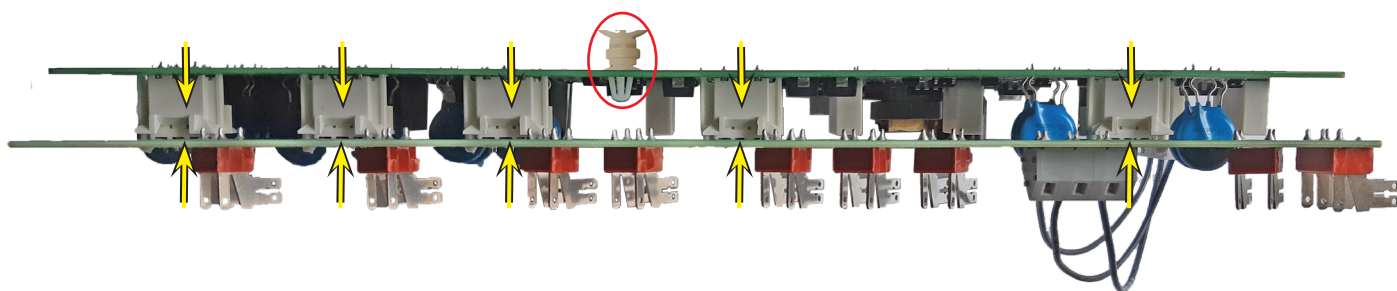


New board with conversion



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.

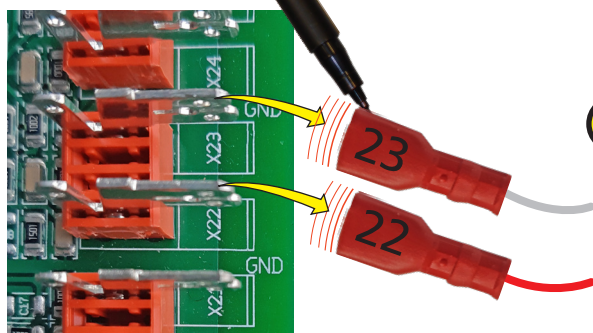


Check if the "J" numbers on the plugs, correspond with the laser burned ones.

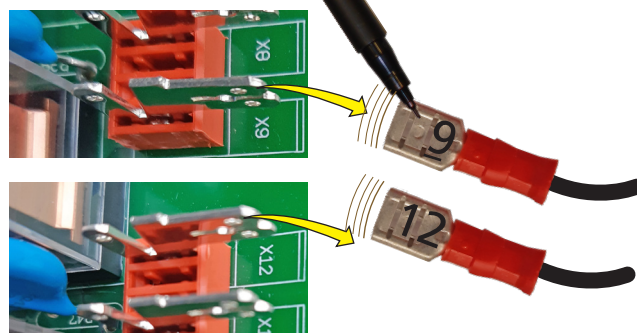
Do not forget !!!

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

Example X22 and X23 from the PT1000 sensor



Example X9 (Heater contactor)
X12 (Rotor motor)



