



1. Application, function, operation

The thermostat switches on or off one or several loads (for example, ventilators or heating systems) up to a total current rotary of 16A (4A in the case of a motor load). This is particularly important in the case of stall ventilation systems, the machine and transformer rooms and in green houses when the required desired values are exceeded and not reached.

The instrument is resistant to vapour containing ammoniac and salt air.

The desired value (scale value) is set by means of the rotary knob.

2. Positioning, maintenance

The sensor must be able to register all the factors influencing temperature in a room. As a consequence it must be subject to the air circulating in the room and not be installed in "dead corners" or directly close to heating and cooling equipment or windows. The temperature sensor and housing is to be cleaned and the dirt removed regularly.

3. Installation

The housing of the instrument is to be fastened to the wall after removing the setting knob and the top section. The thermostat has only been designed and built for connection to permanently laid lines.

4. Electrical connection

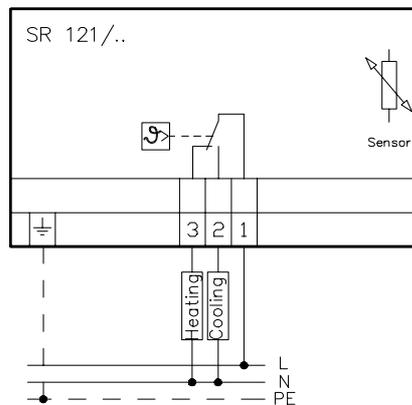
CAUTION: Mistakes made when connecting can lead to the controller be damaged! We accept no liability for damage caused by faulty connection and/or improper treatment!

- Before working on the instrument disconnect the power supply cable from the voltage supply.
- The connection must only be made by authorised specialist personnel!
- The connection is to be made in accordance with the supplied principle circuit diagram.
- To be observed are the regulations laid down in the Federal German VDE 0100, more especially Part 705, as well as the standards EN 60730, Part 1.
- To be also observed are the regulations of the local electricity board.
- The temperature sensor is to be mounted in such a way that it can register the average room temperature (avoid installation close to air intake and air exhaust ducts).
- Should the instrument not function please first check that the connection has been made correctly and that cable is under voltage.

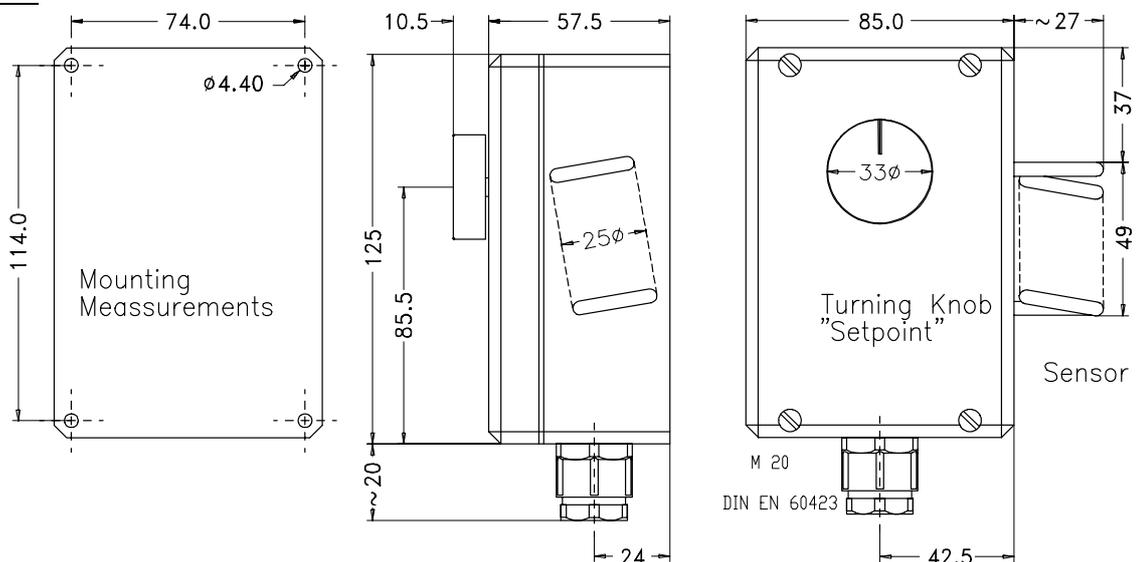
5. Technical data

Type	SR 121/..	
Temperature range	0... + 40°C	
Maximum permissible ambient temperature	-20... + 50°C	
Hysteresis	approx. ±0.75K	
Switching accuracy	± 2K at 40°C ± 4K at 0°C	
Desired temperature setting	SR 121/1:	rotary knob
	SR 121/2:	rotary knob on inside scale
Contacts	Switch over contact	
Maximum permissible switching current	Class 1-3:	16(4)A 250V AC; 10(4)A 400V AC
	Class 1-2:	8(4)A 250V AC; 4(2)A 400V AC
Housing:	measurements	approx. 112 x 145 x 68 mm (b x h x d)
	fastening	wall fitting
	Class protection	I
	Type of enclosure	IP 54
	Weight	approx. 350 g

6. Connection diagram



7. Dimensions



Subject to modification