

Product manual

# Air curtains

SONATA EVO-EC

Air distribution

Version 1.0.2  
Date: 19.04.2023

## SONATA EVO-EC

- Lengths: 1.0; 1.5; 2.0; 2.5 m
- Air flow up to 6150 m<sup>3</sup>/h (ISO 27 327-1)
- Straw System – maximized screening effect
- Energy-efficient EC fans
- Low profile
- Universal interface for AirGENIO EC control module connection (BASIC, COMFORT, SUPERIOR)
- Standard colour RAL 9016 (any RAL – based colours may be provided on customer's request)

The SONATA EVO-EC is low profile design air curtain for use in retail shops, shopping centres, restaurants, administrative buildings and manufacturing facilities with a recommended installation height up to 4 m\*.




\* Maximum recommended installation height – may vary according the particular conditions at the installation site.

The air curtain shall be installed indoors in a dry environment with ambient temperatures ranging from 0 °C up to +40 °C and relative humidity of up to 80 %. It is designed for conveying air free of fine dust, grease, chemical fumes, and other impurities. IP rating of the air curtain is IP 20. It is recommended that air curtain projects always be developed by an HVAC designer or engineer.



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### PRODUCT OVERVIEW

-  air-only
-  water heater
-  electric wire heater



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## PRIMARY PARAMETERS

Air curtains with electric heaters are equipped with an automatic heat thermostat and emergency thermostat with manual reset. Air curtains with LPHW coil are designed for a maximum operating water temperature of +130 °C and a maximum operating pressure of 1.6 MPa.

Type	Recommended installation height [m]	Airflow volume [m³/h] *1				
		100%	80%	60%	40%	20%
SONATA 32-10-E0-EC	3,2	1850	1590	1220	850	510
SONATA 32-15-E0-EC		2550	2270	1850	1320	810
SONATA 32-20-E0-EC		3550	3150	2430	1760	1080
SONATA 32-25-E0-EC		4450	3990	3060	2190	1140
SONATA 32-10-E1-EC		1850	1590	1220	850	510
SONATA 32-15-E1-EC		2550	2270	1850	1320	810
SONATA 32-20-E1-EC		3550	3150	2430	1760	1080
SONATA 32-25-E1-EC		4450	3990	3060	2190	1140
SONATA 32-10-E2-EC		1890	1660	1290	930	590
SONATA 32-15-E2-EC		2630	2330	1830	1280	830
SONATA 32-20-E2-EC		3700	3300	2570	1860	1240
SONATA 32-25-E2-EC		4340	3960	3030	2150	1390
SONATA 32-10-W-EC		1780	1560	1200	810	510
SONATA 32-15-W-EC		2540	2270	1690	1170	720
SONATA 32-20-W-EC		3600	3180	2440	1710	990
SONATA 32-25-W-EC		4280	3730	2860	1950	1090
SONATA 32-10-N-EC		1950	1730	1520	1090	640
SONATA 32-15-N-EC		2800	2540	2230	1580	800
SONATA 32-20-N-EC		3960	3650	3220	2300	1310
SONATA 32-25-N-EC		4710	4280	3760	2650	1460
SONATA 40-10-E1-EC	4	2500	2230	1740	1260	920
SONATA 40-15-E1-EC		3740	3460	2690	1970	1220
SONATA 40-20-E1-EC		5030	4520	4010	2940	1540
SONATA 40-25-E1-EC		5480	4750	4040	2860	1440
SONATA 40-10-W-EC		2560	2240	1820	1260	720
SONATA 40-15-W-EC		3640	3270	2500	1740	970
SONATA 40-20-W-EC		5120	4730	3650	2410	1460
SONATA 40-25-W-EC		5590	5310	3400	2640	1120
SONATA 40-10-N-EC		2820	2490	2170	1840	1140
SONATA 40-15-N-EC		4000	3600	3120	2630	1710
SONATA 40-20-N-EC		5630	4820	4080	3280	2490
SONATA 40-25-N-EC		6150	5870	5010	4150	2420

Type	Heater power output [kW]	Total power input [kW]	Total voltage/current [V/A]	Motor voltage/current [V/A]	Temperature increase Δt [°C]*4	Frequency [Hz]	Weight [kg]
SONATA 32-10-E0-EC	5	5,1	400/12,6	230/0,56	7,8	50/60	24
SONATA 32-15-E0-EC	8	8,2	400/11,7	230/0,72	8,9		31
SONATA 32-20-E0-EC	10	10,2	400/14,8	230/0,94	8,1		38
SONATA 32-25-E0-EC	12	12,3	400/19,8	230/1,24	8,3		50
SONATA 32-10-E1-EC	6	6,1	400/11,0	230/0,56	9,8		24
SONATA 32-15-E1-EC	9	9,2	400/17,1	230/0,72	11,1		31
SONATA 32-20-E1-EC	12	12,2	400/21,7	230/0,94	10,1		38
SONATA 32-25-E1-EC	16	16,3	400/25,5	230/1,24	11,1		50
SONATA 32-10-E2-EC	10	10,1	400/14,1	230/0,23	15,2		24
SONATA 32-15-E2-EC	15	15,2	400/22,6	230/0,73	17,3		31
SONATA 32-20-E2-EC	19	19,2	400/28,6	230/0,97	15,5		38
SONATA 32-25-E2-EC	25	25,3	400/36,8	230/1,13	17,1		50
SONATA 32-10-W-EC	19*4	0,1	230/0,5	230/0,50	35,2		25
SONATA 32-15-W-EC	27*4	0,2	230/0,7	230/0,68	35		32
SONATA 32-20-W-EC	38*4	0,2	230/0,9	230/0,90	34,9		38
SONATA 32-25-W-EC	46*4	0,3	230/1,2	230/1,20	35,8		46
SONATA 32-10-N-EC	-	0,1	230/0,6	230/0,52	-		22
SONATA 32-15-N-EC	-	0,2	230/0,7	230/0,69	-		28
SONATA 32-20-N-EC	-	0,2	230/1,0	230/0,93	-		33
SONATA 32-25-N-EC	-	0,3	230/1,2	230/1,15	-		40
SONATA 40-10-E1-EC	10	10,3	400/14,9	230/1,0	11,5	26	
SONATA 40-15-E1-EC	15	15,4	400/23,4	230/1,5	12,1	34	
SONATA 40-20-E1-EC	19	19,5	400/29,5	230/1,9	11,4	38	
SONATA 40-25-E1-EC	25	25,5	400/37,5	230/1,8	13,5	49	
SONATA 40-10-W-EC	24*4	0,3	230/1,0	230/1,0	35,2	27	
SONATA 40-15-W-EC	34*4	0,4	230/1,4	230/1,4	35	35	
SONATA 40-20-W-EC	48*4	0,5	230/1,8	230/1,8	34,9	38	
SONATA 40-25-W-EC	55*4	0,5	230/1,9	230/1,9	35,8	50	
SONATA 40-10-N-EC	-	0,3	230/1,0	230/1,0	-	24	
SONATA 40-15-N-EC	-	0,4	230/1,4	230/1,4	-	31	
SONATA 40-20-N-EC	-	0,5	230/1,8	230/1,8	-	33	
SONATA 40-25-N-EC	-	0,5	230/1,7	230/1,7	-	44	

\*1 Airflow volume according ISO27327-1

\*2 Acoustic pressure values at 3m distance for maximum speed. Directional factor: Q=2.

\*3 Sound power (LWA) measurements according to ISO 27327-2.

