Add-on electronics for capacitive humidity sensor

The max. voltage for the TS272 is 18V DC.

The rating of the relay depends on the power supply voltage (Vdd). Use a 6V relay for power supply voltages between 5V and 9V otherwise a 12V relay. Keep the relay physically separated and off the ethernet board to avoid electromagnetic interference with the microcontroller.

You can as well use a small resistor (e.g. 22 Ohm) to adjust a 6V relay to higher voltages.

ETH-flower care, setup for small pumps and indoor plants

Tuxgraphics ethernet board with atmage328p

Only the relevant interconnections with the tuxgraphics ethernet board are shown here.