

DeltaTherm® FK



The biomass specialist!

Suitable for high-efficiency pumps!

The **DeltaTherm® FK Solid fuel boiler controller** has been especially developed for systems with solid fuel boilers, water heating stoves or pellet stove heating systems. With the integrated PWM outputs, the FK can manage the **speed control of two high-efficiency pumps**.

With its easily **configurable optional functions**, the versatile software allows e.g. for the control of an electronic mixer for the return mixing function, a **thermostatic afterheating**, a target temperature control function and many more.

- 2 relay outputs, 4 temperature sensor inputs
- 2 PWM outputs for the speed control of high-efficiency pumps
- Control of an electronic mixer for the return mixing function
- Heating backup
- Heat exchange function
- Thermostatic afterheating

RESOL DeltaTherm® FK

Price bracket A | Article no.: **115 002 83**

RESOL DeltaTherm® FK – full kit

Incl. 3 Pt1000 sensors (1 x FKP6, 2 x FRP6)

Price bracket A | Article no.: **115 002 93**

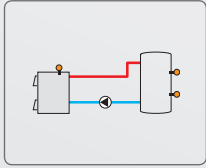
A PWM adapter cable is included with the controller.

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

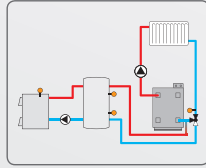
Manuals:



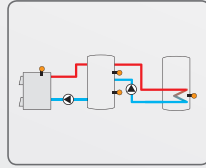
Examples



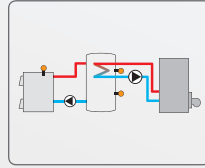
Solid fuel boiler



Solid fuel boiler with heating circuit return preheating

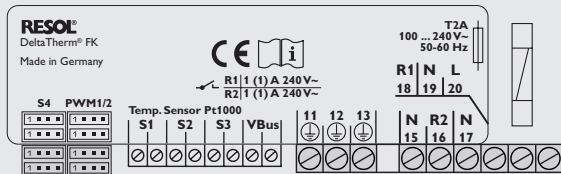


Solid fuel boiler with heat exchange control



Solid fuel boiler with heat exchange control

Electrical connection



Accessories



RESOL SDFK Smart Display
Display module with 3 displays for solid fuel boiler temperature and store temperature as well as for the pump status
Price bracket A | Article no.: **180 010 80**



RESOL sensor adapter cable
Sensor adapter cable for the connection to a JST connector
Price bracket C | Article no.: **112 041 33**



RESOL VBus®/USB interface adapter
PC connection set for RESOL controllers with VBus® incl. RESOL Service CD
Price bracket B | Article no.: **180 008 50**



RESOL VBus®/LAN interface adapter
Network connection set for RESOL controllers with VBus® incl. RESOL Service CD
Price bracket B | Article no.: **180 008 80**

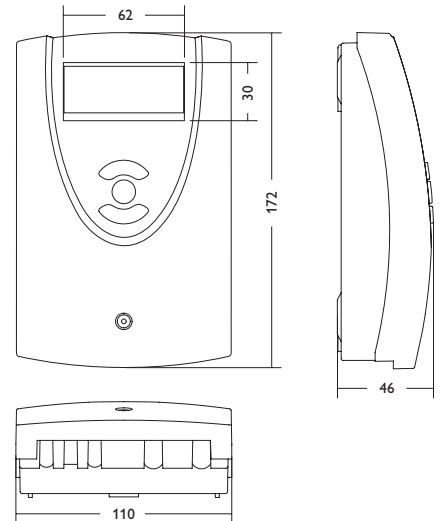


RESOL DL2 Datalogger
Datalogger incl. RESOL Service CD, SD card and LAN cable, mains adapter and VBus® cable pre-connected
Price bracket A | Article no.: **180 007 10**



RESOL AM1
Alarm module for signalling system failures
Price bracket B | Article no.: **180 008 70**

Technical data



Inputs: 4 Pt1000 temperature sensors
Outputs: 2 semiconductor relays, 2 PWM outputs
PWM frequency: 1000 Hz
PWM voltage: 10,5 V
Switching capacity:
1 (1) A 240 V~ (semiconductor relay)
Total switching capacity: 2 A 240 V~
Power supply: 100 ... 240 V~ (50 ... 60 Hz)
Supply connection: type Y attachment
Power consumption: < 1 W (standby)
Mode of operation: type 1.Y action
Rated impulse voltage: 2.5 kV
Data interface: RESOL VBus®
VBus® current supply: 35 mA
Functions: minimum and maximum temperature limitation, mixer control for the return mixing function, target temperature control, speed control, heating circuit backup, thermostatic afterheating, heat exchange, PWM pump control, operating hours counter
Housing: plastic, PC-ABS and PMMA
Mounting: wall mounting, mounting into patch panels is possible
Indication/Display: full graphic display
Operation: 3 push buttons at the front
Ingress protection: IP 20/EN 60529
Protection class: I
Ambient temperature: 0 ... 40 °C
Pollution degree: 2
Dimensions: 172 x 110 x 46 mm