\*4 Intake air temperature +18°C, C, water temperature gradient of 90/70 °C and highest fan speed

Type	Sound power [dB(A)]*2					Acoustic pressure at 3 m [dB(A)]*1				
	Fan speed									
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
SONATA 32-10-E0-EC	75	73	65	57	51	54	51	43	36	29
SONATA 32-15-E0-EC	75	74	67	59	53	54	53	46	38	31
SONATA 32-20-E0-EC	77	75	68	60	51	55	53	46	38	30
SONATA 32-25-E0-EC	78	75	67	58	44	56	53	45	37	23
SONATA 32-10-E1-EC	75	73	65	57	51	54	51	43	36	29
SONATA 32-15-E1-EC	75	74	67	59	53	54	53	46	38	31
SONATA 32-20-E1-EC	77	75	68	60	51	55	53	46	38	30
SONATA 32-25-E1-EC	78	75	67	58	44	56	53	45	37	23
SONATA 32-10-E2-EC	75	72	64	57	51	53	51	43	36	29
SONATA 32-15-E2-EC	75	74	67	59	53	54	53	46	38	31
SONATA 32-20-E2-EC	78	76	69	61	51	56	55	48	39	30
SONATA 32-25-E2-EC	78	75	67	58	44	56	53	45	37	23
SONATA 32-10-W-EC	73	70	63	55	53	51	49	41	34	32
SONATA 32-15-W-EC	73	72	65	57	51	52	51	44	36	30
SONATA 32-20-W-EC	76	74	69	60	51	54	52	47	39	29
SONATA 32-25-W-EC	76	74	67	58	47	54	53	45	36	25
SONATA 32-10-N-EC	73	70	66	57	50	52	49	45	36	29
SONATA 32-15-N-EC	73	72	69	60	55	52	50	47	38	34
SONATA 32-20-N-EC	75	73	70	61	41	53	52	48	40	20
SONATA 32-25-N-EC	78	72	69	59	47	56	50	47	37	25
SONATA 40-10-E1-EC	82	79	72	63	52	60	58	51	42	31
SONATA 40-15-E1-EC	82	81	75	67	56	60	60	53	46	34
SONATA 40-20-E1-EC	81	78	74	65	53	59	57	53	43	31
SONATA 40-25-E1-EC	79	78	76	67	53	57	57	54	45	31
SONATA 40-10-W-EC	77	76	68	59	51	55	54	47	38	30
SONATA 40-15-W-EC	79	78	71	64	54	57	56	50	43	33
SONATA 40-20-W-EC	79	77	70	60	54	58	55	48	38	33
SONATA 40-25-W-EC	78	76	72	63	53	55	54	50	41	31
SONATA 40-10-N-EC	77	73	69	64	53	56	52	48	42	32
SONATA 40-15-N-EC	78	75	72	67	54	56	54	50	46	32
SONATA 40-20-N-EC	80	70	65	59	53	58	49	44	37	31
SONATA 40-25-N-EC	78	76	71	67	53	56	54	50	45	31

\*1 Acoustic pressure values at 3m distance for maximum speed. Directional factor: Q=2.  
 \*2 Sound power (LWA) measurements according to ISO 27327-2.

### LPHW coil parameters for water temperature gradient of 90/70 °C

Type	Air output	Heating output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
SONATA 32-10-W-EC	1780	19	53,2	17,17	0,23
SONATA 32-15-W-EC	2540	27	53	11,67	0,33
SONATA 32-20-W-EC	3600	38	52,9	16,19	0,46
SONATA 32-25-W-EC	4280	46	53,8	25,51	0,56
SONATA 40-10-W-EC	2560	24	48,5	26,29	0,29
SONATA 40-15-W-EC	3640	34	48,4	17,85	0,41
SONATA 40-20-W-EC	5120	48	48,4	24,72	0,58
SONATA 40-25-W-EC	5590	55	50,4	35,41	0,67

\* Temperature of intake air: +18 °C

### LPHW coil parameters for water temperature gradient of 80/60 °C

Type	Air output	Heating output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
SONATA 32-10-W-EC	1780	15,78	46,8	12,65	0,19
SONATA 32-15-W-EC	2540	22,31	46,5	8,44	0,27
SONATA 32-20-W-EC	3600	31,57	46,5	11,77	0,39
SONATA 32-25-W-EC	4280	38,58	47,4	18,74	0,47
SONATA 40-10-W-EC	2560	19,87	42,9	19,23	0,24
SONATA 40-15-W-EC	3640	28,01	42,7	12,85	0,34
SONATA 40-20-W-EC	5120	39,38	42,8	17,76	0,48
SONATA 40-25-W-EC	5590	45,79	44,5	25,7	0,59

\* Temperature of intake air: +18 °C

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### LPHW coil parameters for water temperature gradient of 70/50 °C

Type	Air output	Heating output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
SONATA 32-10-W-EC	1780	13	40,5	8,53	0,15
SONATA 32-15-W-EC	2540	18	40,1	5,59	0,21
SONATA 32-20-W-EC	3600	25	40,1	7,75	0,30
SONATA 32-25-W-EC	4280	31	40,9	12,56	0,38
SONATA 40-10-W-EC	2560	16	37,3	12,85	0,19
SONATA 40-15-W-EC	3640	22	37,1	8,44	0,27
SONATA 40-20-W-EC	5120	31	37,2	11,58	0,38
SONATA 40-25-W-EC	5590	36	38,6	17,07	0,44

\* Temperature of intake air: +18 °C /

### LPHW coil parameters for water temperature gradient of 60/40 °C

Type	Air output	Heating output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
SONATA 32-10-W-EC	1780	9	34,1	5	0,11
SONATA 32-15-W-EC	2540	13	33,7	3,14	0,16
SONATA 32-20-W-EC	3600	18	33,8	4,41	0,22
SONATA 32-25-W-EC	4280	23	34,5	7,26	0,28
SONATA 40-10-W-EC	2560	11	31,8	7,36	0,14
SONATA 40-15-W-EC	3640	16	31,5	4,71	0,19
SONATA 40-20-W-EC	5120	22	31,6	6,47	0,27
SONATA 40-25-W-EC	5590	27	32,8	9,71	0,32

\* Temperature of intake air: +18 °C /

### Recommended mixing points for LPHW coil 2-way valve

Type	Control module	90 / 70 °C	80 / 60 °C	70 / 50 °C	60 / 40 °C
SONATA 32-10-W-EC	RGJ3-VCES2-SU	ZV2-024-08,0-20	ZV2-024-08,0-20		
SONATA 32-15-W-EC	RGJ3-VCES2-SU	ZV2-024-08,0-20	ZV2-024-08,0-20		
SONATA 32-20-W-EC	RGJ3-VCES2-SU	ZV2-024-08,0-20	ZV2-024-08,0-20		
SONATA 32-25-W-EC	RGJ3-VCES2-SU	ZV2-024-16,0-25 *	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
SONATA 40-10-W-EC	RGJ3-VCES2-SU	ZV2-024-08,0-20	ZV2-024-08,0-20		
SONATA 40-15-W-EC	RGJ3-VCES2-SU	ZV2-024-08,0-20	ZV2-024-08,0-20		
SONATA 40-20-W-EC	RGJ3-VCES2-SU	ZV2-024-16,0-25 *	ZV2-024-08,0-20		
SONATA 40-25-W-EC	RGJ3-VCES2-SU	ZV2-024-16,0-25 *	ZV2-024-16,0-25 *		