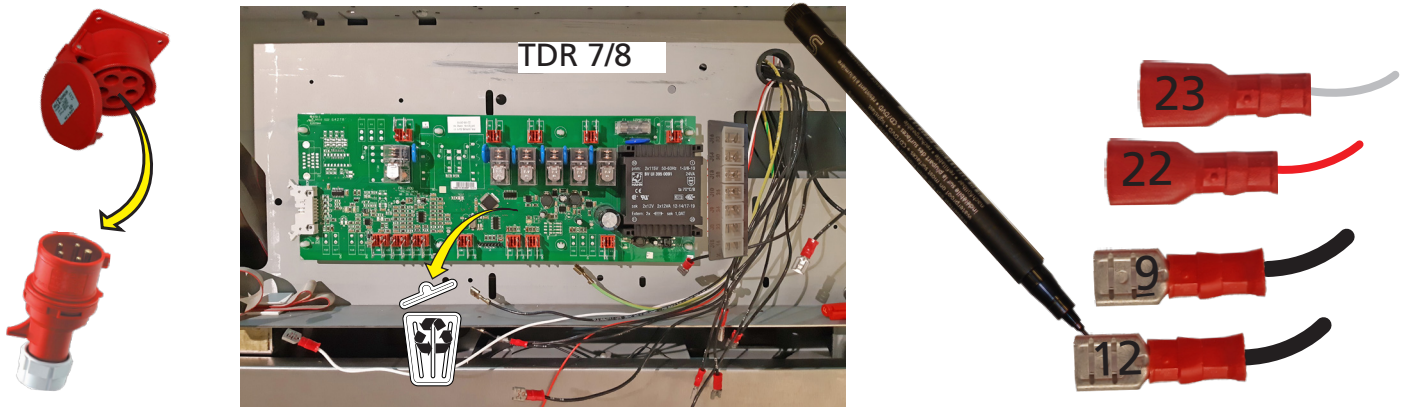
Conversion of the TDR

Disconnect the mains power.

Remove the service panel.

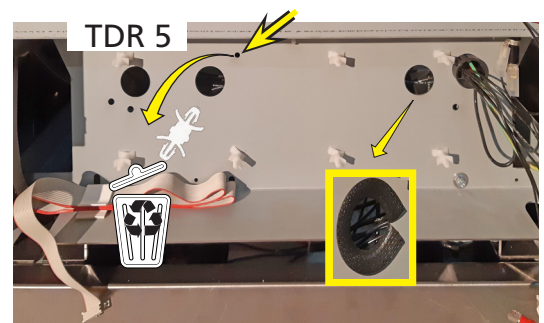
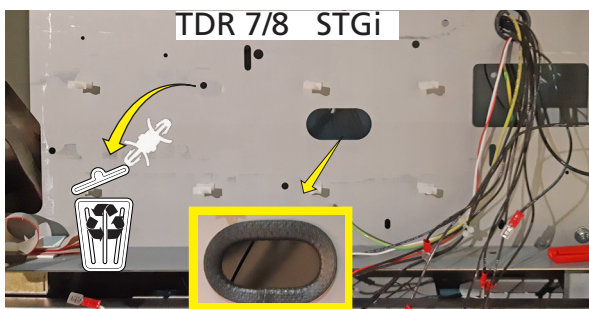
Disconnect all wires and number them with the "X" numbers.

