SIEMENS

Albatros2

Controller, HMI and accessories

Range Description

CE1S2359en
2019-04-02

Building Technologies

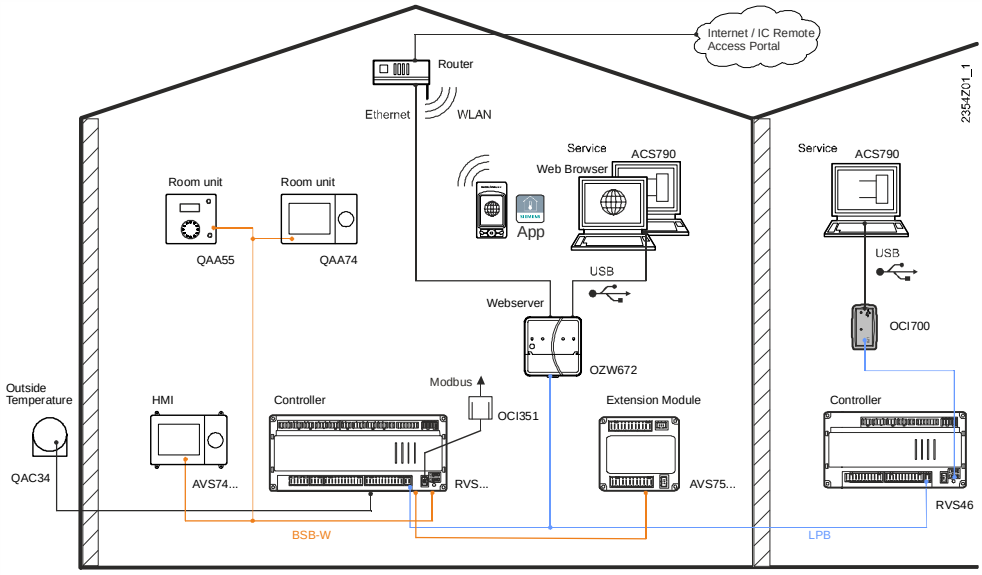
ПРОМЭЛЕКТРОНИКА / sales@prom-elec.com

Albatros2 product range

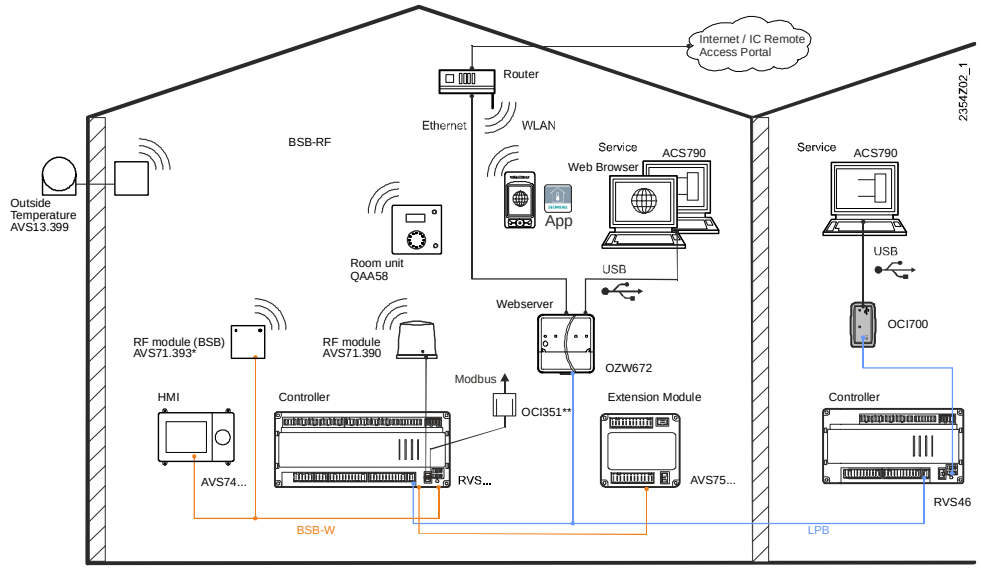
Albatros2, or:

- Intelligent control functions for the highest level of energy efficiency.
- Complete product range for all tasks in the heating segment.
- Scalable, modular concept for simple to complex plants.
- Modern communications and visualization.
- Peripheral devices featuring RF or wired communications.

Wired



Wireless



* RF module and RF Module BSB as alternatives only.

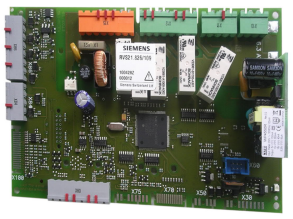
** RF module and OCI351.01 as alternatives only.

