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RWF5x

the universal boiler controllers family.

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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	

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

RWF5x – powerful and compact

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.

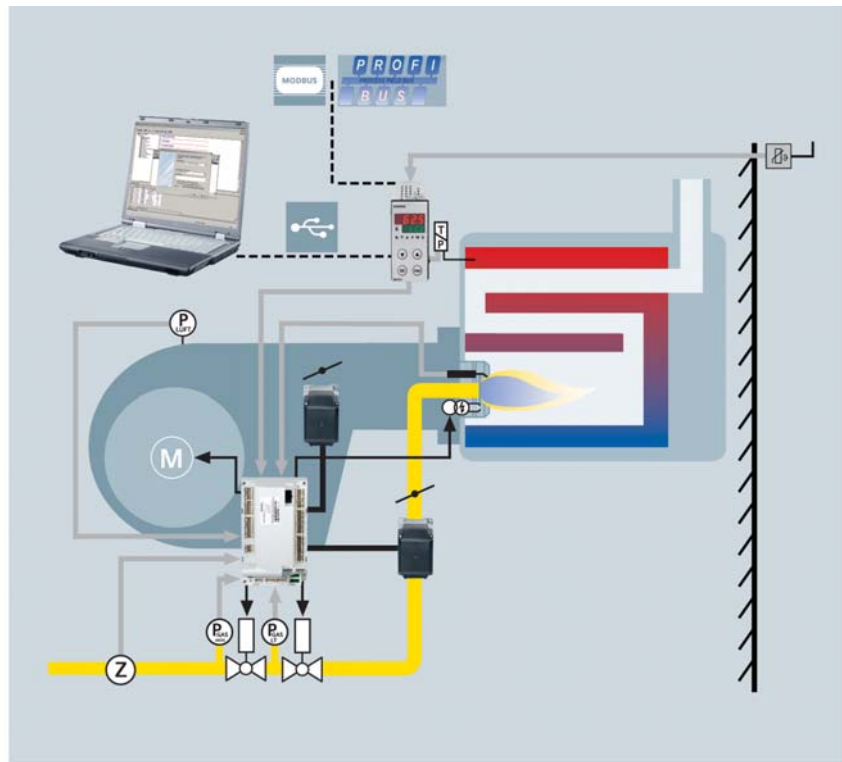


Figure: Overview of the LMV2/3 system with RWF5x universal controller

Standards and certificates (extract)



Conformity to EC directives

- Electromagnetic compatibility EMC (immunity) 2014/30/EC
- Low-voltage directive 2014/35/EC



ISO 9001: 2015
ISO 14001: 2015



	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	-	MODBUS optional PROFINET
Software tool	ACS411 via	ACS411 via
Heating/cooling	x	x
Ramp function	x	x

Table: Product overview

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