



## DATA SHEET

### DRT 2-we

Article number 09501700



[Internetlink](#)

#### Function

Temperature control devices are primarily thermostats that control the room temperature using the set target value and the measured actual value independently. Room temperature thermostat with a 2-line digital display and direct Dupline connection. The modules of the DRT 2-xx series are room thermostats designed for direct connection to the Dupline bus. They are equipped with a 2-line LCD display and four operating buttons for setting the temperature and effecting up to 16 switch commands. The thermostat control has two operating modes: the thermostat mode, in which the DRT 2 controls the temperature independently, and the terminal mode, in which the desired temperatures can be fed to a superset SPS which then takes over the temperature control. The "thermostat" operating mode offers various regulator programmes: Temperature control heating/cooling, Night-time reduction, Party (comfort) mode (night-time reduction override), Thermostat inhibit, Heat/frost protection and Thermostat reset. The regulator programmes are mainly set manually but may also be controlled to a large extent via the Dupline bus. Configuration of the programmes is extremely flexible due to the "DRTconf" software available free-of-charge via the internet at [www.doepke.de](http://www.doepke.de). This permits a customer-specific menu structure to be easily created. There is, for example, the option of completely suppressing programmes, of limiting possible adjustable parameters and of furnishing individual pages with key or PIN protection. In addition, up to 16 digital and analogue Dupline channels can be displayed and operated – provided this is possible in the Dupline system.

#### Features

2-line, blue LC text display, Indication of night-time reduction, thermostat inhibit and frost protection, Housing front in colour white (DRT 2-we), anthracite (DRT 2-an) and blue RAL 5026 (DRT 2-bl), 4 buttons for navigating and operating, Operating modes: thermostat (heating and cooling) / terminal (control unit), 2-point regulating, Large number of programmes: night-time reduction, Party/comfort, thermostat inhibit and frost protection, menu items and system settings with optional password protection, fits to a large number of switch programmes

#### Mounting

Installation in deep flush-mounted installation boxes (dia. 68 mm), Size of display suitable for 50x50 mm frame size of most standard switch programmes (if necessary use adaptor frame)

#### 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

#### Notes

The most up-to-date configuration software is available on the internet at <http://www.doepke.de>.

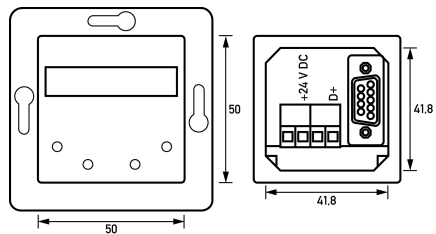
#### Technical Data

Technical Data	DRT 2-we
Series	DRT 2
min. Sensor measuring range temperature	0 °C
max. Sensor measuring range temperature	45 °C
Sensor resolution temperature	0.25 °C
min. Sensor, measuring error, temperature	-1 °C
max. Sensor, measuring error, temperature	1 °C
design	Dupline

Technical Data	DRT 2-we
Thermostat type temperature control	two-point control
Temperature control device, modes of operation	Controller (heat/cool), Terminal
min. Temperature control device, frost protection value	0 °C
max. Temperature control device, frost protection value	10 °C
min. Temperature control device, heat protection value	20 °C
max. Thermostat heat protection value	45 °C
Thermostat programs controllers	Default, Standby, Comfort (Party), Controller lock, Heat/frost protection, Controller reset
min. Temperature control device, desired value heating	10 °C
max. Thermostat desired value heating	30 °C
min. Temperature control device, desired value cooling	10 °C
max. Temperature control device, desired value cooling	40 °C
min. Temperature control device, standby setback value	0 °C
max. Temperature control device, standby setback value	10 °C
min. Thermostat time range controller function comfort	0 h
max. Temperature control device, time range controller function comfort	5 h
Control element, type	Push-buttons
Number of operator keys	4
Width of front cover	50 mm
Height front cover	50 mm
Depth front cover	10.6 mm
Operating voltage (DC)	24 V (22 V ... 27 V)
Current consumption (DC)	0.022 A ... 0.033 A
Type	LC display (alphanumeric)
Dimensions	W 43.9 mm · H 10 mm
number of lines	2
Characters per line	16
	Screw-type terminal (Bus connection)
Clamping area	0.4 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
General data description	General data
Ambient temperature	0 °C ... 45 °C
Permissible humidity	max. 85 %
Housing type	in-wall housing
Mounting type	Socket/box installation
Housing material	Polycarbonate (PC)
Protection class	IP20
Width	42.3 mm
Height	42.3 mm
Depth	38 mm

Technical Data	DRT 2-we
Design requirements/Standards	EN 60669-1, EN 50428, EN 55090, EN 55024, EN 61000-6-1, EN 61000-6-3

## Dimensions



Dimensional drawing Group view