

LK 162 SmartStove®

LK Armatur



LK 162 SmartStove®



TECHNICAL DATA

Voltage	230 VAC, 50 Hz
Power consumption	3,5 VA
Relay output	Max. 240 VAC, 4 A
Triac outputs	230 VAC ± 10%, 1 A, 200 VA
High-efficiency pump	Analog output 0 -10 V, max. 10 mA PWM output 100 Hz - 2 kHz
Sensors	PT 1000
Display	TFT backlit colour display, 47 x 35 mm
Protection type	IP 20
Protection class	II



LK 162 SmartStove® is a biomass controller for multi-fuel water containing stoves with buffer tanks. The controller has a number of preset hydraulic systems for different installations.

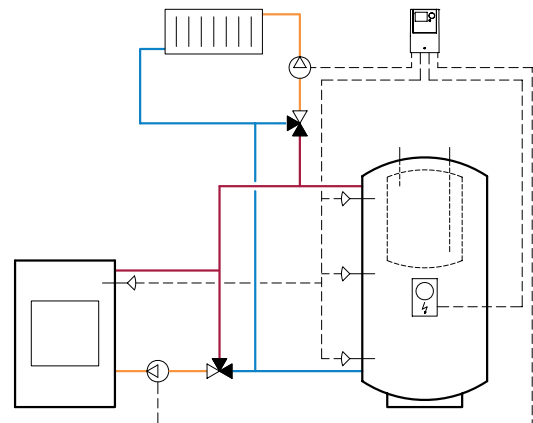
For indication of the active hydraulic system and the current temperatures in stove and buffer tank the controller is equipped with a coloured full graphics display which is permanently backlit.

LK 162 SmartStove® can control the charge pump of a loading unit, the circulator in a heating loop, high-efficiency pumps and an additional heat source.

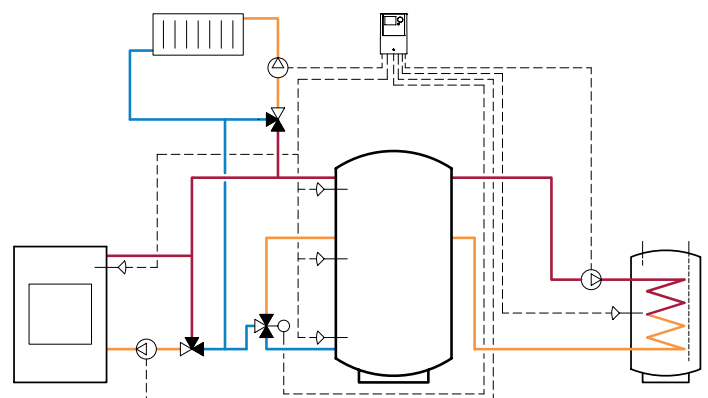
FEATURES

- Acoustic alarm and indication in the display if over temperature should occur in stove or buffer tank
- A temperature sensor in the stove controls the charge pump of the loading unit which means that no fluegas thermostat is needed
- Pump delay function. The charge pump in the loading unit does not start until the stove has reached a certain temperature. This saves energy, prevents tarring and considerably prolongs the life-time of the stove
- Dynamic pump control can be activated when the loading unit is equipped with a speed-controlled pump. The pumpcontrol keeps the flow at a constant temperature
- Economy or comfort mode can be selected to optimize energy efficiency in the potable hot water boiler and/or in the heating system
- Controls an additional heat source
- Delay function for the additional heat source
- 7 hydraulic systems which can be mirrored
- 2 outputs for speed-controlled pumps with PWM and/ or analogue signal
- 6 terminals for temperature sensors
- 1 floating change-over contact
- SD card slot for data logging and software update
- USB for PC connection
- Legionella prevention
- Pump exercise
- Freeze protection

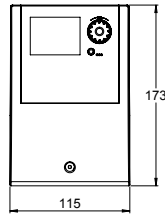
HYDRAULIC SYSTEM



HYDRAULIC SYSTEM



LK 162 SmartStove®



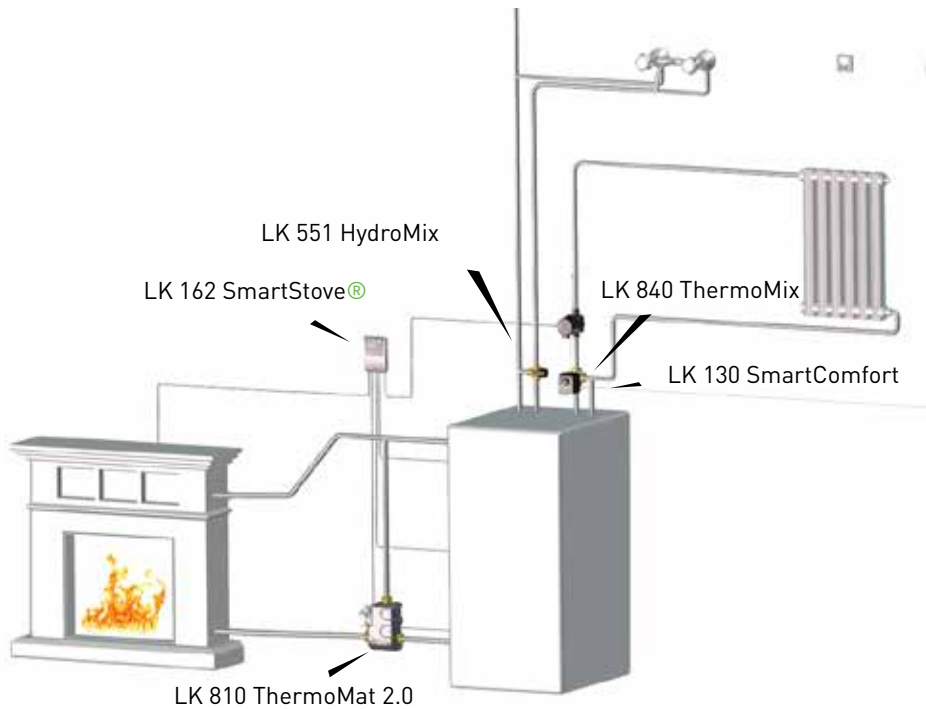
Article no.	Article	Weight kg
181708	LK 162 SmartStove®	0.7

Four sensors included (PT 1000 - 4 m cable).

SPARE PARTS AND ACCESSORIES



Article no.	Article	Position
181186	Tank sensor PT 1000 Ø 6 mm - 4 m cable	1
180812	Sensor pocket 150 mm	2
025039	Micro SD Card 2 GB	3



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FOR THE SIMPLER, SMARTER EVERYDAY

Simpler. Smarter. More sustainable. At LK, we believe there's a better way to do everything. It's a belief all of us at LK apply to every product and solution we create – from water, heating and hydronic solutions to pipe extrusion.

Our **LK Armatur** business area is a leader in Europe, producing millions of valves per year for the global HVAC market. Beyond individual products, we understand how all parts interact in your complete application. From standard to sophisticated customizations of valves, controllers, components and prefabricated units, our full-spectrum expertise makes it easy to get the results you need today, while anticipating your needs tomorrow.

