

hotcontrol temperature controller C 148

Rapid commissioning

The temperature controller is preconfigured at the factory for the operation of a regulation zone using a pre-configured heating element and a thermocouple. The commissioning of the control zone can therefore be executed in only a few steps.

Caution:

Commissioning may only be executed by specialist personnel!

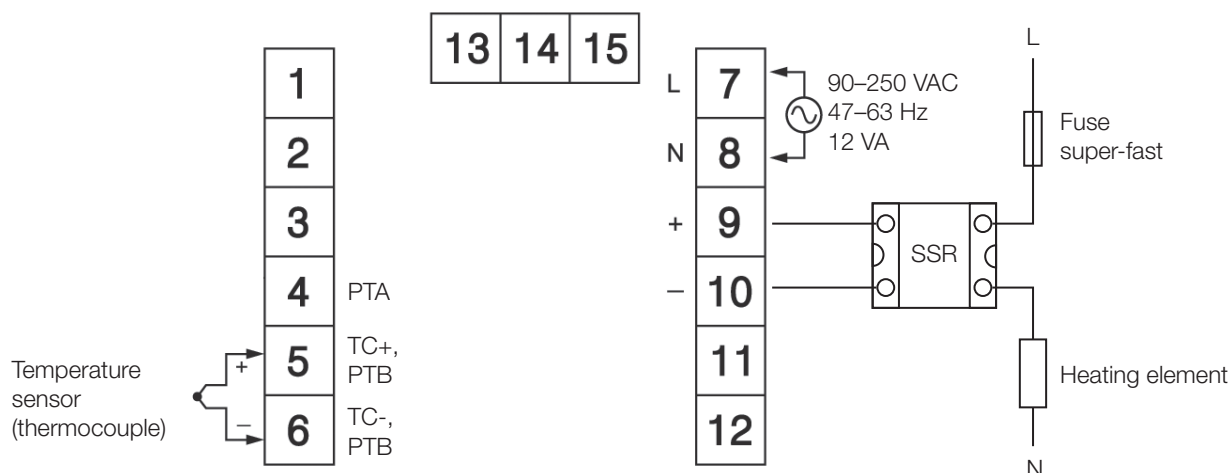


Step 1: Electrical connection





- Connect sensor (here thermocouple) between terminals 5 (+) and 6 (-).
- A solid state relay (SSR) is used as a power controller. Observe the heating output to be connected during the selection of the SSR. Connect the control of the solid state relay to terminals 9 (+) and 10 (-) at the controller.
- Connect the heating to the supply voltage and solid state relay. Use a super-fast fine-wire fuse or a super-fast circuit breaker to protect the heating circuit.
- Connect the supply voltage of the controller via terminals 7 and 8 (here 230 VAC).

Please also add a fuse here.

The design of the controller power supply must be observed (90–250 VAC or 24 V)!





Step 2: Set sensor type

- Press the  button until **INP** (INPUT) appears (normally 3 x).
- Select the sensor type using the **+button** or **-button**:
Example:  thermocouple type J
 thermocouple type K
- To exit, press the  button.

Step 3: Set nominal value

- Set the desired nominal value using the **+button** or **-button**.

Autotuning (if required)

- Press the  button until **R-t** appears (approx. 6,4 s).
- Press the  button again for approx. 5 s, until the **AT indicator** flashes on the control panel. The self-adaptation (autotuning) will then begin.