Controllers

	RVS21.826	RVS61.843	LMS14/15	RVS43.345	RVS46.530	RVS46.543
Heat pump	■	■				
Two-stage heat pumps		■				
Boilers			■	■		
2-stage burner/modulating burner (3-point)				■		
Modulating fan (PWM output)			■			
Combustion optimization Sitherm Pro (LMS15 only)			■			
Residential controlled mechanical ventilation	■	■				
Supplementary source	■	■		■		
Solar integration	■	■	■	■		■
Buffer, swimming pool	■	■	■	■		
Modulating solar pump	■	■	■	■		
Solid fuel boiler integration	■	■	■	■		
Cascade	■	■	■	■		
Heating circuit control	■	■	■	■	■	■
Cooling circuit control	■	■		■	■	■
DHW control	■	■	■	■		■
Instantaneous DHW heater (down stream of storage tank)	■	■	■			■
Buffer storage tank	■	■	■	■		
LPB	■*	■	■*	■	■	■
Modbus	■**	■**	■**	■**		

* with LPB-Clip-in OCI345.06

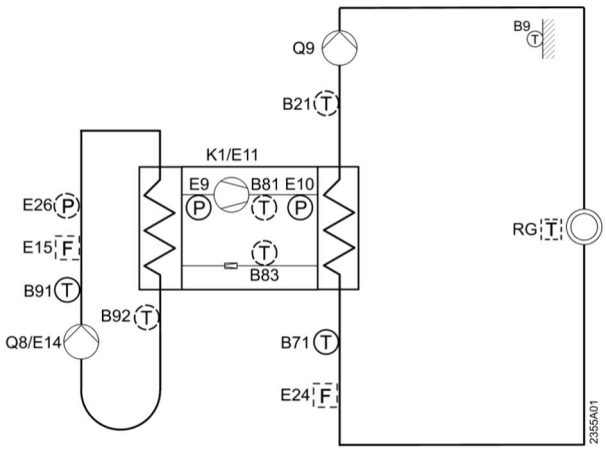
** with Modbus-Clip-in OCI351.01

ALBATROS2 HEATPUMPCONTROLLER, PCB			RVS21.826	
Inputs, number		**Outputs, number**		
Mains	4 EX	Relay	5 QX	
Sensor	4 BX	Digital	3 fixed at X75	
Digital-/0..10V	4 (2 fixed at X75, 2 HX)	Triac	1 ZX	
		0..10V/PWM	3 UX	
		5/12V act. sensors	1 GX	

Connection to	**Designation**	**With/on**	**Designation**
Operator units	AVS37, AVS74	Ribbon cable	AVS82.490/109, ...491/109
Extension modules	AVSx5.39x, AVS75.370 (max. 3 module)	Ribbon cable	AVS82.490/109, ...491/109
I/O modules	AVS55.19x (max. 1 module)	Ribbon cable	AVS82.496/109
Service tool	OCI700.1 (including ACS790)	"BSB" slot	Cable included in delivery
Radio module	AVS71.390 (for BSB-RF)	"X60" slot	Cable included in delivery
BSB devices	e.g. room units QAAxx	CL-, CL+ to "X86"	
LPB devices	RVS is a cascade or zone controller	LPB clip-in	OCI345.06/101
Modbus devices	RVS is a Modbus slave or master	Modbus clip-in	OCI351.01
Various plugs	AGP5S...		

Power	Voltage	230 V ~, 50/60 Hz
IP class	as per EN 60529	IP 00 (no housing)
Climatic conditions (operation)	As per EN 60721-3-3	class 3K5, -20...50 °C (non-condensing)
Dimensions	Length x Width x Height	185 x 115 x 42 mm
Weight	Excl. packaging	193 g
Packaging unit	includes	24 pcs.

User Manual	CE1U2355en_04x
Plant diagram	• Selection of 17 preset diagrams of complete plants. • Compilation of partial diagrams as per CE1P2359_20.
Examples	Plant diagram 1: Brine-to-water heat pump with pump heating circuit.



EX1	Low-pressure switch E9
EX2	High-pressure switch E10
QX3	Compressor stage 1 K1
QX5	Condenser pump Q9
ZX6	Source pump Q8/Fan K19
BX1	Source inlet B91
BX2	HP flow sensor B21
BX3	HP return sensor B71
BX4	Outside sensor B9

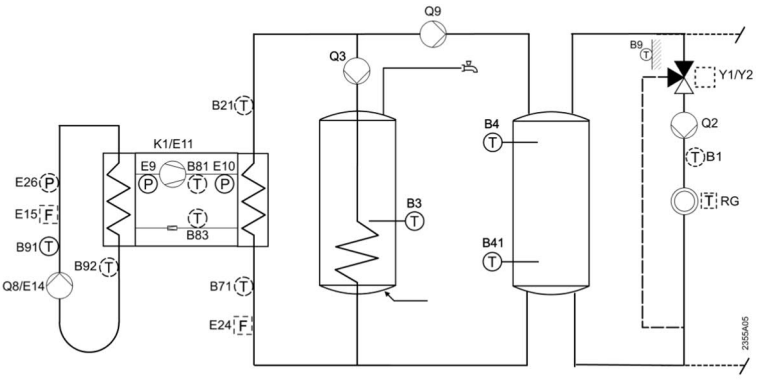
ALBATROS2 HEATPUMP CONTROLLER			RVS61.843 (as of series C)
Inputs, number		**Outputs, number**	
Mains	10 EX	Relay	12 QX
Sensor	11 BX	Triac	1 ZX
Digital-/0..10V	2 HX	0..10V/PWM	2 UX