Remove the power&I/O board

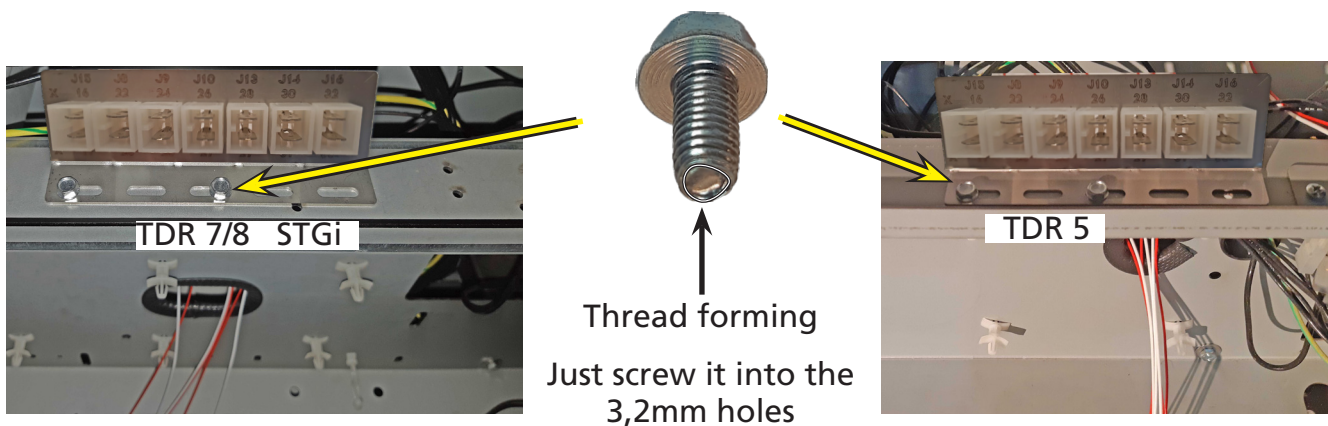


Put protective U profile in the transit hole, or use the grommet (TDR5)

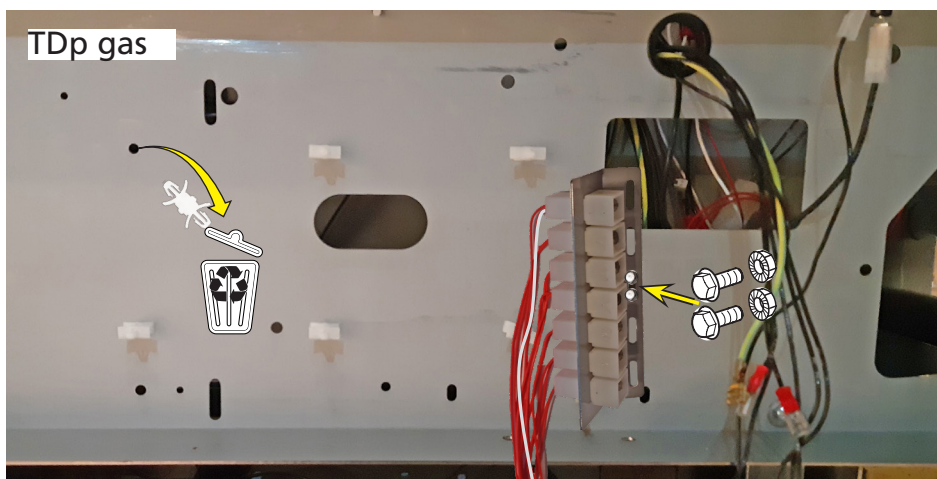
Remove one plastic spacer as indicated.



Mount the assembled bracket.

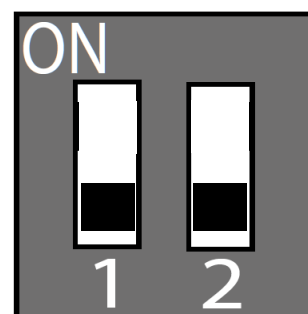
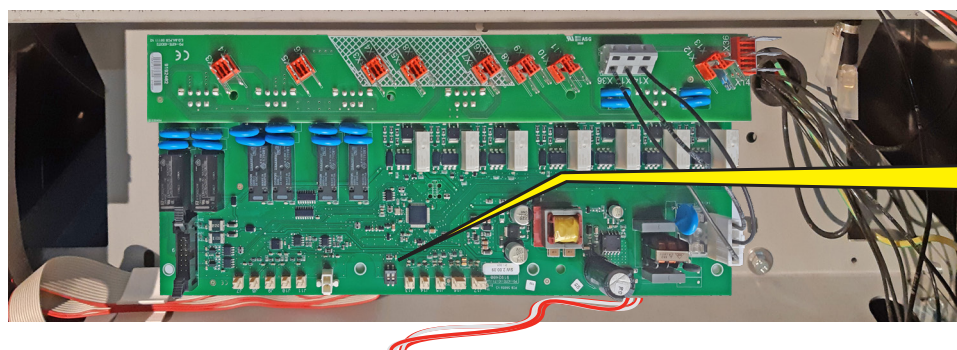