\* Additional reduction needed from DN25 to DN20

### Recommended mixing points for LPHW coil 3-way valve

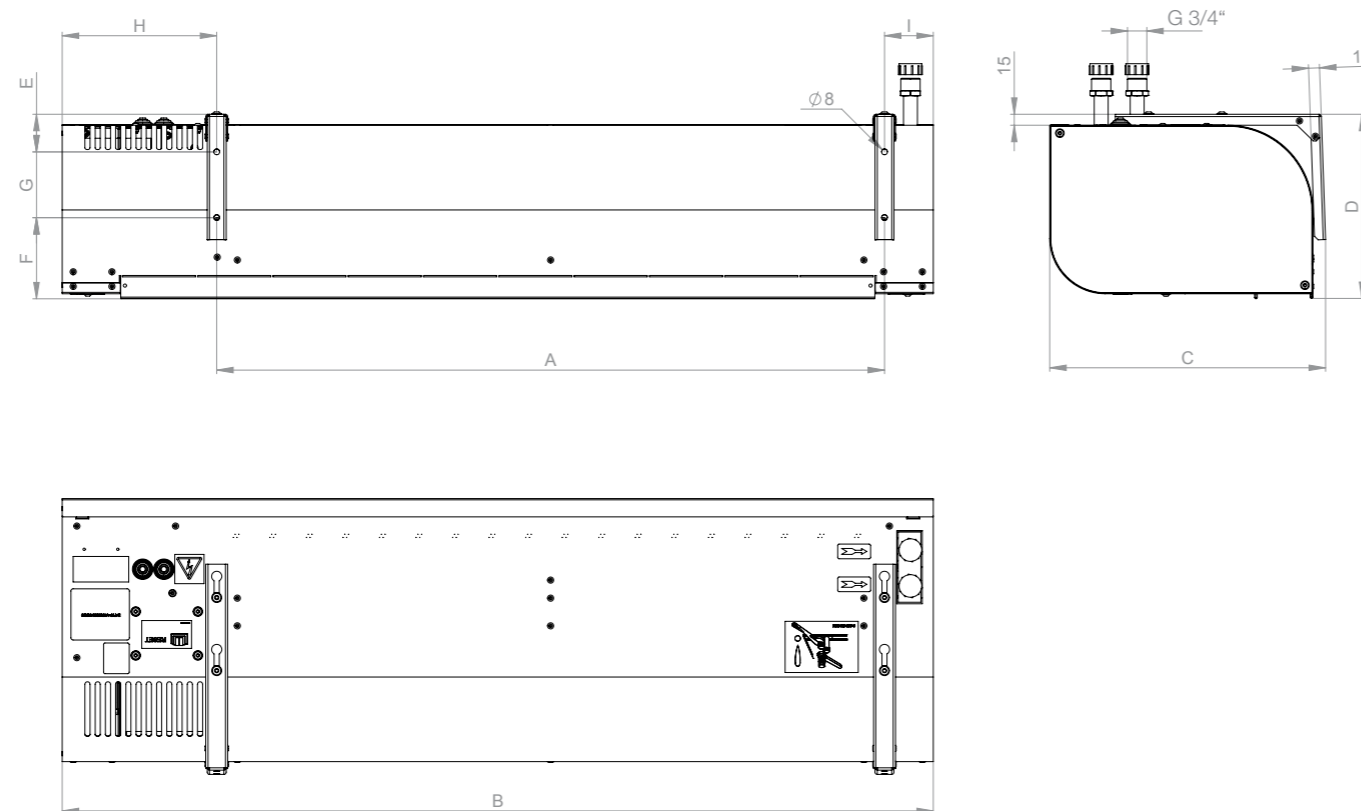
Type	Control module	90 / 70 °C	80 / 60 °C	70 / 50 °C	60 / 40 °C
SONATA 32-10-W-EC	RGJ3-VCES2-SU	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
SONATA 32-15-W-EC	RGJ3-VCES2-SU	ZV3-024-06,3-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
SONATA 32-20-W-EC	RGJ3-VCES2-SU	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
SONATA 32-25-W-EC	RGJ3-VCES2-SU	ZV3-024-10,0-25 *	ZV3-024-10,0-25 *	ZV3-024-10,0-25 *	ZV3-024-10,0-25 *
SONATA 40-10-W-EC	RGJ3-VCES2-SU	ZV3-024-06,3-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
SONATA 40-15-W-EC	RGJ3-VCES2-SU	ZV3-024-06,3-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
SONATA 40-20-W-EC	RGJ3-VCES2-SU	ZV3-024-10,0-25 *	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
SONATA 40-25-W-EC	RGJ3-VCES2-SU	ZV3-024-10,0-25 *	ZV3-024-10,0-25 *	ZV3-024-06,3-20	ZV3-024-06,3-20

\* Additional reduction needed from DN25 to DN20

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## DIMENSIONS



Type	A	B	C	D	E	F	G	H	I
SONATA-32-100-EC	913	1190	377	252	51	111	90	211	67
SONATA-40-100-EC	913	1190	377	252	51	111	90	211	67
SONATA-32-150-EC	1321	1600	377	252	51	111	90	211	67
SONATA-40-150-EC	1321	1600	377	252	51	111	90	211	67
SONATA-32-200-EC	1822	2100	377	252	51	111	90	211	67
SONATA-40-200-EC	1822	2100	377	252	51	111	90	211	67
SONATA-32-250-EC	2232	2510	377	252	51	111	90	211	67
SONATA-40-250-EC	2232	2510	377	252	51	111	90	211	67

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## ORDERING KEY

## AIR CURTAINS

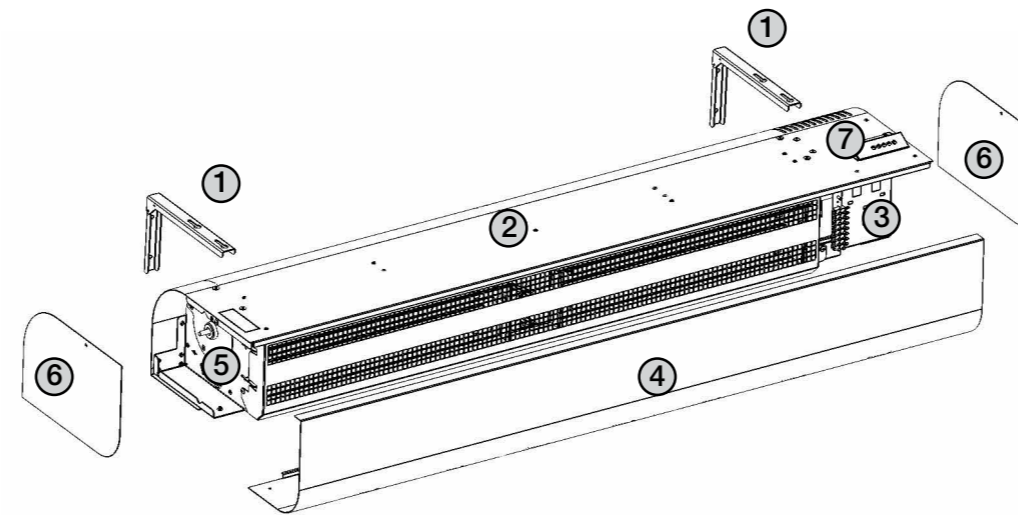
### ORDERING KEY

(1) Air curtain	(2) Installation height	(3) Control	(4) Control	(5) Heating	(6) Motor				
<b>SONATA EVO</b>	-	<b>32</b>	<b>10</b>	-	<b>MA</b>	-	<b>E1</b>	-	<b>EC</b>
(1) Air curtain: <b>SONATA EVO</b>	(2) Recommended installation height: <b>32</b> - 3.2 m <b>40</b> - 4 m	(3) Length: <b>10</b> - 1 m <b>15</b> - 1.5 m <b>20</b> - 2 m <b>25</b> - 2.5 m	(4) <b>SS</b> – Superior slave (touch screen) <b>SM</b> – Superior master (touch screen)	(5) <b>N</b> – without heating regulation <b>E1</b> – with electric heater regulation ( Air curtains length 100, 150) <b>E2</b> – with electric heater regulation ( Air curtains length 200, 250) <b>W</b> – with water heater regulation	(6) <b>EC</b> – motor				