Connection to	**Designation**	**With/on**	**Designation**
Operator units	AVS37, AVS74	Ribbon cable	AVS82.490/109, ...491/109
Extension modules	AVSx5.39x (max. 3 modules)	Ribbon cable	AVS82.490/109, ...491/109
Service tool	OCI700.1 (including ACS790)	"BSB" slot	Cable included in delivery
Radio module	AVS71.390 (for BSB-RF)	"X60" slot	
BSB devices	e.g. room units QAAxx	Terminals CL-, CL+	
Service tool	OCI700.1 (including ACS790)	"LPB" slot	Cable included in delivery
LPB devices	RVS is a cascade or zone controller	Terminals MB, DB	
Modbus devices	RVS is a Modbus slave or master	Modbus clip-in	OCI351.01
Various plugs	AGP4S..., AGP8S...		

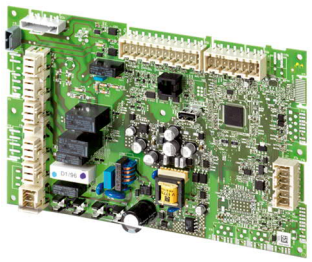
Power	Voltage	230 V ~, 50/60 Hz
IP class	as per EN 60529	IP 00
Climatic conditions (operation)	As per EN 60721-3-3	class 3K5, -20...50 °C (non-condensing)
Dimensions	Length x Width x Height	281 x 121 x 70 mm
Weight	Excl. packaging	650 g
Packaging units	Contents	1 piece or 20 pieces

User Manual	CE1U2355en_05x
Plant diagram	• Selection of 24 preset diagrams of complete plants. • Compilation of partial diagrams as per CE1P2359_20.
Examples	Plant diagram 5: Brine-to-water heat pump with buffer storage tank, DHW storage tank with charging pump Q3, and mixing or pump heating circuit.



BX1	Buffer storage tank sensor B4
BX2	Buffer storage tank sensor B41
BX7	Hot-gas sensor B81
BX8	DHW sensor B3
BX9	Outside sensor B9
BX10	HP flow sensor B21
BX11	B1
BX12	HP return sensor B71
BX13	Source inlet sensor B91
	etc.

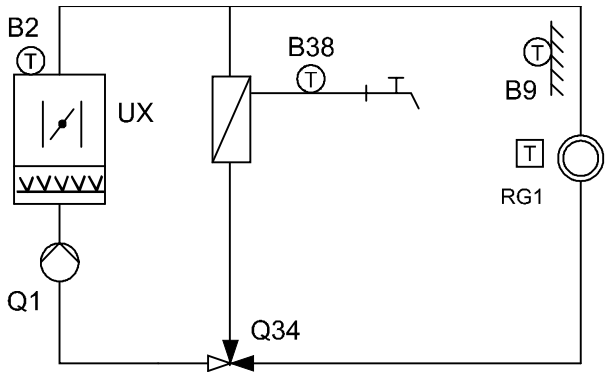
ALBATROS2 BOILER MANAGEMENT UNIT, PCB		LMS14/15 (as of R6.3)	
Inputs, number		**Outputs, number**	
Mains	1 fix (STB)	Relay	3 QX
Sensor	7 (3 fix, 4 BX)	Stepping motor	1 QX
Digital-/0..10V/Frequency	6 HX	PWM	1 PX



Connection to	**Designation**	**With/on**	**Designation**
Operator units	AVS37, AVS74	Ribbon cable	AVS82.490/109, ...491/109
Extension modules	AVSx5.39x, AGU2.55x (max. 3 modules)	Ribbon cable	AVS82.490/109, ...491/109 AGU2.110A109
Service tool	OCI700.1 (including ACS790)	"BSB,LPB" slot	Cable included in delivery
Radio module	AVS71.390 (for BSB-RF)	"X60" slot	
BSB devices	e.g. room units QAAxx	Terminals CL-, CL+	
Lab tool	OCI430 (including ACS420)	"X13" slot	Cable included in delivery
Parameter stick	AGU2.56x	"X12" slot	Docking station for programming OCI432
LPB devices	LMS is a cascade or zone controller	LPB clip-in	OCI345.06/101
Modbus devices	LMS is a Modbus slave	Modbus clip-in	OCI351.01
Various plugs	AGP4S..., AGP8S...		

Power	Voltage	230 V ~, 50 Hz; 115 V ~, 60 Hz
IP class	as per EN 60529	IP 00
Climatic conditions (operation)	As per EN 60721-3-3	Class 3K5, 0...60 °C (non-condensing)
Dimensions	Length x Width x Height	203 x 150 x 30 mm
Weight	Excl. packaging	254 g
Packaging unit	includes	24 pcs.

