



DeltaTherm® HC mini

The *DeltaTherm®* HC mini offers a compact and user-friendly solution for simple heating systems. It can control a weather-compensated heating circuit and its backup heating demand. Additionally, there's a choice of 5 different operating modes, a boiler protection option and a night correction.

Due to the commissioning menu and the 4 pre-configured basic systems, configuration is quick and easy.

The chimney sweeper function and the holiday mode can be activated by pressing a single button.



rosenthal design 



Heating control, simple and efficient

- 4 pre-configured basic systems
- Screed drying function
- 4 relay outputs (incl. 1 potential-free extra-low voltage relay)
- 5 inputs for Pt1000 temperature sensors
- 5 operating modes, boiler protection, room thermostat and night correction
- Holiday mode, chimney sweeper function and screed drying function via microbuttons
- Data logging, storing, easy transfer of controller adjustments prepared and firmware updates via SD card
- Modulating heating control with 0-10V boiler control
- Weather-compensated control with room influence or demand-based room control with up to 3 room temperature sensors
- Remote access with a room control unit or the VBus®Touch HC App

RESOL *DeltaTherm®* HC mini

Price bracket A | Article no.: **115 005 23**

RESOL *DeltaTherm®* HC mini – Full kit

Incl. 3 Pt1000 sensors (1 x FAP13, 1 x FRP21, 1 x FRP6)

Price bracket A | Article no.: **115 005 13**

Menu languages:

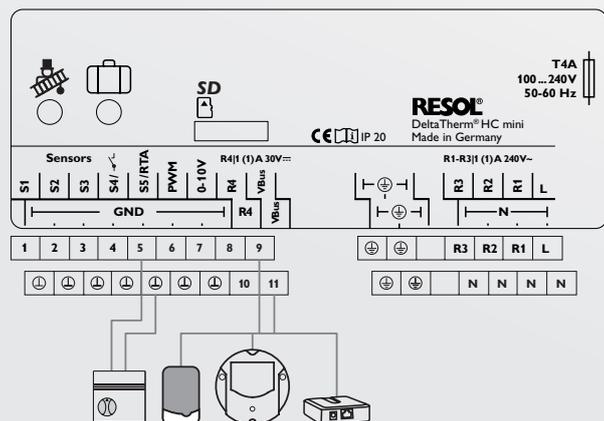


Customised and OEM versions are available on request.
Please contact our sales team.

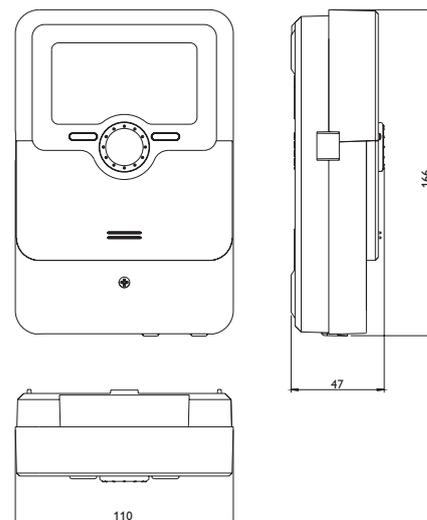


Temperature controls class VIII

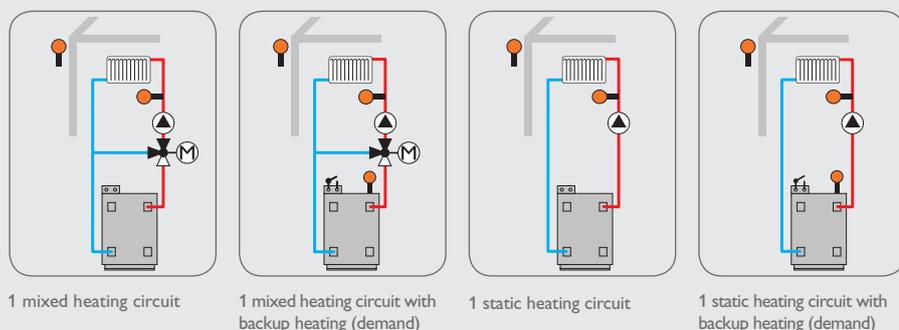
ELECTRICAL CONNECTION



TECHNICAL DATA



EXAMPLES



Inputs: 5 inputs for Pt1000 temperature sensors (1 of them can be converted to switch and one of them to RTA)

Outputs: 3 semiconductor relays, 1 potential-free extra-low voltage relay, 1 PWM output, 1 0-10 V output

PWM frequency: 512 Hz

PWM voltage: 10.8 V

Switching capacity:

1 (1) A 240 V~ (semiconductor relay)

1 (1) A 30 V== (potential-free relay)

Total switching capacity: 3 A 240 V~

Power supply: 100... 240 V~ (50... 60 Hz)

Supply connection: type Y attachment

Standby: 0.66 W

Temperature controls class: VIII

Energy efficiency contribution: 5 %

Mode of operation: type 1.B.C.Y action

Rated impulse voltage: 2.5 kV

Data interface: RESOL VBus®, MicroSD card slot

VBus® current supply: 60 mA

Functions: weather-compensated heating circuit control, backup heating, room thermostat, chimney sweeper function, screed drying function

Housing: plastic, PC-ABS and PMMA

Mounting: wall mounting, mounting into patch panels is possible

Indication/Display: full graphic display, control lamp (Lightwheel®)

Operation: 4 push buttons and 1 adjustment dial (Lightwheel®)

Ingress protection: IP 20/EN 60529

Protection class: I

Ambient temperature: 0... 40 °C

Pollution degree: 2

Dimensions: 110x166x47 mm

ACCESSORIES

RESOL RTA12 Remote control



The heating curve can be comfortably adjusted from the living area

Price bracket A | Article no.: **136 000 40**

RESOL KM2 Communication module



Incl. RESOL service CD, network cable and mains adapter, VBus® cable pre-connected

Price bracket A | Article no.: **180 012 10**

RESOL FRP12 Indoor temperature sensor



Used for measuring the indoor temperature with a Pt1000 measuring element

Price bracket A | Article no.: **155 008 90**

RESOL AM1



Alarm module for signalling system failures

Price bracket B | Article no.: **180 008 70**

RESOL RCP12



Room control unit

Price bracket A | Article no.: **136 000 50**

RESOL SV6



SV6 Sensor distribution box

Price bracket A | Article no.: **145 441 30**