

# SAVE VSR 200/B

Accessories and electrical connections





# Table of Contents

<b>SAVE VSR 200/B + HW</b>	with water heater	4
<b>SAVE VSR 200/B + ELB</b>	with electric heater	5
<b>SAVE VSR 200/B + HW + CW</b>	with water heater and water cooler	6
<b>SAVE VSR 200/B + ELB + CW</b>	with electric heater and water cooler	7
<b>SAVE VSR 200/B + CW/HW</b>	with change-over heater/cooler	8
<b>SAVE VSR 200/B + VAV</b>	with variable air volume control	9
<b>SAVE VSR 200/B + CAV</b>	with constant air volume control	9
<b>SAVE VSR 200/B + CO2</b>	with sensor-based flow control CO <sub>2</sub>	10
<b>SAVE VSR 200/B + ON/OFF</b>	with sensor-based flow control ON/OFF	11
<b>SAVE VSR 200/B + CH</b>	with cookerhood connection	12

## Description of icons

Electric heater



Water heater



Water cooler



Change-over heater/cooler



Air flow control



Fireplace mode



Manual mode



Holidays



Vacuum cleaner \*



Cooker hood \*



Away mode




Crowded mode



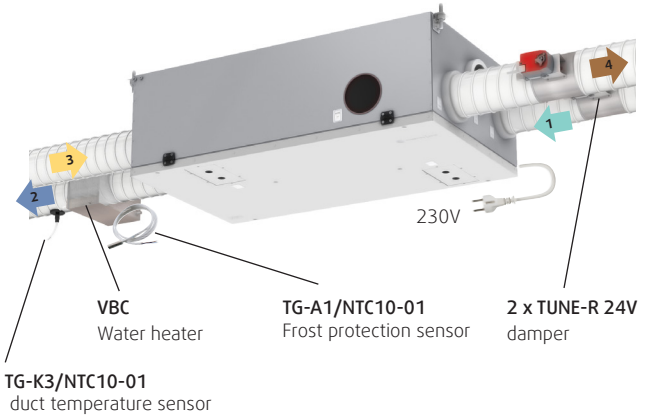
\* function is only available via an external signal