Mounting the assembled bracket in a TDRp gas



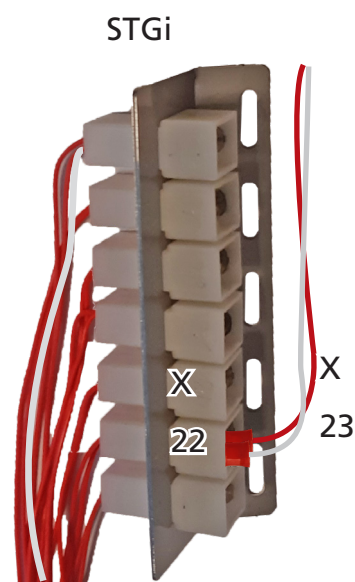
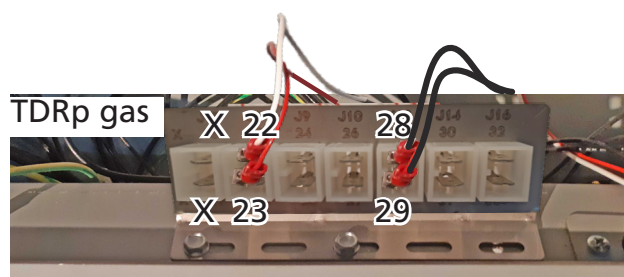
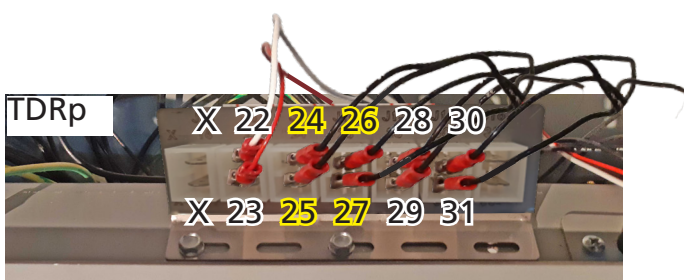
Mount the assembly of 2 boards.

Set the dip switches in the OFF position



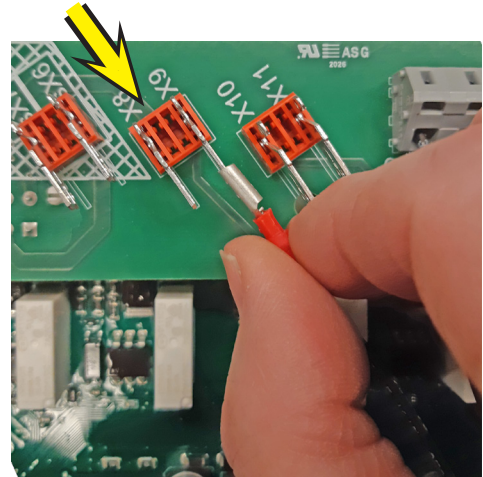
Connect the inputs "X" wiring.

X24,25,26,27, only in case the TDRp has a ventless hood

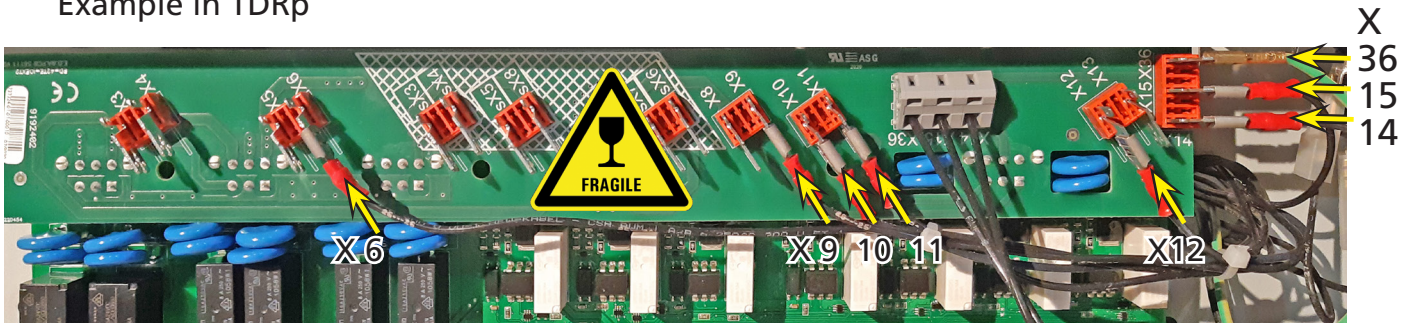


Connect the outputs and power "X" wiring.

