Temperature Controller RT-SSR

1 Application

The RT-SSR is an inexpensive and reliable temperature controller for non-hazardous areas. It can control both electric heaters and filter fans.

2 Special Features

- Easy installation on a mounting rail

- Easy connection using outside terminals without opening the housing

- Limiting of the adjustment range is possible
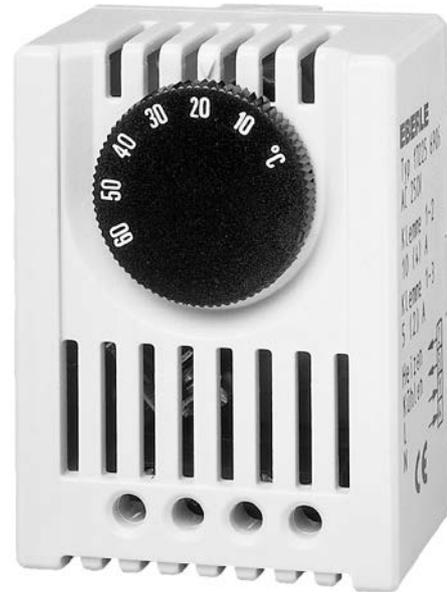
3 Description

The RT-SSR is a two-step controller with bimetallic sensor in a plastic housing.
The controller is equipped with temperature feedback in order to improve the control characteristic. It can also be used at operating voltages <230 V, which makes the temperature feedback almost ineffective.
The temperature set point can be changed by an adjustment knob. If necessary, the adjustment range can be limited by changing the stops behind the knob.
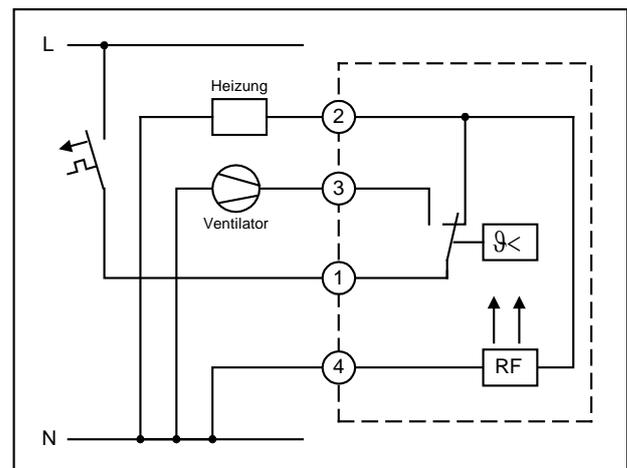
4 Technical Data

Rated voltage	AC 230V 50Hz
Adjustment range	10°C to 60°C
Contact	1 center-zero relay
Switching current Heating Cooling	10A (4A at cos phi <1) 5A (2A at cos phi <1)
Protection degree	IP 30
Installation	on mounting rail 35mm to DIN-EN 50 022
Dimensions WxHxD	50x76x35mm
Weight	80 g

5 Installation

The regulator should not be installed above the heater or any other heat source.

6 Wiring Diagramme