# SAVE VSR 200/B + HW

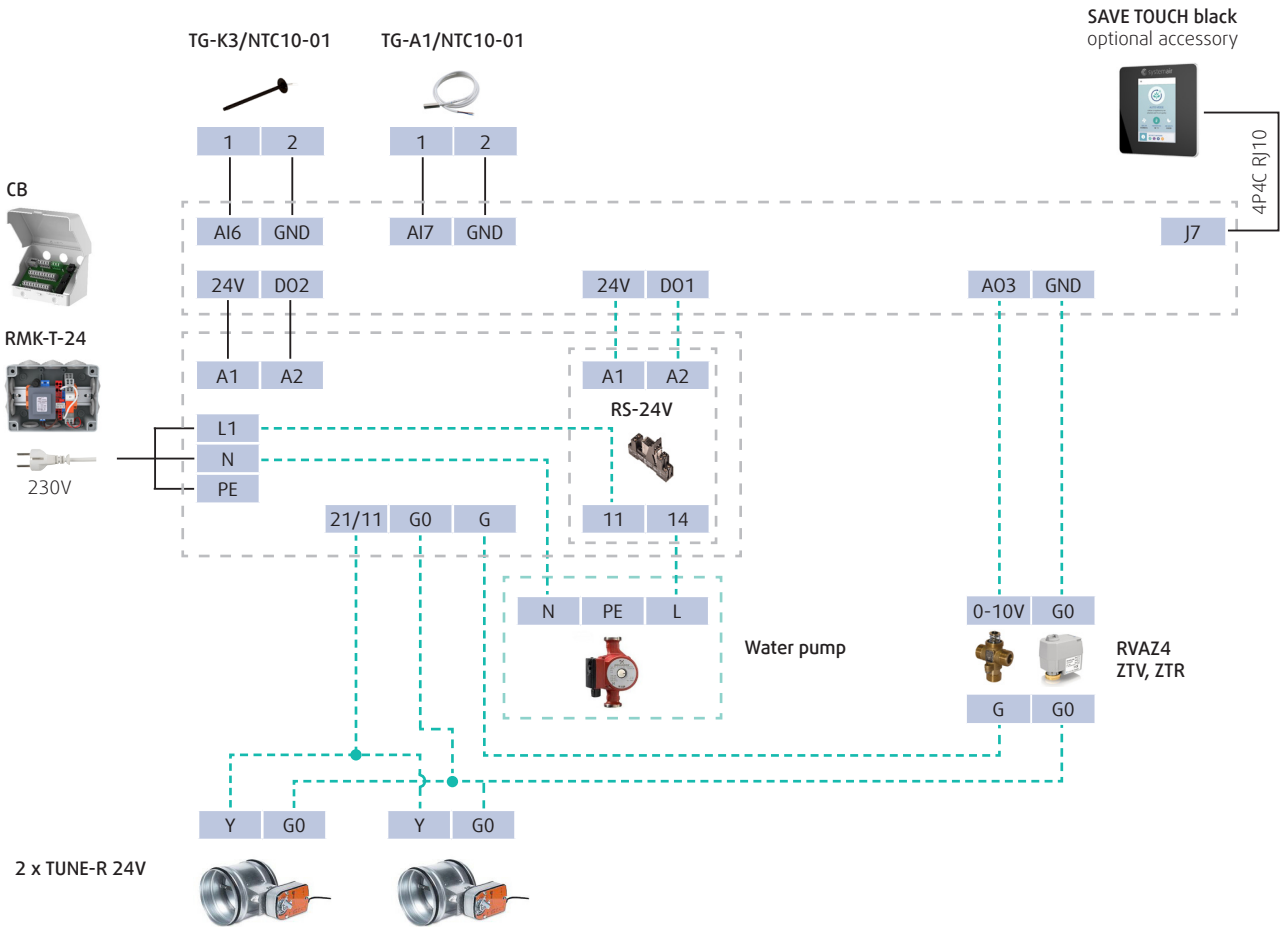
With water heater 

Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
VBC		Water heater	1
RMK-T-24	153548	Switching module	1
RS-24V	159484	Relay	1
RVAZ4	9862	Valve actuator 24A, 0-10V*	1
ZTV, ZTR		2 or 3-way valve *	1
TG-K3/NTC10-01	211524	Temperature sensor	1
TG-A1/NTC10-01	211523	Frost protection sensor	1
<b>External accessories</b>			
Water pump			1






**Legend:**  
 1. Outdoor air  
 2. Supply air  
 3. Extract air  
 4. Exhaust air


## Wiring diagram



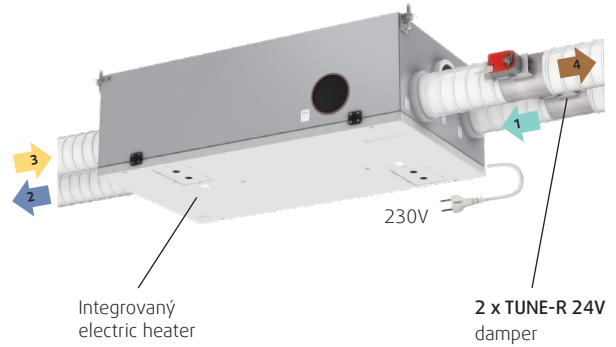
**NOTE:**  
 All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).  
 All PE terminals must be grounded.

**Legend:**  
 Cable included from Systemair  
 The cable is not included with the Systemair, recommended CYKY type .. x 1,0  
 Accessories not included from factory