Put contra force on the terminals while connecting !!

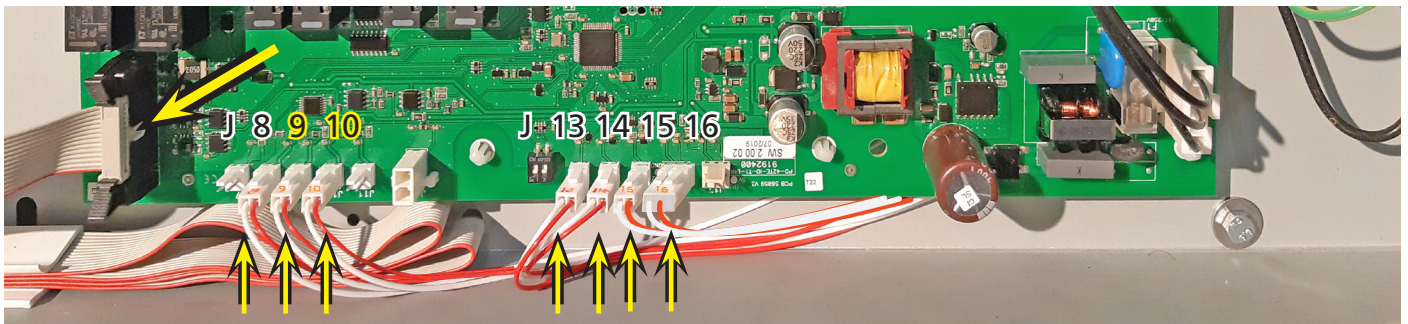


Example in TDRp



Connect the ribbon cable.

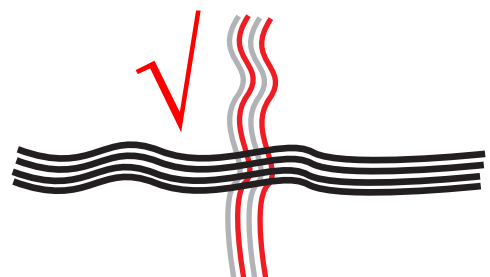
Connect the input connectors.



Tie up loose wiring again, make a neat wire harness.

