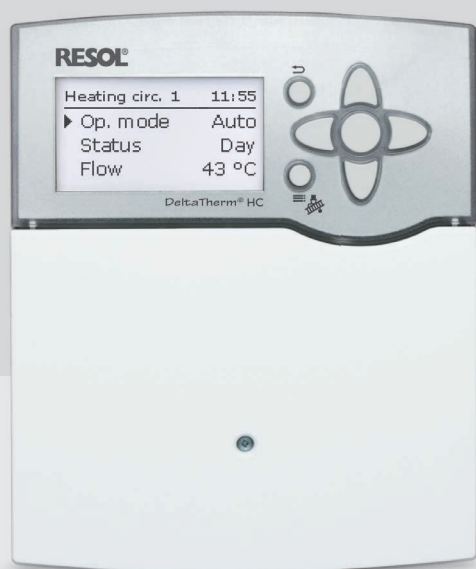




RESOL heating controllers



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 mini

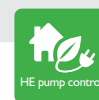
Controls a weather-compensated heating circuit and its afterheating demand

Temperature controls class: VIII



DeltaTherm® FK

Especially developed for systems with biomass boilers, water heating stoves or pellet stove heating systems



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 (HC and HC mini)
- 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 (HC and HC mini) and/or Datalogger
- User-friendliness and efficiency at an attractive price
- OEM versions on request

www.resol.com

Survey of heating controllers

Customised and OEM versions available also for small-batch series



DeltaTherm® FK



DeltaTherm® HC mini



DeltaTherm® HC

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

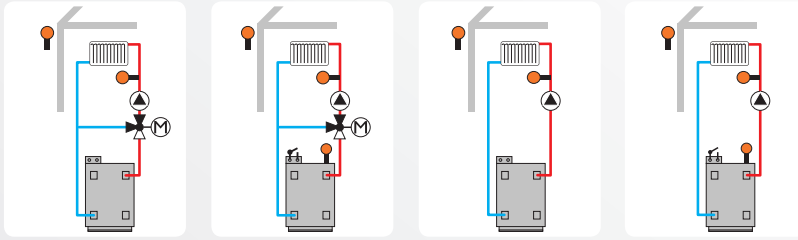
Software

Pre-configured systems	8	4	30
Mixed heating circuits	-	1	6 ¹
Mixer control weather-compensated	-	✓	✓
Mixer control with target temperature	✓	✓	✓
Operating modes	-	5	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	5
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



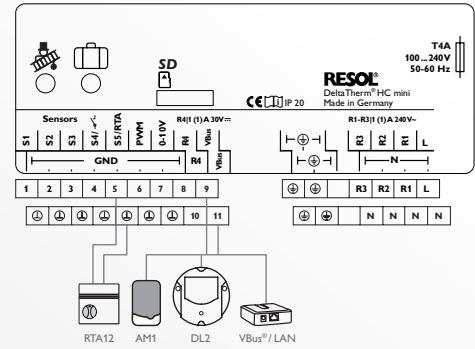
1 mixed heating circuit

1 mixed heating circuit with afterheating (demand)

1 static heating circuit

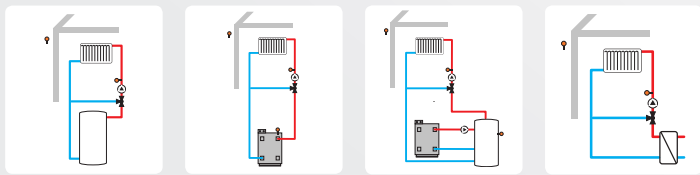
1 static heating circuit with afterheating (demand)

Electrical connection



DeltaTherm® HC

Examples



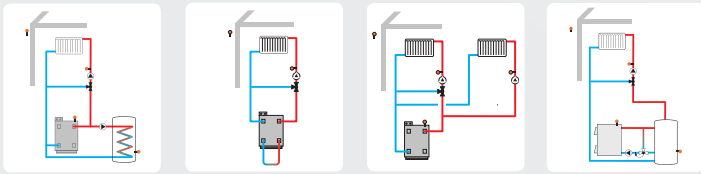
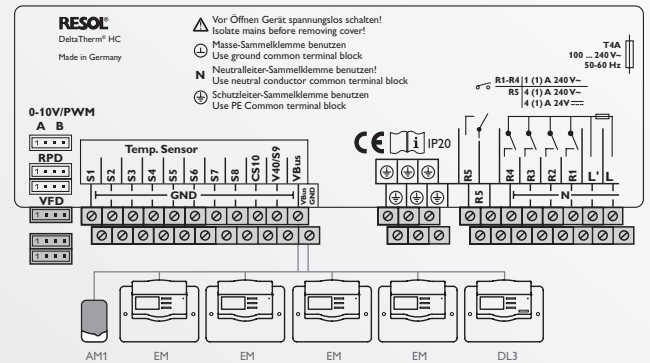
1 mixed heating circuit with external heat source (e.g. district heating)

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)

Electrical connection

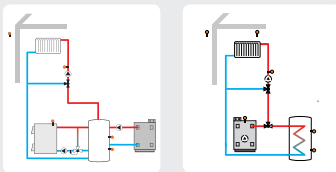


1 mixed heating circuit with DHW heating and afterheating (demand for heating circuit and DHW)

1 mixed heating circuit with external heat source (e.g. heat pump)

1 mixed and one un-mixed heating circuit with afterheating (demand)

1 mixed heating circuit with solid fuel boiler

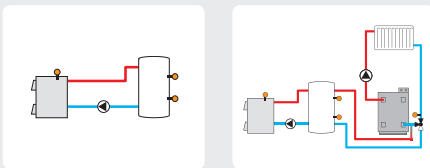


1 mixed heating circuit with solid fuel boiler and afterheating (demand)

1 mixed heating circuit with DHW heating (3-port valve)

DeltaTherm® FK

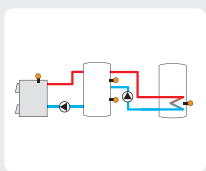
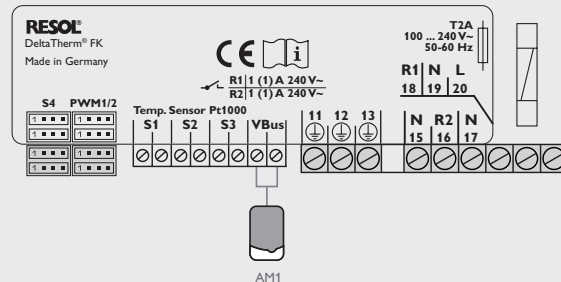
Examples



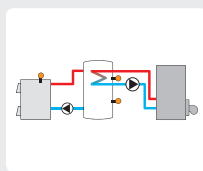
Solid fuel boiler

Solid fuel boiler with heating circuit return preheating

Electrical connection



Solid fuel boiler with heat exchange control



Solid fuel boiler with heat exchange control

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® FK

 RESOL AM1 Alarm Module Price bracket B Article no.: 180 008 70	✓	✓	✓	
 RESOL DL2 Datalogger Price bracket A Article no.: 180 008 70	 RESOL KM1 Communication Module Price bracket A Article no.: 180 011 30	✓	✓	✓
 RESOL DL3 Datalogger Price bracket A Article no.: 180 009 90	✓	✓	✓	
 RESOL SDFK Smart Display Price bracket A Article no.: 180 010 80	-	-	✓	
 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