User Manual	CC1U7471en
Plant diagram	Compilation of partial diagrams as per CE1P2359_30.
Examples	Partial diagrams OeG12 and TWWDl6 and Rh1



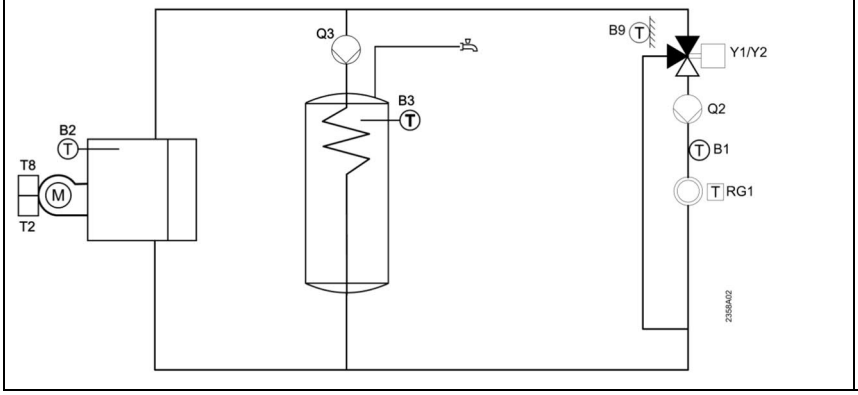
OeG12 TWWDl6 Rh1	B2, Q1 B38, Q34 (+ 1 configuration) 1 configuration

ALBATROS2 BOILER CONTROLLER			RVS43.345 (as of series C)	
Inputs, number		**Outputs, number**		
Mains	4 (3 fix, 1 EX)	Mains	1 fix	
Sensor	6 (2 fix, 4 BX)	Relay	5 QX	
Digital-/0..10V	2 HX	5/12V act. sensors	1 GX	
		PWM	1 fix	

Connection to	**Designation**	**With/on**	**Designation**
Operator units	AVS37, AVS74	Ribbon cable	AVS82.490/109, ...491/109
Extension modules	AVSx5.39x (max. 3 modules)	Ribbon cable	AVS82.490/109, ...491/109
Service tool	OCI700.1 (including ACS790)	"BSB" slot	Cable included in delivery
Radio module	AVS71.390 (for BSB-RF)	X60 slot	Cable included in delivery
BSB devices	e.g. room units QAAxx	Terminals CL-, CL+	
Service tool	OCI700.1 (including ACS790)	"LPB" slot	Cable included in delivery
LPB devices	RVS is a cascade or zone controller	Terminals MB, DB	
Modbus devices	RVS is a Modbus slave	Modbus clip-in	OCI351.01
Various plugs	AGP4S..., AGP8S...		

Power	Voltage	230 V ~, 50/60 Hz
IP class	as per EN 60529	IP 00
Climatic conditions (operation)	As per EN 60721-3-3	Class 3K5, -20...50 °C (non-condensing)
Dimensions	Length x Width x Height	181 x 121 x 52 mm
Weight	Excl. packaging	400 g
Packaging unit	includes	20 pieces

User Manual	CE1U2354en_02x
Plant diagram	Compilation of partial diagrams as per CE1P2359_30.
Examples	Partial diagrams OeG2 and TWWSp4 and Rh3

	OeG2 TWWSp4 Rh3	B2 (+ 1 configuration) B3, Q3 (+ 2 configurations) 2 configurations

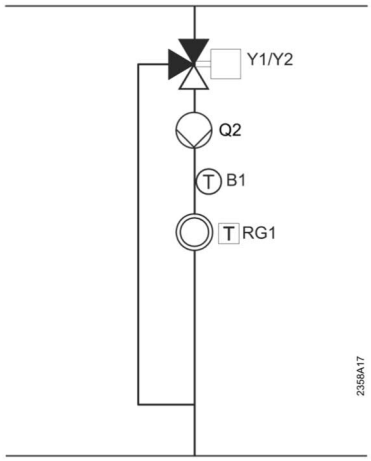
ALBATROS2 ZONE CONTROLLER			RVS46.530
Inputs, number		**Outputs, number**	
Sensor	2 fixed	Relay	3 fix
Digital-/0..10V	1 HX		



Connection to	**Designation**	**With/on**	**Designation**
Operator units	AVS37, AVS74	Ribbon cable	AVS82.490/109, ...491/109
Extension modules	AVSx5.39x (max. 2 modules)	Ribbon cable	AVS82.490/109, ...491/109
Service tool	OCI700.1 (including ACS790)	"BSB" slot	Cable included in delivery
Radio module	AVS71.390 (for BSB-RF)	X60 slot	Cable included in delivery
BSB devices	e.g. room units QAAxx	Terminals CL-, CL+	
Service tool	OCI700.1 (including ACS790)	"LPB" slot	Cable included in delivery
LPB devices	RVS is a generation or zone controller	Terminals MB, DB	
Various plugs	AGP4S..., AGP8S...		