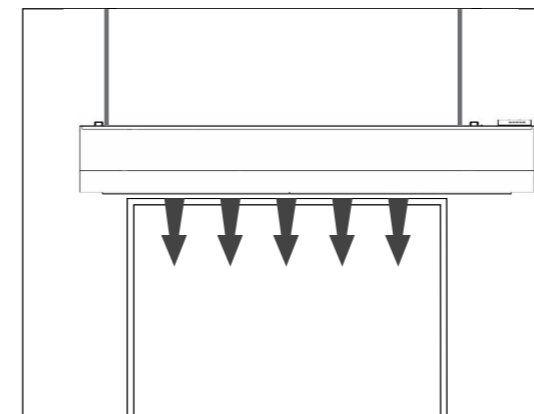
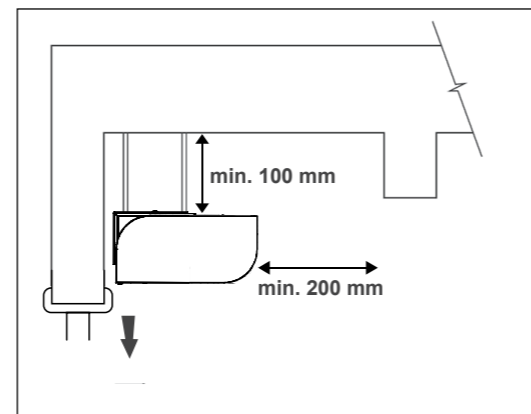


## INSTALLATION AND ASSEMBLY

- The air curtain must be installed in a horizontal position only.
- The air curtain shall be located as close as possible to the top edge of the doorway, and a distance from walls that is in accordance with fire safety and building codes of the country where unit is installed. For manufacturer recommended distance see figures below.
- To ensure proper function it is recommended that the air curtain overlaps the doorway by 100 mm on both sides.
- Correct operation of the air curtain requires that specified distances from the surrounding objects are observed, see figure.
- Please take note of water and power supply connections when installing air curtain.
- The air curtain shall be installed using supplied brackets.



- ① Mounting brackets (included with delivery)
- ② Top cover
- ③ Connection dock for controls module
- ④ Intake grill
- ⑤ Connection dock for LPHW  
(only on water versions)
- ⑥ Side cover
- ⑦ Main power supply connection















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## INSTALLATION

## CONTROL

Overview of functions and sensor connections

				
AirGENIO control		BASIC VCES2-AGBA1-M-EC	COMFORT VCES2-AGCO1-M-EC	SUPERIOR VCES2-AGSU1-M-EC
 Type of controller		Manual	Touch screen	Touch screen
Mode		Manual	Manual / Auto	Manual / Auto
 Control of air output		PWM	PWM	PWM
 Control of electric heater		OFF / Level1 / Level2	OFF / Level1 / Level2	PWM
 Control of water heater		ON/OFF	ON-OFF / 0-10V	0-10V
 Antifreeze protection of LPHW		NO	YES	YES
 Possibility of connecting a door contact		YES	YES	YES
 External control		NO	YES	YES
 Temperature measurement		NO	YES (NTC)*	YES (NTC)*
 Chaining air curtains		NO	YES – max 10+1 pcs	YES – max 10+1 pcs
 Indication of selected function		NO	YES (Display)	YES (Display)
 Controller connection to air curtain		Power wire + Communication cable (UTP)	Communication cable (UTP)	Communication cable (UTP)
 Self learning mode		NO	YES	YES
 BMS connection		NO	Modbus RTU	Modbus RTU, Modbus TCP, BACnet
 Error contact		NO	YES	YES
 2 <sup>nd</sup> control panel ready		NO	YES	YES

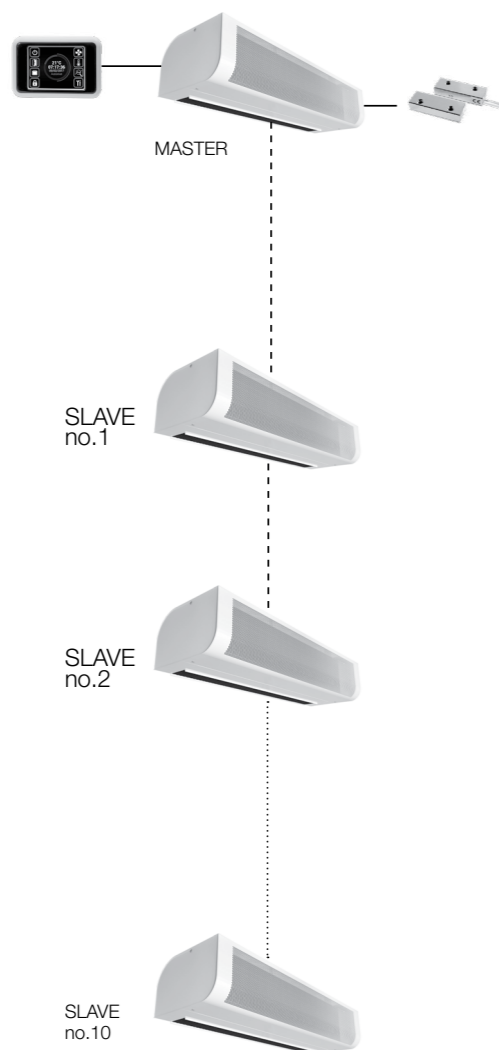
<sup>1)</sup> Temperature sensor included in standard. Temperature shown on display.

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## CONTROL

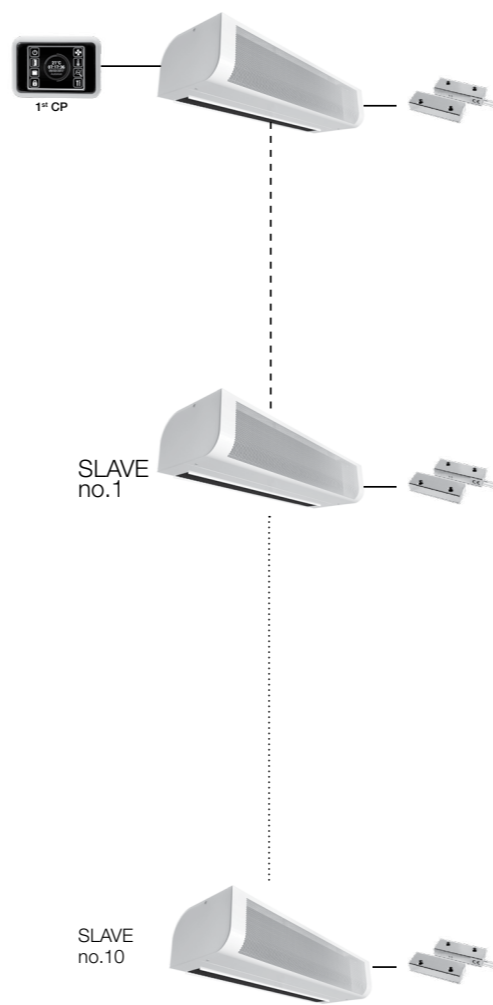
## CHAINING EXAMPLE

### COMFORT / SUPERIOR Global Door contact function active



<sup>1)</sup> Optional accessories

### COMFORT / SUPERIOR Global Door contact function not active



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## CONTROL



## ACCESSORIES

2way or 3-way valve with servo drive  
(0-10V)



2-way or 3-way valve with servo drive (230V)  
(for control BASIC, COMFORT)



3-way valve with servo drive RT  
(for control BASIC, COMFORT)



Room thermostat



Room temperature sensor



Mechanical door switch



Magnetic door contact in a metal housing  
with higher protection against mechanical  
damage



