



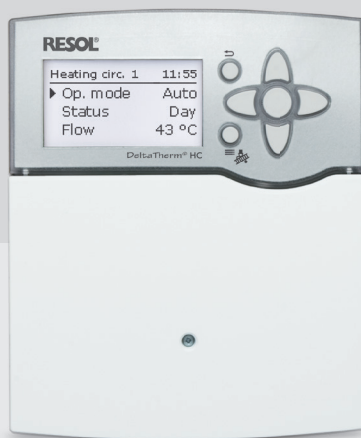
RESOL heating controllers



DeltaTherm® HC mini

Controls a weather-compensated heating circuit and its afterheating demand

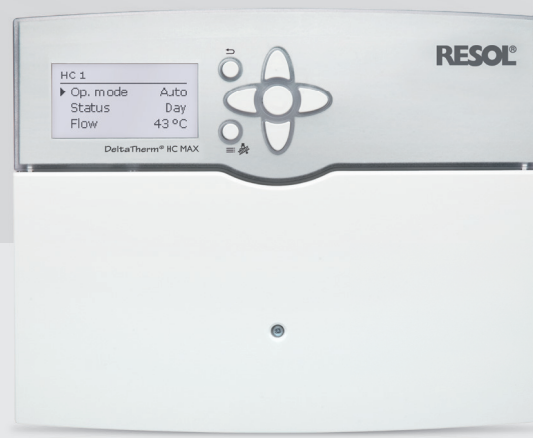
Temperature controls class: VIII



DeltaTherm® HC

Controls a weather-compensated heating circuit (up to 6 with EM Extension Modules), the DHW loading and the afterheating demand for both

Temperature controls class: VIII



DeltaTherm® HC MAX

Controls up to 4 weather-compensated heating circuits (up to 7 with EM Extension modules), the DHW loading and the backup heating demand for both

Temperature controls class: VIII



RESOL heating controllers – simply more

- Solutions for different DHW and space heating systems
- Suitable for small systems in private households up to large, multivalent heating installations
- Intuitive commissioning menu
- Room thermostats from all manufacturers can be connected
- Many accessories such as Alarm modules, Dataloggers and Communication modules can be connected via RESOL VBus®
- Remote parameterisation via RPT software possible
- PWM outputs for the speed control of high-efficiency pumps
- RESOL VBus.net Internet portal for data visualisation and evaluation over the Internet
- Data logging and storing via SD memory card and/or Data-logger
- User-friendliness and efficiency at an attractive price
- OEM versions on request

Survey of heating controllers

Customised and OEM versions available also for small-batch series



DeltaTherm® HC mini



DeltaTherm® HC



DeltaTherm®HC MAX

Temperature sensor inputs	5	8 (9 ²)	12 (15)
Sensor type	Pt1000	Pt1000, Pt500, KTY	Pt1000, Pt500, KTY
Semiconductor relays	3	4	13
Potential-free relay	1	1	1
PWM/0-10V outputs	2	2	4

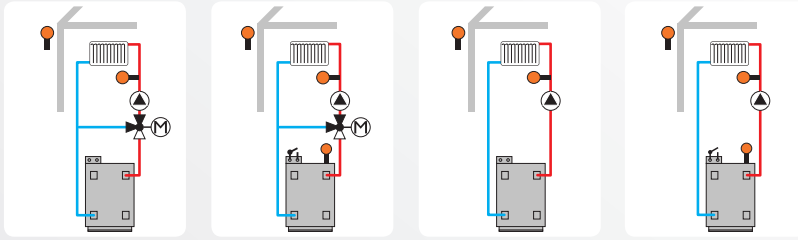
Software

Pre-configured systems	4	30	45
Mixed heating circuits	1	6 ¹	7 ¹
Mixer control weather-compensated	✓	✓	✓
Mixer control with target temperature	✓	✓	✓
Operating modes	5	6	6
0-10V boiler control	✓ ³	✓	✓
Room control	✓ ³	✓	✓
Remote access with VBus®Touch HC	✓	✓	✓
Remote display via VBus®Touch FK	-	✓	✓
Remote access with RCP12	✓ ³	✓	✓
Heating circuit antifreeze function	✓	✓	✓
Heating circuit chimney sweeper function	✓	✓	✓
Screed drying function	✓	✓	✓
Room thermostats	3	30 ¹	35 ¹
Thermal disinfection	-	✓ ¹	✓
DHW heating	-	✓	✓
Circulation	-	✓ ¹	✓
Solid fuel boiler	-	✓	✓
Heating circuit return preheating	-	✓ ¹	✓
Return mixing function	-	-	✓
Weather-compensated backup heating	✓	✓	✓
Night correction	✓	✓	✓
Boiler protection	✓	✓	✓
Start-up/Overrun	-	✓	✓
Backup heating suppression	-	✓	✓
Heat exchange	-	✓ ¹	✓
Mixer	-	✓ ¹	✓
Parallel relay	-	✓ ¹	✓
Error relay	-	✓ ¹	✓
Function block	-	✓ ¹	✓
HQM	-	✓	✓

¹ via EM Extension module(s) ² via convertible impulse inputs ³ from version 1.01