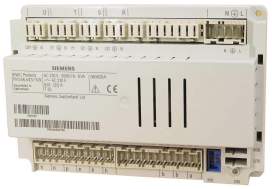
Power	Voltage	AC 230 V ~, 50/60 Hz
IP class	as per EN 60529	IP 00
Climatic conditions (operation)	As per EN 60721-3-3	Class 3K5, -20...50 °C (non-condensing)
Dimensions	Length x Width x Height	109 x 121 x 52 mm
Weight	Excl. packaging	431 g
Packaging units	Contents	1 piece or 20 pieces

User Manual	CE1U2353en_01, CE1U2353en_01a
Plant diagram	Compilation of partial diagrams as per CE1P2359_20, 30.
Examples	Partial diagram Rh3



Rh3	1 configuration	

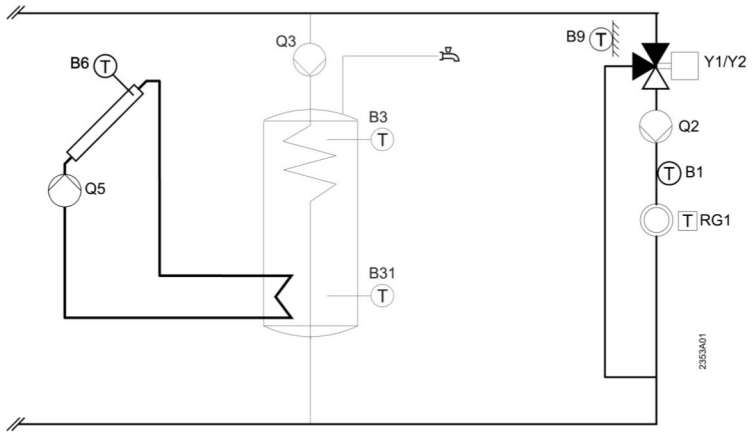
ALBATROS2 ZONE CONTROLLER			RVS46.543
Inputs, number		**Outputs, number**	
Sensor	5 (3 fix, 4 BX)	Relay	5 (4 fix, 1 QX)
Digital-/0..10V	1 HX		



Connection to	**Designation**	**With/on**	**Designation**
Operator units	AVS37, AVS74	Ribbon cable	AVS82.490/109, ...491/109
Extension modules	AVSx5.39x (max. **2** modules)	Ribbon cable	AVS82.490/109, ...491/109
Service tool	OCI700.1 (including ACS790)	"BSB" slot	Cable included in delivery
Radio module	AVS71.390 (for BSB-RF)	X60 slot	Cable included in delivery
BSB devices	e.g. room units QAAxx	Terminals CL-, CL+	
Service tool	OCI700.1 (including ACS790)	"LPB" slot	Cable included in delivery
LPB devices	RVS is a generation or zone controller	Terminals MB, DB	
Various plugs	AGP4S..., AGP8S...		

Power	Voltage	230 V ~, 50/60 Hz
IP class	as per EN 60529	IP 00
Climatic conditions (operation)	As per EN 60721-3-3	Class 3K5, -20...50 °C (non-condensing)
Dimensions	Length x Width x Height	181 x 121 x 52 mm
Weight	Excl. packaging	587 g
Packaging unit	includes	1 pc.

User Manual	CE1U2353en_01, CE1U2353en_01a
Plant diagram	Compilation of partial diagrams as per CE1P2359_20, 30.
Examples	Partial diagrams Sol1 and TWWSp5 and Rh3



Sol1 TWWSp5 Rh3	Q5, B6 Q3, B3 + 2 configurations 1 configuration

Extension and I/O modules

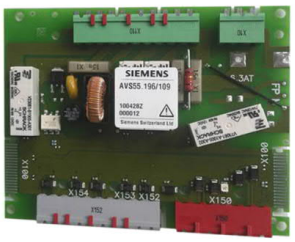
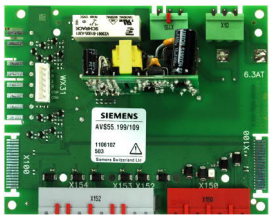
Extension modules

				
Product number	**AVS75.370**	**AVS75.39x ****	**AGU2.550**	**AGU2.551**
Inputs, number				
Mains	1 EX	1 EX (AVS75.391 only)		
Sensor	2 BX	2 BX	2 BX	
Digital-/0..10 V	2 HX	1 HX	1 HX	
5/12 V act. sensors	1 GX		1 U+ (12 V)	
Outputs, number				
Relay	3 QX	3 QX	3 QX	2 QX
0..10V/PWM	2 UX			2 UX
Connection to				
Controllers	AVS82.490, ...491	AVS82.490, ...491	AVS82.490, ...491 AGU2.110	AVS82.490, ...491 AGU2.110
Extension modules	AVS82.490, ...491	AVS82.490, ...491	AVS82.490, ...491 AGU2.110	AVS82.490, ...491 AGU2.110
BSB devices	Terminals CL-, CL+		Cl-, Cl+ to X50	Cl-, Cl+ to X50
Expansion valve	WX21			
Operating voltage*	230 V ~, 50/60 Hz	230 V ~, 50/60 Hz	12 V DC (via LMS)	12 V DC (via LMS)
IP class	IP 00	IP 00	IP 00	IP 00
Climatic conditions (operation)	-20...50 °C	-20...50 °C	0...60 °C	0...60 °C
Dimensions (L x W)	109 x 121 mm	109 x 121 mm	108 x 55 mm	108 x 55 mm
Weight (without packaging)	248 g	293 g	84 g	100 g
Packaging unit	1 or 20 pieces	1 or 20 pieces	60 pcs.	60 pcs.