2<sup>nd</sup> Control panel  
ND-REMOTE-CONTROL



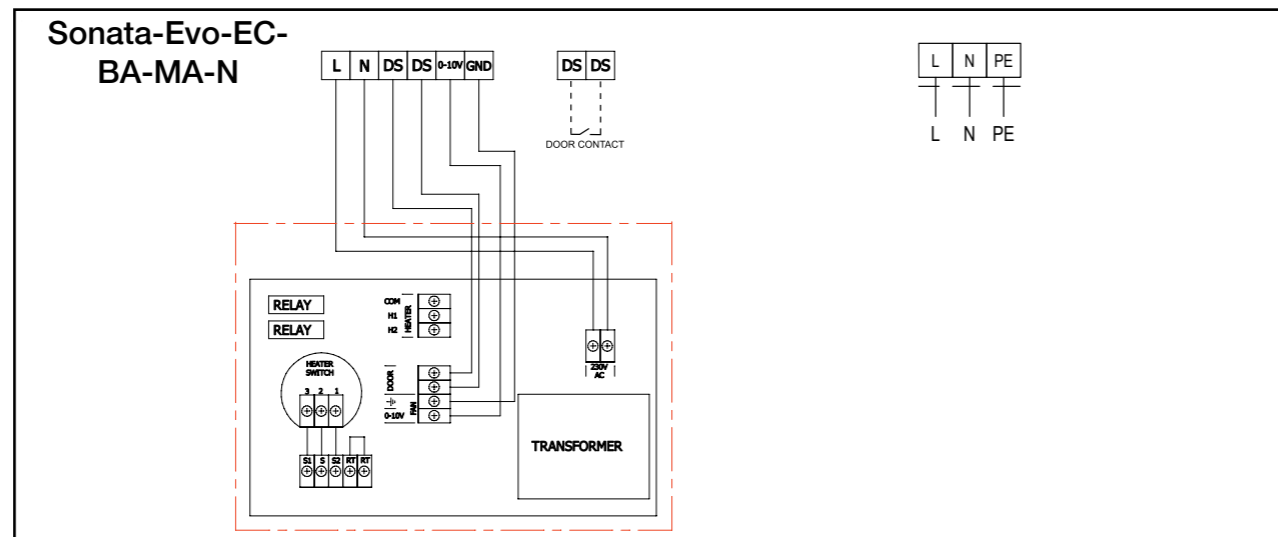
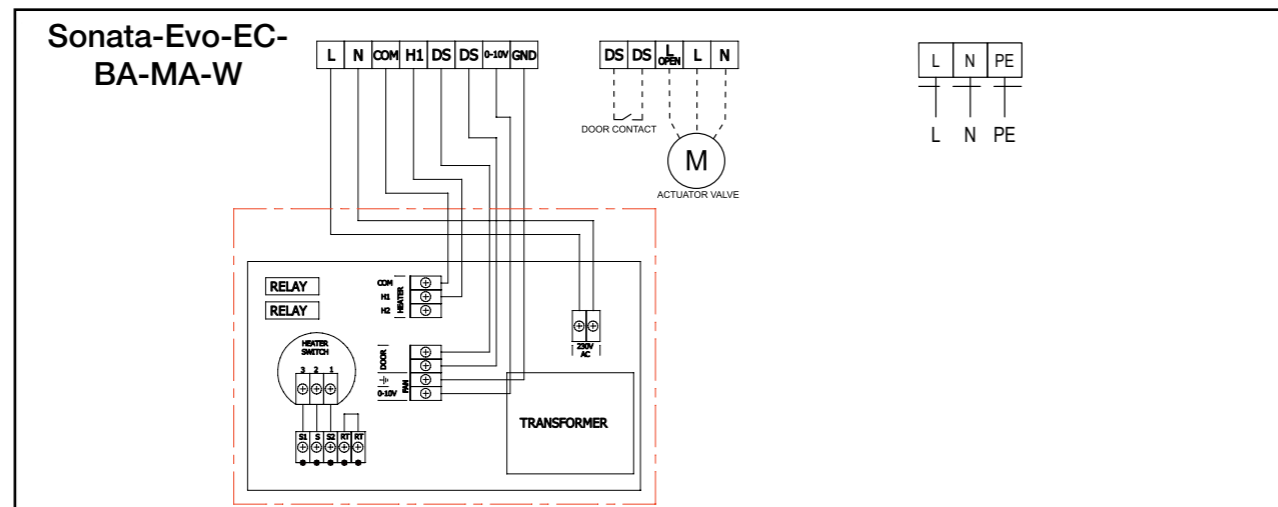
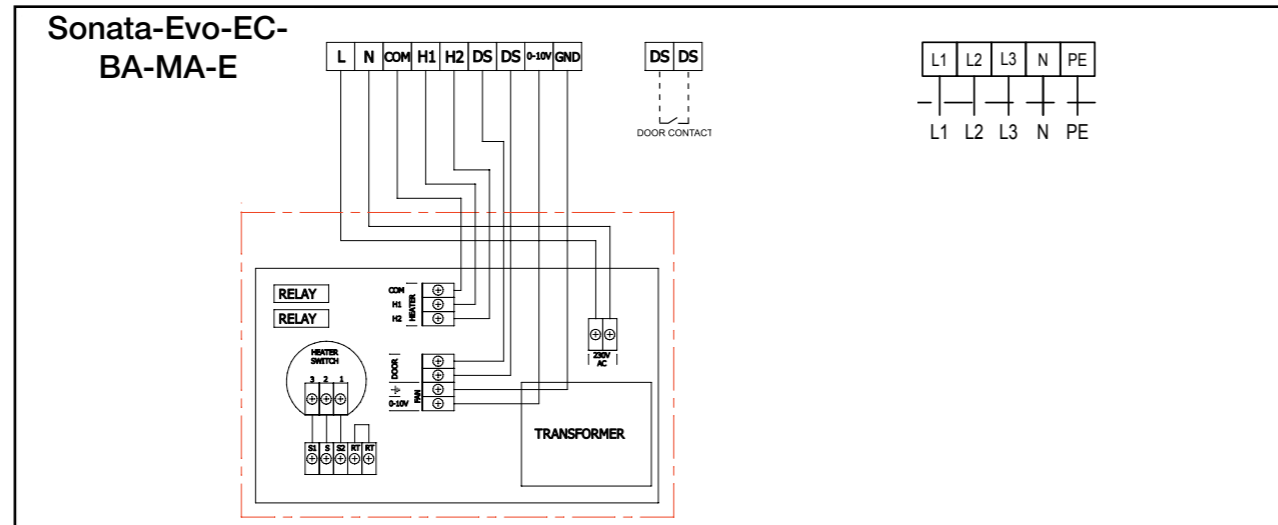
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## ACCESSORIES

# WIRING DIAGRAMS

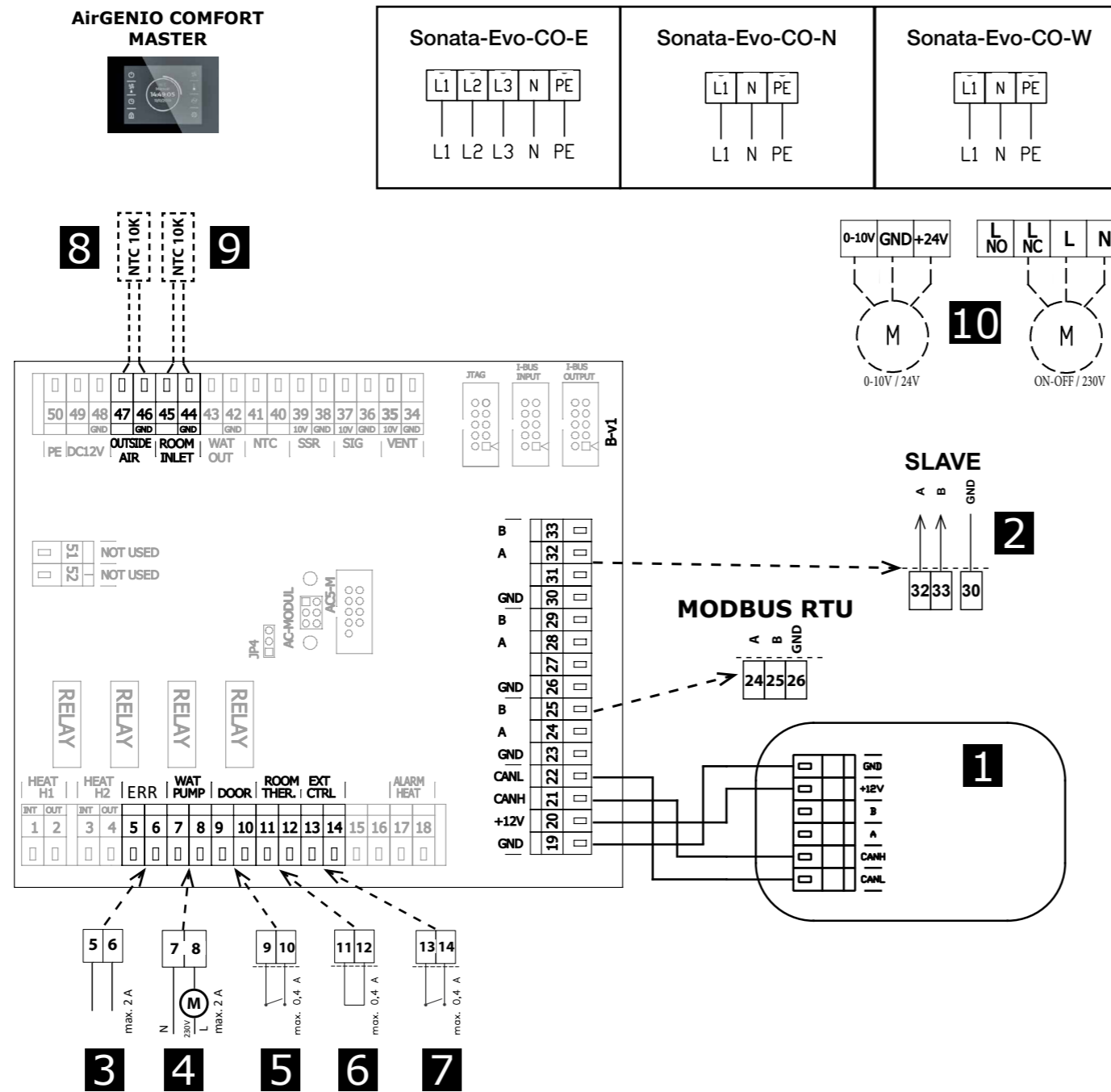
The recommended cross-section of the main power supply cables is stated in the Instruction Manual.  
 All wiring diagrams provided in the technical catalog are indicative only. When assembling the product, carefully observe the nameplate ratings as well as directions and diagrams affixed directly to the product or enclosed with the product.