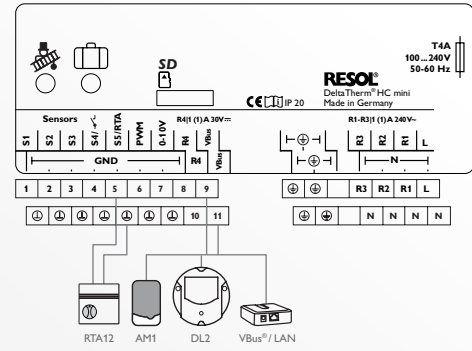
DeltaTherm® HC mini

Examples



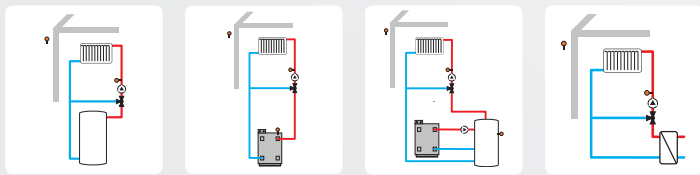
1 mixed heating circuit
 1 mixed heating circuit with afterheating (demand)
 1 static heating circuit
 1 static heating circuit with afterheating (demand)

Electrical connection

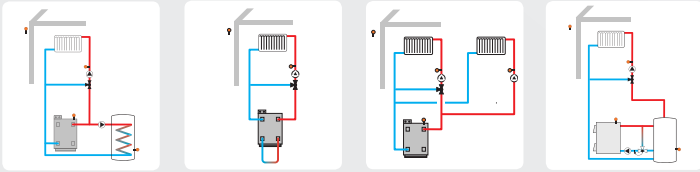


DeltaTherm® HC

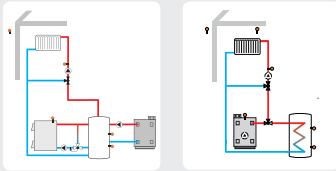
Examples



1 mixed heating circuit with external heat source (e.g. district heating)
 1 mixed heating circuit with afterheating (demand)
 1 mixed heating circuit with afterheating (demand and boiler loading pump)
 1 mixed heating circuit with external heat source (e.g. district heating)

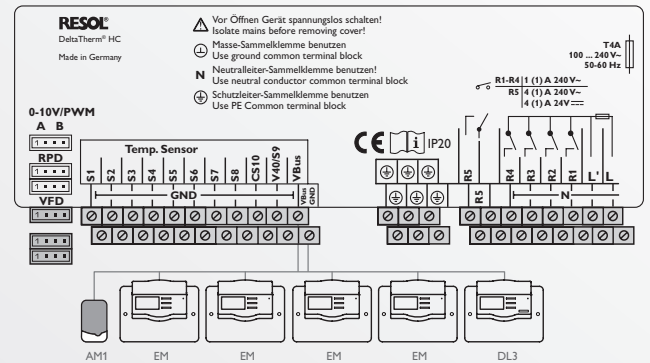


1 mixed heating circuit with DHW heating and afterheating (demand for heating circuit and DHW)
 1 mixed heating circuit with DHW heating (e.g. heat pump)
 1 mixed and one un-mixed heating circuit with afterheating (demand)
 1 mixed heating circuit with solid fuel boiler



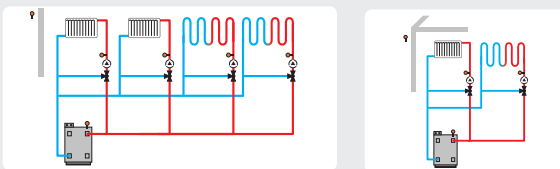
1 mixed heating circuit with solid fuel boiler and afterheating (demand)
 1 mixed heating circuit with DHW heating (3-port valve)

Electrical connection

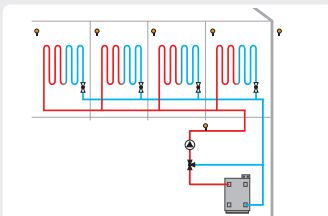


DeltaTherm® HC MAX

Examples

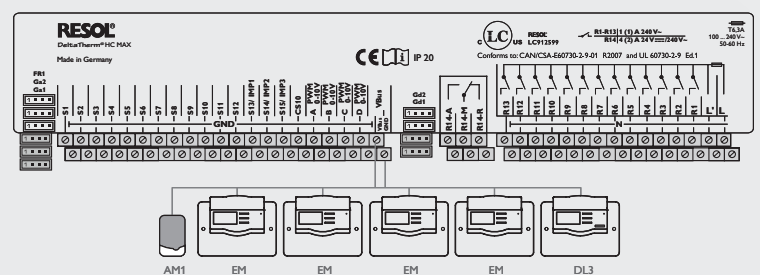


4 mixed heating circuits with backup heating (demand)
 2 mixed heating circuits with backup heating (demand)



1 mixed heating circuit with 4 zones

Electrical connection



VBus® Touch HC

Adjust your heating via app



This easy-to-use app enables you to make adjustments on your RESOL heating controller from a mobile device.

Thus, e.g. the operating mode can be set via the app. Additionally, the system data are displayed in a clearly arranged graphic.

OEM versions with your design – contact us!

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Survey of accessories



DeltaTherm® HC mini DeltaTherm® HC DeltaTherm® HC MAX

 RESOL AM1 Alarm Module Price bracket B Article no.: 180 008 70	✓	✓	✓	
 RESOL DL2 Datalogger Price bracket A Article no.: 180 008 70	 RESOL KM2 Communication Module Price bracket A Article no.: 180 012 10	✓	✓	✓
 RESOL DL3 Datalogger Price bracket A Article no.: 180 009 90	✓	✓	✓	
 RESOL EM Extension Module Price bracket A Article no.: 145 440 80	-	✓	✓	
 RESOL RTA12 remote control Price bracket A Article no.: 136 000 40	 RESOL RCP12 Room control unit Price bracket A Article no.: 136 000 50	✓*	✓*	✓*

* RCP12 for controller version 2.0 or higher