



**Jürgen Schlösser
Armaturen**

ROOM CONTROL **BLUE LINE**





Tradition and Ideas

Established in 1996, Jürgen Schlösser Armaturen GmbH soon asserted itself as a reliable and innovative partner in the heating industry. Know-how and experience form the basis for our products.

In cooperation with our national and international customers, we are developing innovative and sound product solutions for many areas of the fittings industry. Our high-quality fittings and components for heating technology are examples of this.

Our goal is the highest possible customer satisfaction. We achieve this through our innovative products and their continuous quality improvement. Because quality is our benchmark.

In addition to our headquarters in Germany, we have branch offices in France and Romania.

As a matter of course, our principles and standards also include quality assurance. The exclusive use of raw materials and materials, which we buy from certified suppliers and which are subject to constant quality control, guarantee our high quality standard.

The continuous improvement of our production processes has led to the high standard of the products of Jürgen Schlösser Armaturen GmbH, which today is synonymous with fittings of the highest class.

A dedicated team for your comfort and pleasure.





Room Thermostat for Fan Coil unit systems

Basic features:

- For air-conditioning Fan Coil unit systems
- Heating / Cooling
- Non programmable
- Room temperature setting
- Manual or auto 3-speed changeover
- Antifreezing
- White backlight



Blue Line - Room thermostat for Fan Coil

Item Number	Type	Description	Weight	EAN Code	Price/pcs
9405 9110 510	HL 2023 DA2-L	Valve: on/off Fan: on	140 g	42604 7795 2424	
9405 9110 511	HL 2023 DB2-L	Valve: on/off Fan: on/off	140 g	42604 7795 5364	

HL 2023 DA2-L: Control 3-wire valve. When the temperature reaches the set-point, it will close the valve with the fan still running.

HL 2023 DB2-L: Control 3-wire valve. When the temperature reaches the set-point, it will close both the valve and fan.

Display	LCD
Mounting type	Flush mounting
Frost Protection	Yes
Sensing element	NTC
Max Switching Current	2 A
Accuracy	+/- 1°C
Set-point range	5°C to 35°C
Display range	0 ~ 55°C
Key	soft touch
Rated power	<1 W
Operating voltage	230 VAC
Overall dimensions	87 x 87 x 16 mm (on the wall) 45 x 60 x 25 mm (in the flush mounting box) (L x H x D)



Room Thermostat Programmable JSA RT-B100P

Basic features:

- Heating
- Programmable
- Room temperature setting
- 4 period programming, 5/2 days
- Clock, timer on/off
- Auto recovery
- Antifreezing
- Blue backlight



Blue Line - Room thermostat JSA RT-B100P

Item Number	Type	Weight	EAN Code	Price/pcs
9405 9110 506	Programable	140 g	42601 7547 8950	

Display	LCD
Mounting type	Flush mounting
Non-Programmable Mode	Yes
5/2 Day Programming Mode	Yes
Number of Heating Levels	4
Frost Protection	Yes
Sensing element	NTC
Max Switching Current	2 A
Accuracy	+/- 1°C
Operating voltage	230 VAC
Installed Dimensions	85 x 85 x 15 mm (L x H x D)

Room Thermostat Analogue



Basic features:

- Heating, fixed reduction temperature, reduction input, target value calibration, antifreeze function
- Target value limitation: minimum and maximum adjustable room temperature by mechanical limitation
- Set value calibration: ± 2 K

Room temperature can be set via a rotary control. A set value calibration as well as a limitation of the setting range are also possible.

Blue Line - Room thermostat Analogue

Item Number	Type	Voltage	Heating/ Cooling	EAN Code	Price/pcs
9405 9110 507	Analogue	230 V	Yes / No	42604 7795 0604	
9405 9118 507	Analogue	24 V	Yes / No	42604 7795 1793	
9405 9110 517	Analogue HK	230 V	Yes / Yes	42604 7795 1618	
9405 9118 517	Analogue HK	24 V	Yes / Yes	42604 7795 1809	

	Analogue		Analogue HK	
Operating voltage	230 V	24 V	230 V	24 V
Type	Wired	Wired	Wired	Wired
Heating	x	x	x	x
Cooling			x	x
Cooling block			x	x
Change-over input			x	x
Reduction input	x	x	x	x
Fixed setback difference	x	x	x	x
Set value calibration	x	x	x	x
Valve protection function			x	x
Antifreeze function	x	x	x	x
Switching element	Relay	Triac	Relay	Triac
Max. number of connectible actuators	10	5	10	5
Control direction of actuators to be connected	NC			
Target temperature setting range	10°C to 28°C			
Target temperature resolution	0,25°C			
Measuring accuracy of internal NTC	$\pm 0,5$ K			
Set value calibration	± 2 K			
Type of installation	On-surface wall instalation			
Weight	90 g			
Dimensions (W x H x D)	86 x 86x x29 mm			



Room Thermostat Display

Basic features:

- Heating, fixed setback difference, reduction input
- Selectable operating mode: day/night/automatic
- Correction of actual temperature registration
- Target temperature limitation
- Valve protection function
- Antifreeze function

Room temperature can be set via a rotary control with rotary-push action. The display always clearly indicates all symbols.