## AirGENIO BASIC



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## WIRING DIAGRAMS



- |   |   |
|---|---|
| 1 | Control panel                               |
| 2 | Signal to SLAVE unit                        |
| 3 | ERROR contact (relay contact, NO/NC)        |
| 4 | Water pump (relay contact)*                 |
| 5 | DOOR contact (input, NO/NC)                 |
| 6 | Room thermostat (input, NO/NC)              |
| 7 | External control (input, NO/NC)             |
| 8 | Outside air temp. sensor (include delivery) |
| 9 | Room temp. sensor (include delivery)        |

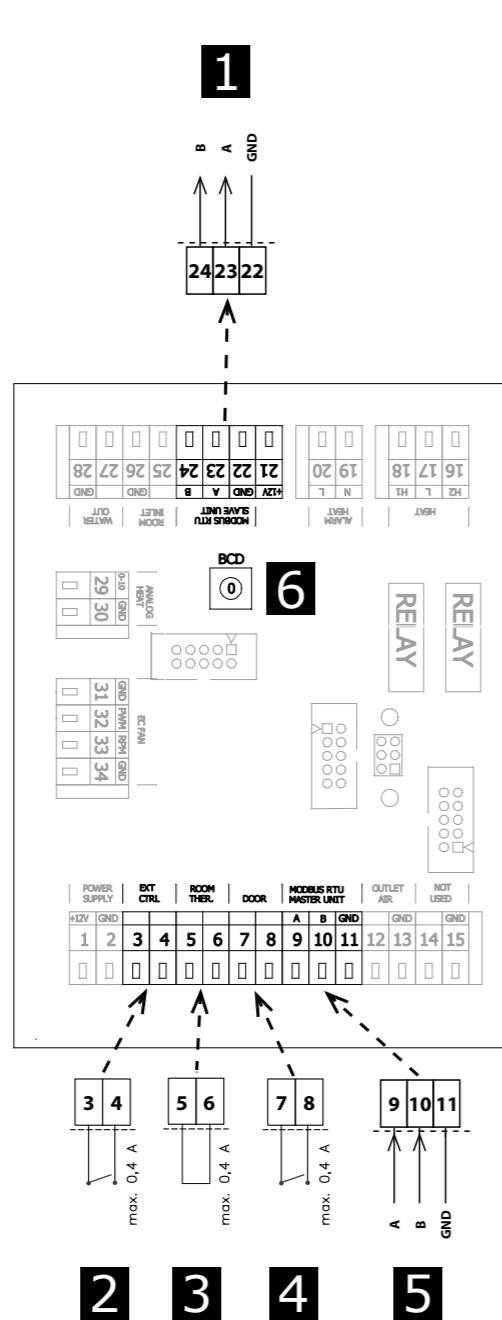
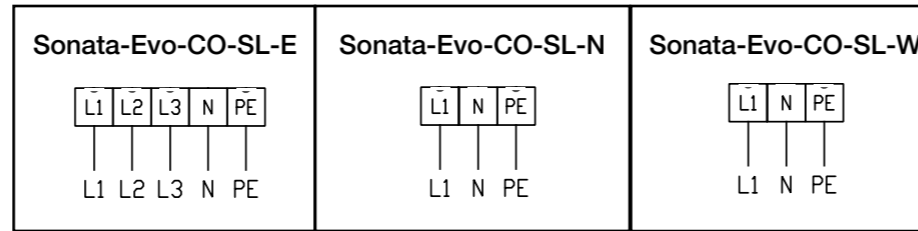
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WIRING DIAGRAMS



# WIRING DIAGRAMS

## AirGENIO COMFORT SLAVE



1	Signal to SLAVE unit
2	External control - ON/OFF
3	Room thermostat (input)
4	DOOR contact (input)
5	Signal from MASTER unit
6	Address of the slave air curtain

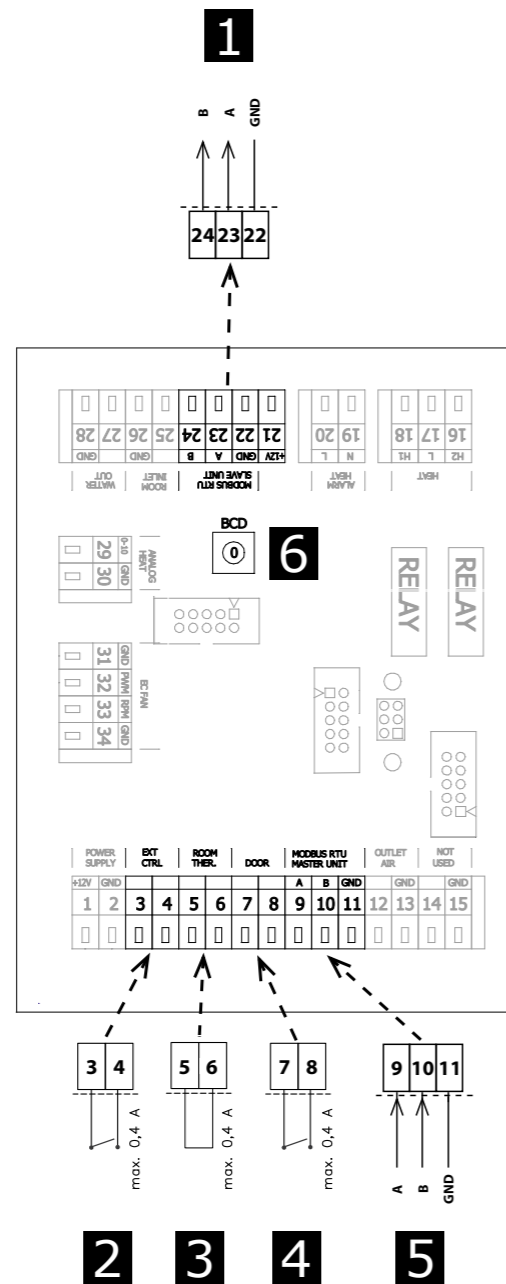
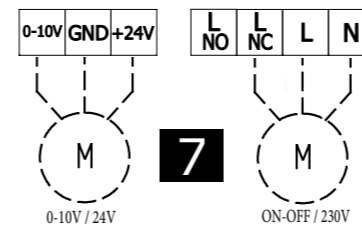
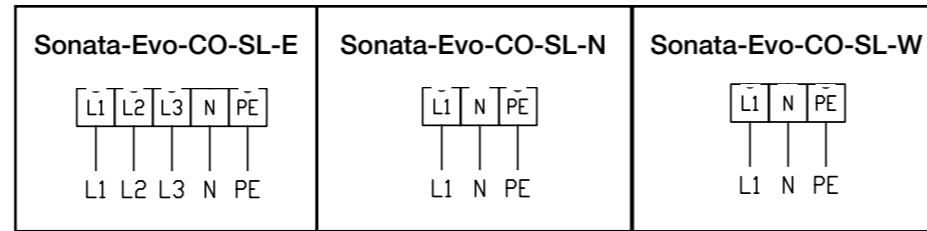
SLAVE	BCD
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A