* Additional technical data is available in the user guides for the controllers.

** The identical device, from a technology standpoint, can be ordered under order number AVS55.391 (without housing).

I/O modules

		
Product number	**AVS55.196**	**AVS55.199**
Inputs, number		
Sensor	4 BX	4 BX
Digital-/0..10 V	3 HX	3 HX
5/12 V act. sensors	1 GX	1 GX
Outputs, number		
Relay	4 QX	1 QX
Triac	1 ZX	
Connection to		
Controllers	AVS82.496/109	AVS82.496/109
BSB devices	CI-, CI+ to X150	CI-, CI+ to X150
Expansion valve		WX31
Operating voltage*	230 V ~, 50/60 Hz	230 V ~, 50/60 Hz
IP class	IP 00 (no housing)	IP 00 (no housing)
Climatic conditions (operation)	-20...50 °C	-20...50 °C
Dimensions (L x W)	96 x 122 mm	96 x 122 mm
Weight (without packaging)	112 g	93 g
Packaging unit	1 or 42 pieces	24 pcs.

* Additional technical data is available in the user guides for the controllers.

Compatibility

	RVS21	RVS61	LMS1x	RVS43	RVS63	RVS46
AVS75.370	Yes	Yes		Yes		
AVS75.39x	Yes	Yes	Yes	Yes	Yes	Yes
AVS55.196	Yes					
AVS55.199	Yes					
AGU2.550			Yes			
AGU2.551			Yes			

Room units

			
Product number	**QAA55.110, QAA58.110**	**QAA74.611**	**QAA74.614**
Line	Basic	Standard	Standard
Languages	No text	All languages*	All languages*
Operation: Cooling	QAA5x.110/301	■	■
Operating: Ventilation		■	■
Communication			
Wire (BSB-W)	QAA55.110	■	■
RF (BSB-RF)	QAA58.110		
Form and features [1)]			
Room sensor, integrated	■	■	■
Humidity sensor, integrated			■
Wall mounting	■	■	■
Housing color			
White	■	■	■
Functional scope			
Basic commands	■		
Complete command set		■	■
Commissioning wizard		■	■

* Includes: DE, EN, FR, IT, NL, ES, DA, SV, FI, PT, PL, CS, SK, SL, HU, EL, TR, RU, SR

1) Device dimensions and technical data in CE1U2358en_xx or. CE1U2348en.
Interfaces on partner devices are available in this document.

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Operator units

				
Product number	**AVS37.x9x**	**AVS74.261**	**AVS74.661**	**AVS74.761**
Line	Standard	Standard	Standard	Standard
Language set 1 **	AVS37.x9x/**1**0x, .../**3**0x	All languages*	All languages*	All languages*
Language set 2 ***	AVS37.x9x/**5**0x, .../**7**0x			
Suited for plants				
Boilers	■ [1]	Universal	Universal	Universal
Heat pump	AVS37.x9x/**309**, .../**709**			
Operation cooling	■	■	■	■
Operating: Ventilation		■	■	■
Form and housing [2]	With housing	With cover	Without cover, air tight	With cover, IP44, air tight
Installation				
Front plate	AVS37.**2**9x [3]	■		
Rear view	AVS37.**3**9x [3]		■	■
Housing color				
Basalt grey	AVS37.29**4**, AVS37.29**6**			
White	AVS37.29**5**, AVS37.29**7**	■	■	■
Functional scope				
Basic commands				
Extended operation	■ [4]	■	■	■
Commissioning wizard		■	■	■

* Includes: DE, EN, FR, IT, NL, ES, DA, SV, FI, PT, PL, CS, SK, SL, HU, EL, TR, RU, SR

** Language set 1 contains: DE, EN, FR, IT, NL, ES, DA, SV, FI, PT

*** Language set 2 contains: EN, PL, CS, SK, SL, HU, EL, TR, RU, SR

1) Reset button for LMS14/15: AVS37.x96 und AVS37.x97

2) Device dimensions and technical data in CE1U2358en_xx or. CE1U2348en.
Interfaces on partner devices are available in this document.