White

Blue Line - Room thermostat Display

Item Number	Type	Version	Voltage	Heating/ Cooling	EAN Code	Price/pcs
9405 9110 508	Standard	White	230 V	Yes / No	42604 7795 0598	
9405 9110 509	Standard	Design	230 V	Yes / No	42604 7795 0628	
9405 9118 508	Standard	White	24 V	Yes / No	42604 7795 1816	
9405 9118 509	Standard	Design	24 V	Yes / No	42604 7795 1823	
9405 9110 518	Comfort	White	230 V	Yes / Yes	42604 7795 1625	
9405 9110 519	Comfort	Design	230 V	Yes / Yes	42604 7795 1632	
9405 9118 518	Comfort	White	24 V	Yes / Yes	42604 7795 1830	
9405 9118 519	Comfort	Design	24 V	Yes / Yes	42604 7795 1847	



Design

	Standard				Comfort			
Operating voltage	230 V		24 V		230 V		24 V	
Appearance	White	Design	White	Design	White	Design	White	Design
Type	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired
Heating	x	x	x	x	x	x	x	x
Cooling					x	x	x	x
Change-over of control direction normally closed (NC) / normally open (NO)					x	x	x	x
Fixed setback difference	x	x	x	x				
Adjustable target temperature for heating and cooling					x	x	x	x
Selectable operating mode: Day/night/automatic operation	x	x	x	x	x	x	x	x
Cooling block					x	x	x	x
Reduction input	x	x	x	x	x	x	x	x
Change-over input					x	x	x	x
Correction of actual temperature registration	x	x	x	x	x	x	x	x
Target temperature limitation	x	x	x	x	x	x	x	x
Valve protection function	x	x	x	x	x	x	x	x
Antifreeze function	x	x	x	x	x	x	x	x
Selectable heating system					x	x	x	x
Switching output can be deactivated	x	x	x	x	x	x	x	x
Background illumination	optional				x			
Switching element	Relay		Triac		Relay		Triac	
Max. number of connectible actuators	5 (max. 3 W / actuator)							
Control direction of actuators to be connected	NC				NC / NO			
Target temperature setting range	5 to 30°C							
Target temperature resolution	0,2°C							
Correction of actual temperature registration	± 2 °C							
Measuring accuracy of actual temperature	± 0,5 K between 17 and 24 °C							
Type of installation	On-surface wall installation							
Weight	105 g							
Dimensions (W x H x D)	86 x 86 x 31 mm							



Control Unit

The **Blue Line controller** task is to control a floor central heating system.

Operating voltage:	230 V or 24 V
Actuators:	6 heating zones: max. 15 10 heating zones: max. 21
Nominal load of all actuators:	max. 24 W
Pump/boiler control	
- Turn-on delay:	2 min
- Follow-up time fixed/adjustable:	2 min
Pump protection function:	14 days for 1 minute

Blue Line Control units

Item Number	Type	Zones	Voltage	Pump / Boiler output	Heating/ Cooling	EAN Code	Price/pcs
9408 9110 605	Standard	6	230V / 24V	No / No	Yes / No	42604 7795 0406	
9408 9110 606	Standard	10	230V / 24V	No / No	Yes / No	42604 7795 0413	
9408 9110 608	Standard plus	6	230 V	Yes / No	Yes / Yes	42604 7795 0420	
9408 9118 608	Standard plus	6	24 V	Yes / No	Yes / Yes	42604 7795 1854	
9408 9110 609	Standard plus	10	230 V	Yes / No	Yes / Yes	42604 7795 0581	
9408 9118 609	Standard plus	10	24 V	Yes / No	Yes / Yes	42604 7795 1861	
9408 9110 610	Comfort	6	230 V	Yes / Yes	Yes / Yes	42604 7795 1090	
9408 9118 610	Comfort	6	24 V	Yes / Yes	Yes / Yes	42604 7795 1878	
9408 9110 611	Comfort	10	230 V	Yes / Yes	Yes / Yes	42604 7795 1106	
9408 9118 611	Comfort	10	24 V	Yes / Yes	Yes / Yes	42604 7795 1885	