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## WIRING DIAGRAMS

# WIRING DIAGRAMS

## AirGENIO COMFORT SLAVE



- |   |                                  |
|---|----------------------------------|
| 1 | Signal to SLAVE unit             |
| 2 | External control - ON/OFF        |
| 3 | Room thermostat (input)          |
| 4 | DOOR contact (input)             |
| 5 | Signal from MASTER unit          |
| 6 | Address of the slave air curtain |

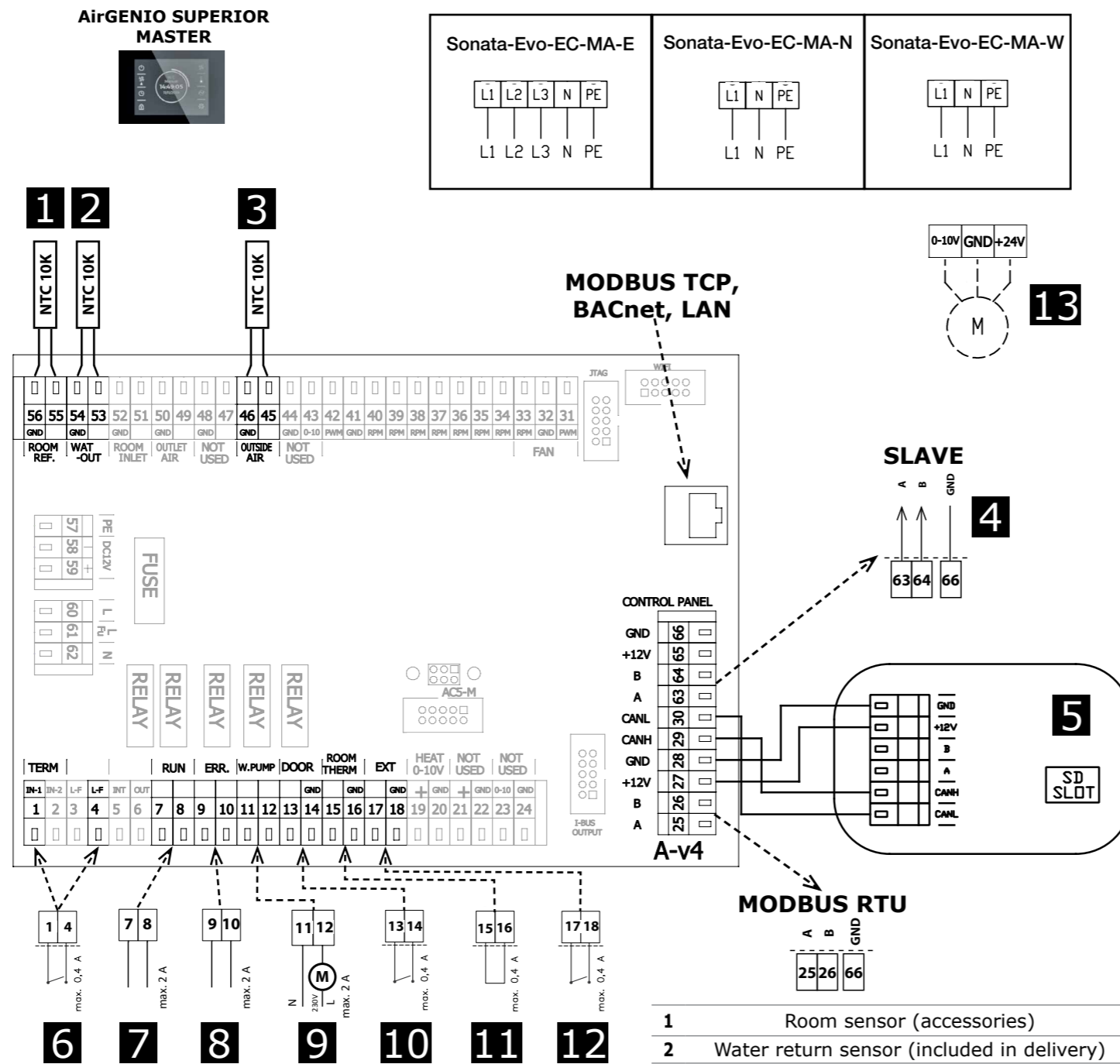
**6**

SLAVE	BCD
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A

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## WIRING DIAGRAMS

# WIRING DIAGRAMS



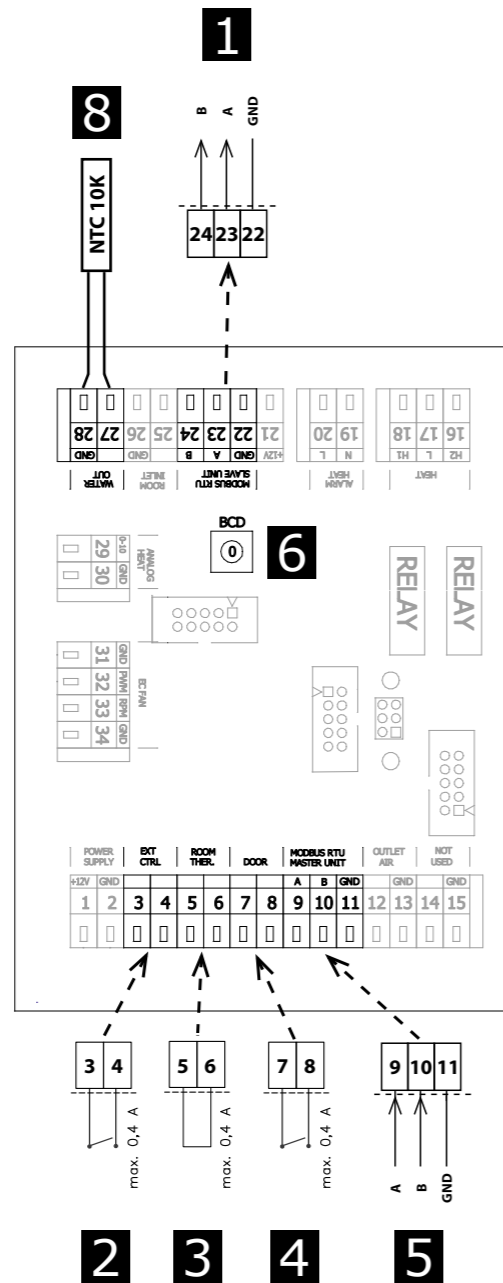
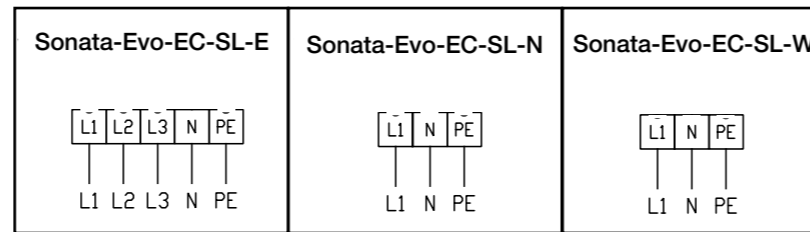
- 1 Room sensor (accessories)
- 2 Water return sensor (included in delivery)
- 3 Outside air sensor (included in delivery)
- 4 Signal to SLAVE unit
- 5 Control panel
- 6 Antifreeze thermostat (NC)
- 7 RUN contact (relay contact, NO/NC)
- 8 ERROR contact (relay contact, NO/NC)
- 9 Water pump (relay contact)
- 10 DOOR contact (input, NO/NC)
- 11 Room thermostat (input, NO/NC)
- 12 External control (input, NO/NC)