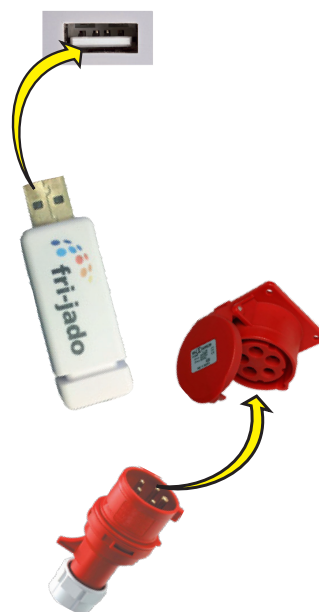
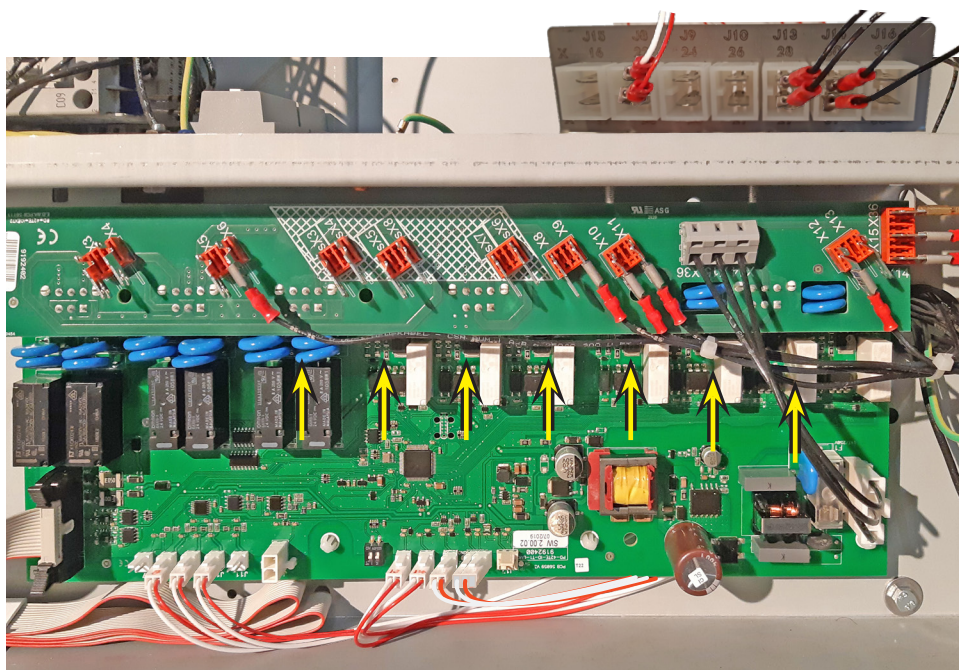
Do not tie wires from inputs and outputs in parallel together.

Crossing wires from inputs with wires from outputs are allowed.



*Bundl the outputs wires close to the interface board.
They must not fan out above the power board, see picture below.*