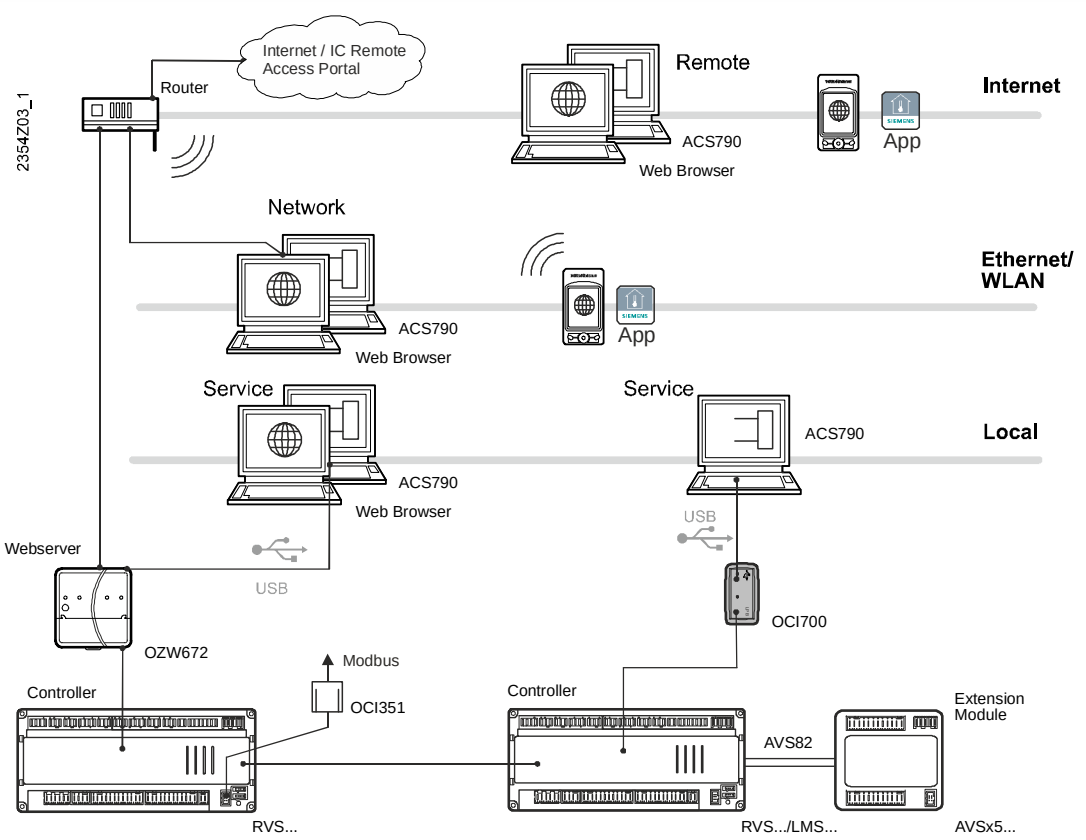
3) On AVS37.**2**96 the service buttons are on different, on AVS37.**3**96 on the same level.

4) Without ventilation function

Albatros2 communications

Albatros2, communications, means:

- Modern communications and visualization.
- Access up to the controller's energy savings functions.
- Apps for mobile end devices.
- Design by drag&drop own Web plant visualizations.
- IC Remote Access Portal



		
Product number	**OZW672...**	**OCI700**
Designation	Web server for LPB/BSB	Service interface
Possible connections:		
Direct connection	USB, type A to mini-B	USB, type A to B
Direct dial connection	No	No
IP connection (Internet)	Yes	No
GSM.	No	No
Operating	• Web browser GUI • ACS790 • HomeControl App	• ACS790
Protocol interface	• LPB/BSB on Ethernet • Web API	• LPB/BSB on USB
Power	230 V ~, 50/60 HZ	DC 5 V (as per USB specification)
IP class	IP30	IP20
Climatic conditions (operation)	0...50 °C	0...50 °C
Dimensions (LxWxH)	88 x 90 x 40 mm	126 x 70 x 32 mm
Weight	136 g (without packaging)	1200 g (including case with ACS790 and packaging)
Data sheet	CE1N5712en	CE1N5655en
Commissioning instructions	CE1C5712en	
Packaging unit	1 pc.	1 pc.

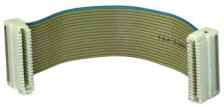
Sensor

Overview

					
Product number	**QAC34/101***	**QAD36/101, ../201**	**QAZ36.xxx/101, ../109**	**QAK36.xxx/109**	**QAR36.xxx/109**
Designation	Outside sensor	Strap-on temperature sensor	Temperature sensor cable	Screw-on temperature sensor	Strap-on temperature sensor
Sensing element	NTC 1K	NTC 10K	NTC 10K	NTC 10K	NTC 10K
Range	-50...70 °C	-30...125 °C	-30...200 °C -25...95 °C	-20...110 °C	5...125 °C
Location					
Outside	■				
Flow rate		■	■	■	■
TWW		■	■	■	■
Boilers		■	■	■	■
Solar			■		
Data sheet	Q1811	Q1801	Q1843	Q1845	Q1806

* 2 additional order numbers are available relating to outside sensor QAC34/101:	
AVS13.399/101	RF module including outside sensor QAC34
AVS13.399/201	RF module for outside sensor QAC34; without the outside sensor.