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## WIRING DIAGRAMS

# WIRING DIAGRAMS

## AirGENIO SUPERIOR SLAVE



- 1 Signal to SLAVE unit
- 2 External control - ON/OFF
- 3 Room thermostat (input)
- 4 DOOR contact (input)
- 5 Signal from MASTER unit
- 6 Address of the slave air curtain

**6**

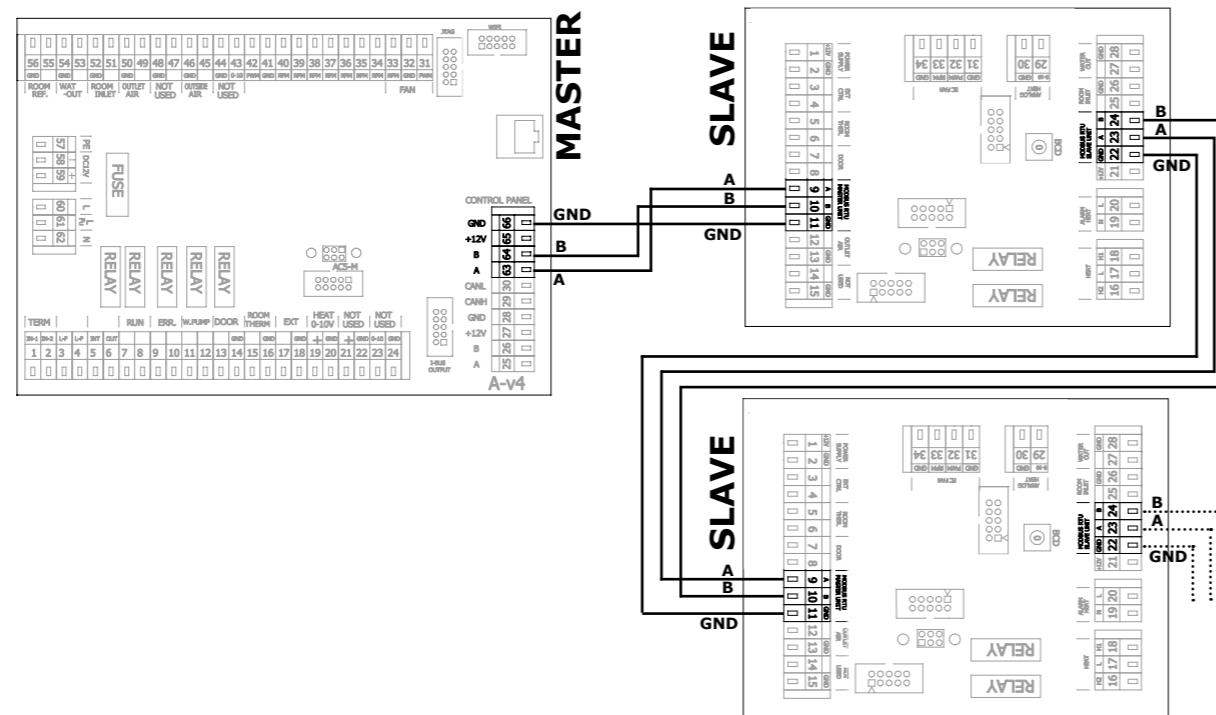
SLAVE	BCD
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A

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## WIRING DIAGRAMS

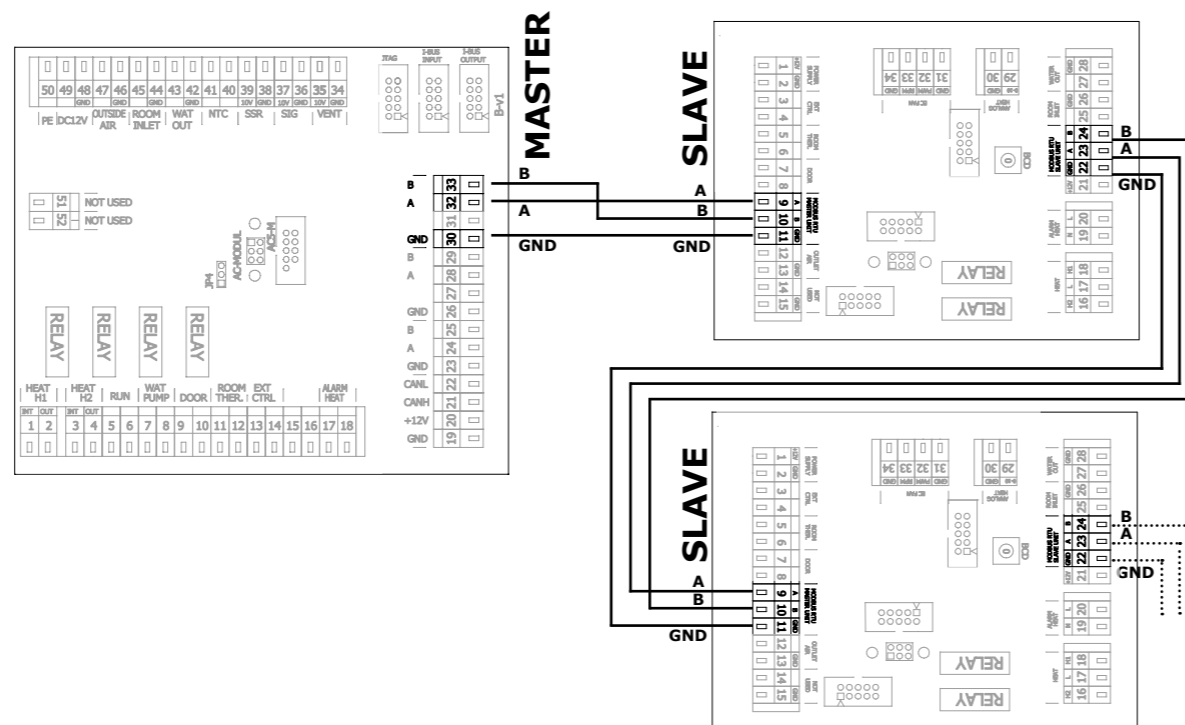
# WIRING DIAGRAMS

## AirGENIO SUPERIOR



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## AirGENIO COMFORT



## WIRING DIAGRAMS



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## TRANSPORT

After arrival, check the product for transport damage and shortcomings. In case of any damage or shortcomings, immediately contact your supplier.

## STORAGE

If the product is not installed immediately:

- Remove any wrapping.
- Protect product from dust and contamination.
- Do not expose the curtain to the effects of weather, store the damper in a dry place.

**Please properly dispose of packaging material!**

## MAINTENANCE AND OPERATION

Klimaoprema products are designed as such do not require cleaning and regular maintenance. However, mechanism should be systematically cleaned for proper operation.

- Provide a systematic cleaning of dust
- Cleaning instruction: clean with a sponge, with water or a mild detergent

## COMMISSIONING

- Carefully unpack - be careful of sharp edges and do not use excessive force for unpacking
- Ensure that all grilles are clean and free from residues and foreign matter.
- Ensure that the devices have been correctly installed
- Before commissioning: check the product functions







## AIR CURTAINS

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Design, Herstellung und Wartung von Geräten für Klimatisierung, Lüftung und Reinräume.  
Design, production and service of Ventilation, Air-Conditioning and Clean room equipment.

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