



## DATA SHEET

### DRT 1

Article No. 09501171



[Internetlink](#)

#### Function

Temperature control devices are primarily thermostats that control the room temperature using the set target value and the measured actual value independently. The DRT 1 room thermostat is a component of the Dupline installation system and generates a switching channel for evaluation via the Dupline bus, e.g. by switching heater control valves. The thermostat generates the switching channel depending on the set desired temperature and the room temperature. If the room temperature falls below the set desired temperature, the DRT 1 activates the Dupline channel; otherwise the channel is deactivated. An additional Dupline channel can be provided on the DRT 1 for a night-time reduction of 4°C. The DRT 1 does not need an external power supply as it is supplied from the Dupline signal lines. Its design allows it to fit into conventional in-wall recessed sockets/boxes, but the device is also suitable for on-wall mounting if the supplied housing is used.

#### Features

room thermostat for the Dupline bus system, two-point controller, easy operation thanks to rotary knob on the front, night-time reduction (4°C) can be switched via Dupline, Power supply from the Dupline bus

#### Mounting

on-wall mounting or, in-wall mounting in recessed socket

#### Applications

The thermostat is suitable for temperature control in privately used buildings, hotels and other, commercially used buildings, schools and other public buildings, Temperature, energy and load management in large buildings with superset controls

Technical Data	DRT 1
Series	DRT 1
Hysteresis temperature	0.5 °C
min. Sensor measuring range temperature	14 °C
max. Sensor measuring range temperature	28 °C
design	Dupline
max. IF Bus system output channel	1
max. IF Bus system input channel	1
current consumption bus	max. 2500 µA
Thermostat type temperature control	two-point control
Temperature control device, night setback value	-4 °C
Operating voltage source	Bus signal
Type	LED (red)
Description	Strain relief clamp (Bus connection)
Clamping area	0.4 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Description	General data
Ambient temperature	-30 °C ... 60 °C
Housing type	wall-mounted housing, in-wall housing
Mounting type	Socket/box installation
Housing material	ABS resin

Technical Data	DRT 1
Protection class	IP20
Width	84 mm
Height	84 mm
Depth	34 mm
Installation depth	18 mm