

FK Solid fuel boiler controller



The solid
fuel boiler
specialist!

Suitable for high-efficiency pumps!

The **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 FK Solid fuel boiler controller

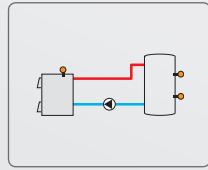
Price bracket A | Article no.: **115 002 83**

RESOL FK Solid fuel boiler controller – full kit
Incl. 3 Pt1000 sensors (1 x FKP6, 2 x FRP6)

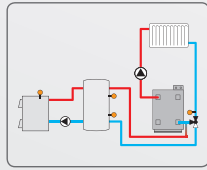
Price bracket A | Article no.: **115 002 93**

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

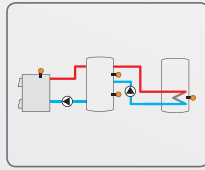
Examples



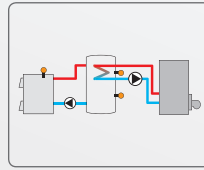
Solid fuel boiler



Solid fuel boiler with heating circuit return preheating

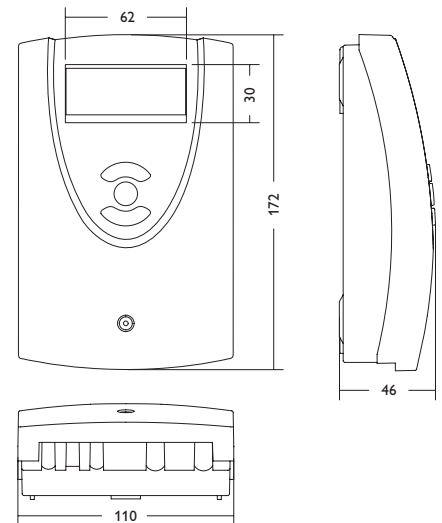


Solid fuel boiler with heat exchange control



Solid fuel boiler with heat exchange control

Technical data



Inputs: 4 Pt1000 temperature sensors

Outputs: 2 semiconductor relays, 2 PWM outputs

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

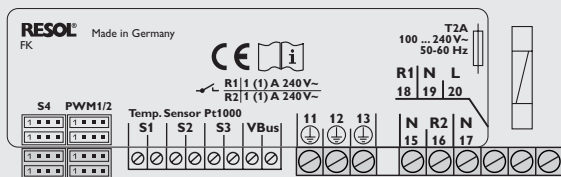
Protection class: I

Ambient temperature: 0 ... 40 °C

Pollution degree: 2

Dimensions: 172 x 110 x 46 mm

Electrical connection



Accessories



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 kit for RESOL controllers with VBus® incl. RESOL ServiceCenter Software

Price bracket B | Article no.: **180 008 50**



RESOL VBus®/LAN interface adapter

Network connection set for RESOL controllers with VBus® incl. RESOL ServiceCenter Software

Price bracket B | Article no.: **180 008 80**



RESOL Datalogger DL2

Datalogger incl. RESOL ServiceCenter Software full version ready to plug in with mains adapter and VBus®

Price bracket A | Article no.: **180 007 10**



RESOL AM1

Alarm module for signalling system failures

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