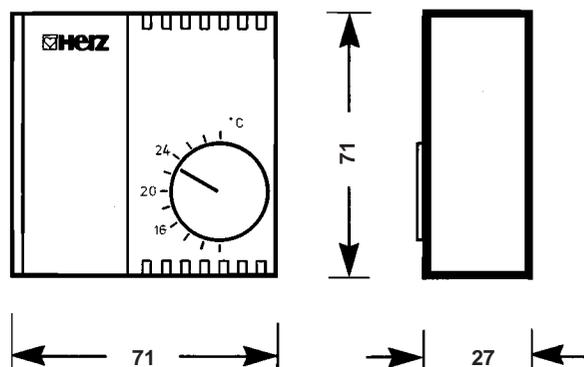


HERZ-RTR

Electronic Control System

Room Thermostat for 2-Point Control

Standard Sheet for
7790
Edition 0299 (1098)



Dimensions in mm

- 1 **7790 15** **Electronic Room Thermostat**
for 2-point control, 1 change-over contact, operating voltage 230 V
- 1 **7790 25** **Electronic Room Thermostat**
for 2-point control, 1 change over contact, operating voltage 24 V.

Room Thermostat
for 2-Point Control

- 1 **7710 00** **HERZ Thermal Actuator**
Change-over function closed/open without current, operating voltage 230 V
- 1 **7710 01** **HERZ Thermal Actuator**
Change-over function closed/open without current, operating voltage 24 V

Thermal Actuators

For technical data refer to standard sheet HERZ-RTR-7710.

HERZ room thermostats are used in combination with HERZ thermal actuators for 2-point control of heating or cooling systems. They are particularly suitable for thermostatic control of floor heating systems and for zone control.

Field of Application

Operating voltage	1 7790 15 230 V/50 Hz
	1 7790 25 24 V AC/DC
Temperature range	10–30 °C
Temperature sensor	internal
Sensor tolerance	± 1 K
Switching difference	± 0.2 K fixed
Power consumption approx.	1 VA
Relay contact	1 change-over contact
Max. switching current	5 A
Electric connection	Screw terminals
Ambient temperature	–10 to 50 °C
Enclosure Material	Plastic
Degree of protection	IP 30
Protection class	II according to VDE 0700
Installation	Wall mounting or onto a flush box
Line entry	suitable for surface and buried lines
Weight	approx. 90 g

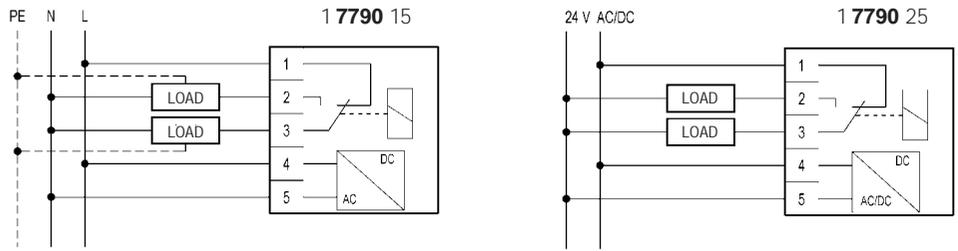
Technical Data

We reserve the right to make
modifications in accordance with
technological progress

HERZ room thermostats are characterised by low switching differences and high control accuracy. The ambient temperature is sensed by means of an internal sensor. The output channel is equipped with a potential-free change-over contact.

The room thermostats are mounted directly onto the wall or onto a flush box. The power cable is fastened by means of screw terminals. The cable duct is suitable for surface and flush mounting.

Additional functions, the installation process, and setting options are specified on the instruction sheet supplied with the device.



Description

Connection Diagram

1 7790 15
1 7790 25

The overload-proof HERZ-safety transformer (230 V/24 V) has been designed for the connection of HERZ-room thermostats and HERZ-thermal actuators. It is suitable for simultaneous operation of up to 8 HERZ thermal actuators.

Design type	according to VDE 0551
Protection class	II
Degree of protection	IP 20
ISO class	T 40/E
Input voltage	230 V
Input circuit fuse	50–60 Hz, 315 mA
Output voltage	24 V
Power rating	50 VA
Quick installation on equipment rails	according to DIN 42227/3
Dimensions	106 x 90 x 74 mm (W x H x D)

HERZ-Transformer 1 7796 02

Technical Data

