



## RWF5x – the new family of universal boiler controllers

### Highlights

- Two displays and LED symbols show the burner's current operating state
- Easy-to-understand operating structure
- USB interface for ACS411 software
- RWF55 with Modbus or optional Profibus communication capability
- Heating/cooling function
- Straightforward adjustment of weather compensation
- PID control including self-optimization

The range of RWF5x boiler controllers are used primarily for the control of temperature and pressure in oil- or gas-fired heat generation plants. The new controllers are the optimized successors to the RWF40, which have proven their worth over many years.

The RWF5x are compact 3-position step controllers without position feedback, or modulating controllers acting on the burner. The inputs and outputs are capable of handling all types of standard signals. Owing to the use of a USB interface and the PC software ACS411, parameterization or fault analyses can be made on site. Modbus and optional Profibus communication capability round off the product range. An integrated heat threshold function reduces the number of switching cycles, thus extending the controller's service life and offering considerable energy cost savings.

### Technical data (extract)

For further information, see user documentation 7866/7867.

	RWF50	RWF55
Dimensions	48 x 48 mm	96 x 48 mm
Mains voltage	AC 100 ... 240 V	
Degree of protection	Front IP66	
USB interface	x	x
Permissible ambient temperature	-20 ... 50 °C	

PC software tool ACS411



The PC software ACS411 supports via the USB interface operation and parameterization of specific controller functions, including parameters and status of inputs and outputs.

Standards and certificates (extract)



- Conformity to EC directives
- Electromagnetic compatibility EMC (immunity) 2004/108/EC
- Low-voltage directive 2006/95/EC



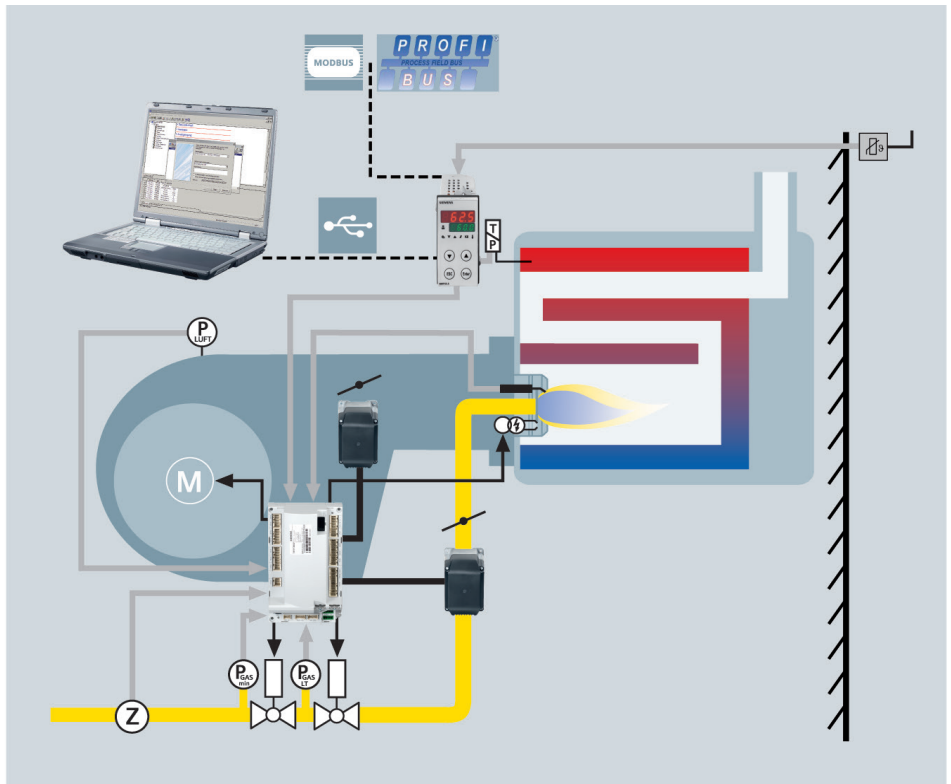
ISO 9001: 2010  
ISO 14001: 2010










Siemens AG  
Building Technologies Division  
Control Products & Systems  
Berliner Ring 23  
76437 Rastatt  
Germany  
Tel +49 7222 598 112  
Fax +49 7222 598 9 112

www.siemens.com/buildingtechnologies-oem

Overview of the LMV2/3 system with RWF5x universal controller



Product overview

	RWF50.2 (RWF50.3) 	RWF55 
Dimensions	48 x 48 mm	48 x 96 mm
Degree of protection	IP66	IP66
Analog input	1	3
Digital input	1	2
Analog output	0 (1)	1
Digital output	3 (1)	4
Front LEDs	4	7
Communication	-	optional  
Software tool	ACS411 via 	ACS411 via 
Heating/cooling 	X	X
Ramp function	X	X