

Humidity transformer that includes source of direct voltage, two field transistors sinks of which are connected to each other. At that there are included two resistors, at that one of those is restriction one, two capacitors, moisture-sensitive capacitors, third field transistor and second direct voltage source. At that the first pole of the first source of direct voltage through restriction resistor is connected to gate of first field transistor sink of which is connected to the first output of the first capacitor, gate and sink of the third field transistor, first output terminal of humidity transformer and first gate of the second field transistor second gate of this is connected to the first output of the moisture-sensitive capacitor second input of which is connected to the second output of the second capacitor, sink of the second field transistor and second poles of the first and the second direct voltage sources that form common bus to which the second output terminal of humidity transformer is connected, and the first pole of the second source of direct voltage is connected to the first output of the second capacitor, second output of the second resistor and sink of the third field transistor. At that the first output of the second resistor is connected to the second output of the first capacitor.