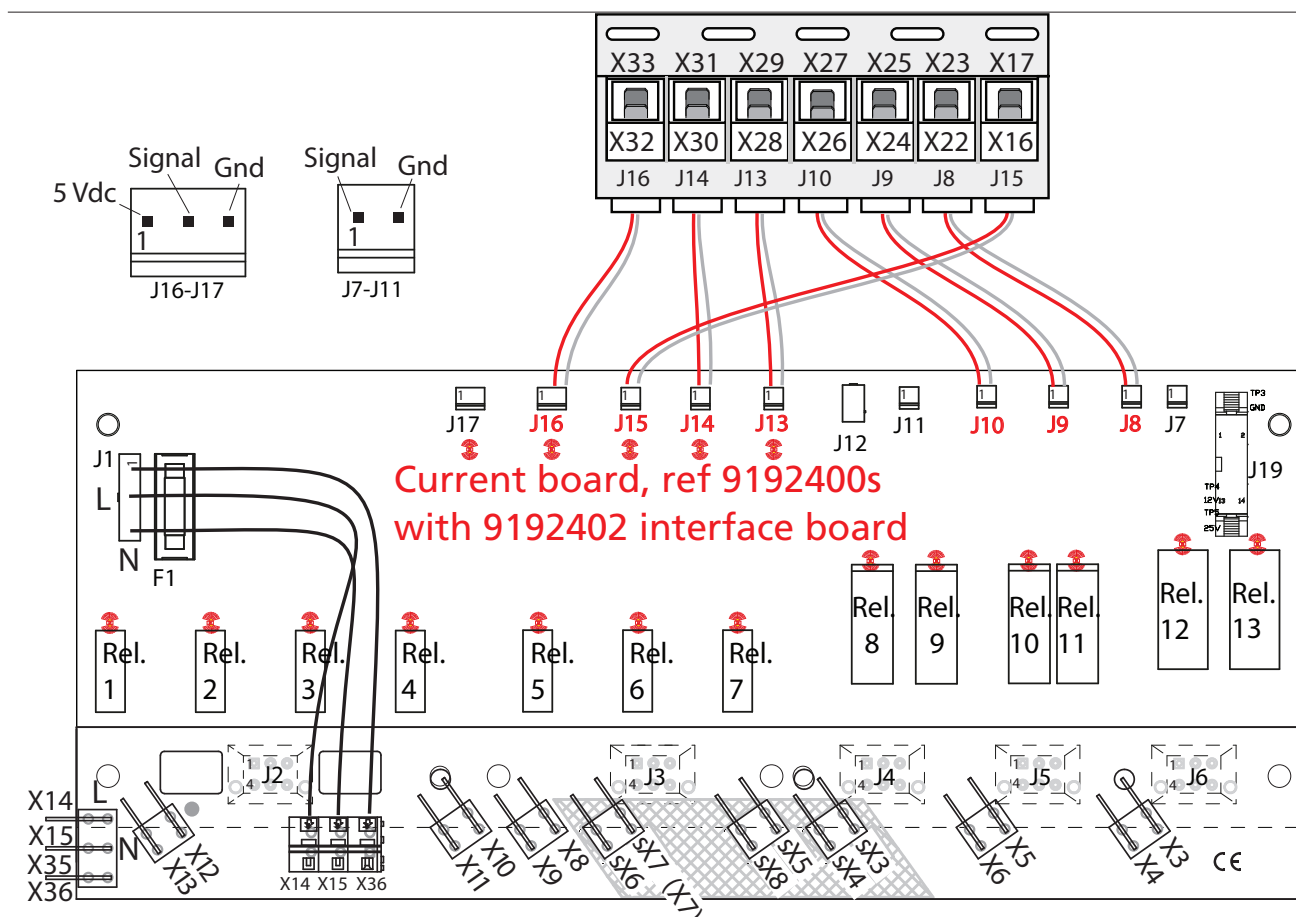
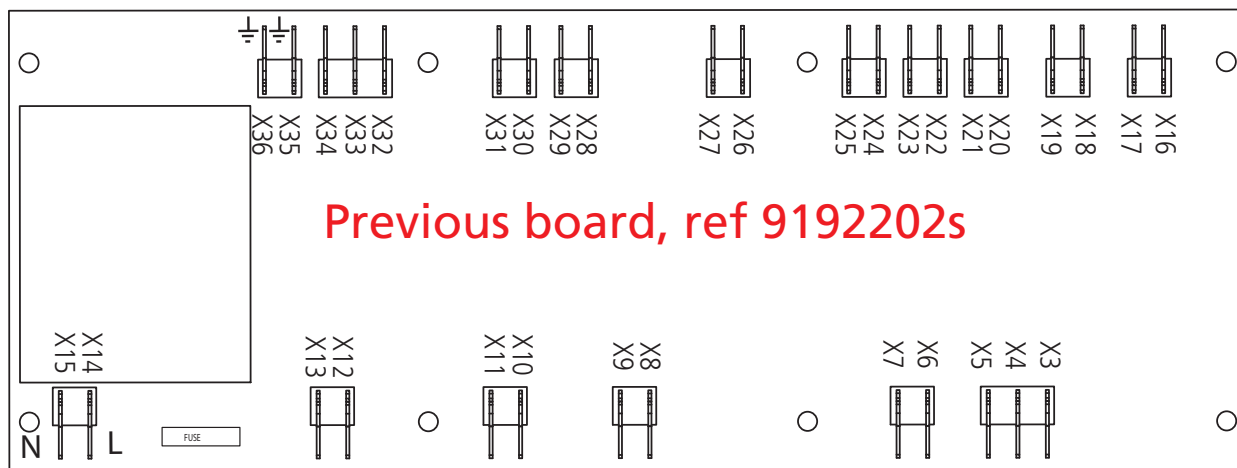
Plug in the USB drive in case of software update.
Connect the mains power



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.