Accessories

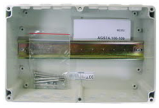
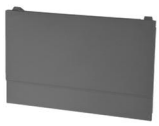
				
Product number	**AVS82.490/109** **AVS82.491/109**	**AVS82.590/109**	**AVS82.496/109**	**AGU2.110A/109**
Designation	Ribbon cable	Adapter cable	Ribbon cable	Bus cable
Length	…490/109: 400 mm …491/109: 1000 mm	< 3000 mm*	100 mm	840 mm
Protocol	BSB	BSB	BSB	BSB
Links...	Controllers	Controllers	Controllers	BMU LMS1...
With...	Operator unit or extension modules	Operator unit or extension modules	I/O module	Operator unit or extension modules

* Cable between 2 adapters cannot exceed 3 meters for EMC reasons.

Gateways					
					
Product number	**OCI345.06/101**	**OCI365.03/101**	**OCI351.01**	**AVS71.390/109***	**AVS71.393/101***
Designation	LPB clip-in	LPB/OpenTherm Gateway	Modbus clip-in	Radio module	RF module BSB
Links... With...	RVS21.826 LPB	OpenTherm device LPB	Controllers Modbus	Controllers BSB-RF (RF)	BSB-W (Draft) BSB-RF (RF)
Description	RVS21 controllers is integrated in the LPB topology.	Opentherm device is integrated in the LPB topology.	Integrate Modbus devices	RF communication controller/RF participant	RF communication controller/RF participant
Installation location	On the controller	Freely placeable on OpenTherm	On the controller	On the controller	Freely placeable on BSB
Power	24 V DC (via RVS)	via OpenTherm bus	5 V DC (via RVS/LMS)	5.5 V DC (via RVS)	G+ (11.3...13.2 V)
IP class	IP 00	IP20	IP 00	IP40	IP20
Climatic conditions (operation)	-20...60 ℃	0...50 ℃	-20...50 °C	0...50 ℃	0...50 ℃
Dimensions (L x W x T)	76 x 55 x 20 mm	54 x 90 x 57 mm	76 x 55 x 20 mm	71 x 56 x 67 mm	96 x 96 x 40 mm
Weight	54 g	76 g	45 g 4 kg (72 devices)	54 g	115 g
Documentation	Controller manual	A6V10774679_en	Controller manual	CE1U2358en	CE1U2358en
Packaging unit	20 pieces	20 pieces	1 pc. 72 pieces	20 pieces	1 pc.

* RF module (AVS71.390) and RF module BSB (AVS71.393) as alternative only

Housing, covers, spacer

Wall-mount housing AGS7A.100	
	• 1 controller with width 181 mm • 2 controllers, 109 mm in width • HMI AVS37...
Blanking cover AVS38.291	
	• e.g. with AGS7A.100 • Dimensions: 138 x 92 mm
HMI cover (rear side) AVS92.290	
	• For AVS37.x9x (not AVS37.390) • Dimensions: 116 x 86 mm
Spacer AVS92.280/109	
	• For extension module AVS55.19x • For mounting **on** the basic module (RVS21...)

Power section

Power supply AVS16.290	
	• Boiler control panel for floor-standing boilers • Is connected using the supplied 5-pin plug to the controller's power input. • Additional information is available in CE1U2358en

Demo case

Demo case KF8921.1	
	• Demo case for heat pump controller RVS61 • Includes, in addition to the room unit QAA75, the RF module AVS71.390, as well as potentiometer for plant simulation. • Case dimensions: 47 x 44 x 20 cm (L x W x D) • Case weight:: 8.5 kg
Demo case KF8900	
	• Demo case for heating controller RVS... • Includes, in addition to the room unit QAA75, the RF module AVS71.390, as well as potentiometer for plant simulation. • Case dimensions: 47 x 44 x 20 cm (L x W x D) • Case weight: 8 kg

Additional information

Albatros2 documentation landscape

This product range description is a component of the Albatros2 documentation landscape.

Documentation type	Content
User guides for Albatros2 controllers [code letter U]	Hardware and parameter description of controllers (see as well Section "Controllers [➞ 3]", line "User's Guide")
User guides for Albatros2 operator, room, and peripheral devices [code letter U]	Mounting and operating instructions, parameter description, and technical data in CE1U2358en_xx
User guides for Albatros2 room and operator units (QAA74, AVS74) [code letter U]	Mounting and operating instructions, parameter description, and technical data in CE1U2348en.
Cross-product range basic documents [code letter P]	e.g. "Hydraulic partial diagrams and supplemental functions"
Sensor datasheets [code letter Q]	Technical data and functions (see Section "Sensor [➞ 16]", line "Datasheet")
Product inserts [code letters B and G]	Delivered operating and mounting instructions
Environmental declarations [code letter E]	Material product components, environmental compatibility, and compliance with environmental laws (e.g. RoHS)
CE declaration of conformity [code letter T]	Declaration on the compliance with applicable electrical standards.

Additional support

For questions on the described products, please contact your point-of-contact at the responsible Siemens offices.

Additional information

www.siemens.com/buildingtechnologies-oem

Notes on disposal

The following notes apply in the event that disposal is required when exchanging individual components (e.g. AVS13.399 or QAA55/58) as part of a service call:

Individual components without batteries



The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.

- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.

Individual components with batteries



The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.

- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.
- Dispose of empty batteries in designated collection points.

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