	Standard		Standard plus				Comfort			
Operating voltage	230 V / 24 v		230 V	24 V	230 V	24 V	230 V	24 V	230 V	24 V
Zones	6	10	6		10		6		10	
Type	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired
Protective conductor intermediate connection			x		x		x		x	
Mains through clamp for pump/boiler circuit			x		x		x		x	
Mains through clamp for dew point sensor				x		x		x		x
Extended pump/boiler control – follow-up time configurable							x	x	x	x
Simple pump control			x	x	x	x				
Signal input for temperature limiter or dew point sensor			x	x	x	x	x	x	x	x
Reduction channel - connection for an external system clock	x	x	x	x	x	x	x	x	x	x
Change-over connection Signal for heating/cooling			x	x	x	x	x	x	x	x
Timer module - casing cover with integrated system clock							Optional			
Control direction normally closed (NC) / normally open (NO)	NC/NO		NC (without pump control also NO)				Selectable			
Function signalling by LEDs							x			
Voltage supply	24 V : system transformer with Euro connector / external voltage source 230 V : Euro connector / external voltage source									
Max. power consumption (without pump / boiler consumer)	24 V : max. 36 VA 230 V : max. 50 VA									
Max. number of thermostats	6	10	6		10		6		10	
Max. number of connection terminals for actuators	15	21	15		21		15		21	
Max. nominal load of all actuators	24 V : 24 W 230 V : --									
Temperature limiter or dew point sensor	Potential free break contact, switchable, 24 V/230 V, 8 A									
Weight	410 g	424 g	428 g		448 g		442 g		466 g	
Dimensions (H x L x D)	90 x 326 x 52 mm									



Actuators

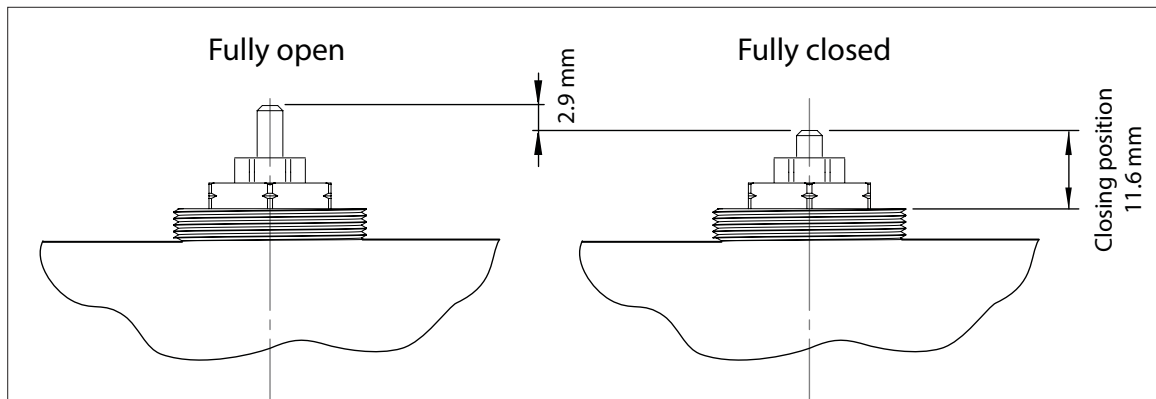
The **Blue Line Electrothermic Actuator** is a device for opening and closing of circuits in surface heating and cooling systems, as well as radiator installations.

Due to its new design and technology, opening /closing, installation and maintenance is greatly simplified. The valve can be opened manually at any time and thus flow can be realized.

The best of all: an electrical connection is not necessary for it.

Versions	NC = Normally Closed
Voltage	standard: 230 V AC +10%...-10% (50 Hz - 60 Hz), by request: 24V AC/DC, +20%...-10% (0Hz-60Hz)
Maximum operating power	1,2 W
Operating current	5mA at 230V; 50mA at 24V
Max. inrush current	300 mA at 230V, 470 mA at 24V
Closing- and opening time	ca. 240 sec.
Stroke	4,5 mm
Force	100 N
Fluid temperature	max. 100°C
Storage temperature	-25°C to +60°C
Ambient temperature	max. 60 °C
Degree / Class of Protection	IP 54
CE-conformity	according to EN 60730
Connection cable / length	PVC, 2x0,75 mm ² , Length 0,8 m, White
Connection cable / length on request	1,5 m; 2,0 m; 3,0 m
Adaptation	M30x1,5; M28x1,5 different closing points upon request
Overall width	39 mm
Housing color	white, light grey Rotating knob for manual operation at any time Easy installation and maintenance





Actuator Fix-Drive with manual valve operation

Item Number	Voltage	Colour	Adaptation	EAN Code	Price/pcs
9400 9800 001	230 V	Grey	M 30x1,5	42604 7795 2530	
9400 9800 002	24 V	Grey	M 30x1,5	42604 7795 2547	
9400 9805 001	230 V	Blue	M 30x1,5	42604 7795 4220	
9400 9805 002	24 V	Blue	M 30x1,5	42604 7795 4237	





ROOM CONTROL
BLUE LINE

HVAC PRODUCTS
BASE LINE



THERMOSTATIC VALVES
DESIGN LINE

FITTINGS AND ACCESSORIES
MANIFOLD LINE



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