# SAVE VSR 200/B + ELB

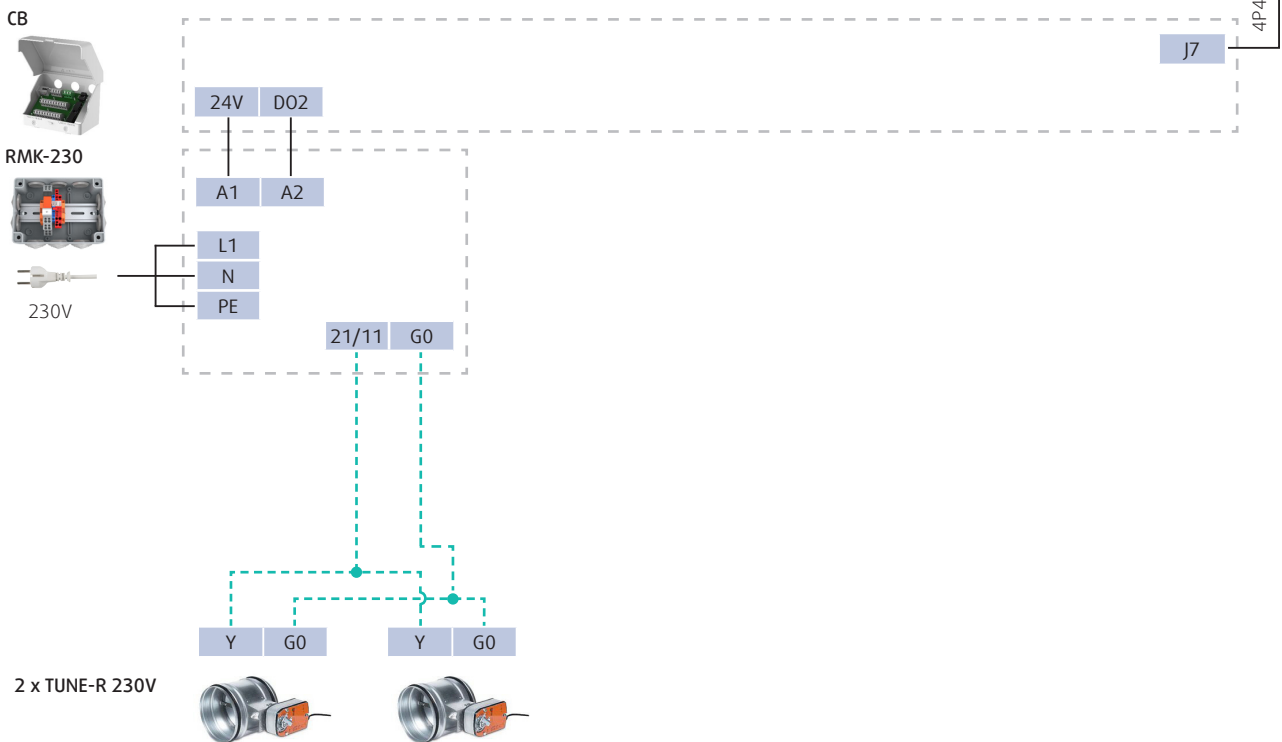
With electric heater 

Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
TUNE-R 230V		Damper with actuator	2
RMK-230	153549	Switching module	1



- Legend:**
- 1. Outdoor air
  - 2. Supply air
  - 3. Extract air
  - 4. Exhaust air



## Wiring diagram



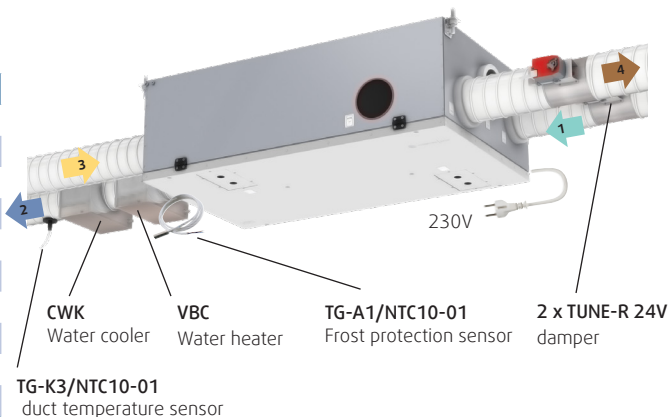
**NOTE:**  
 All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).  
 Všechny PE svorky musí být uzemněny.

- Legend:**
-  Cable included from Systemair
  -  The cable is not included with the Systemair, recommended CYKY type .. x 1,5
  -  Accessories not included from factory

# SAVE VSR 200/B + HW + CW

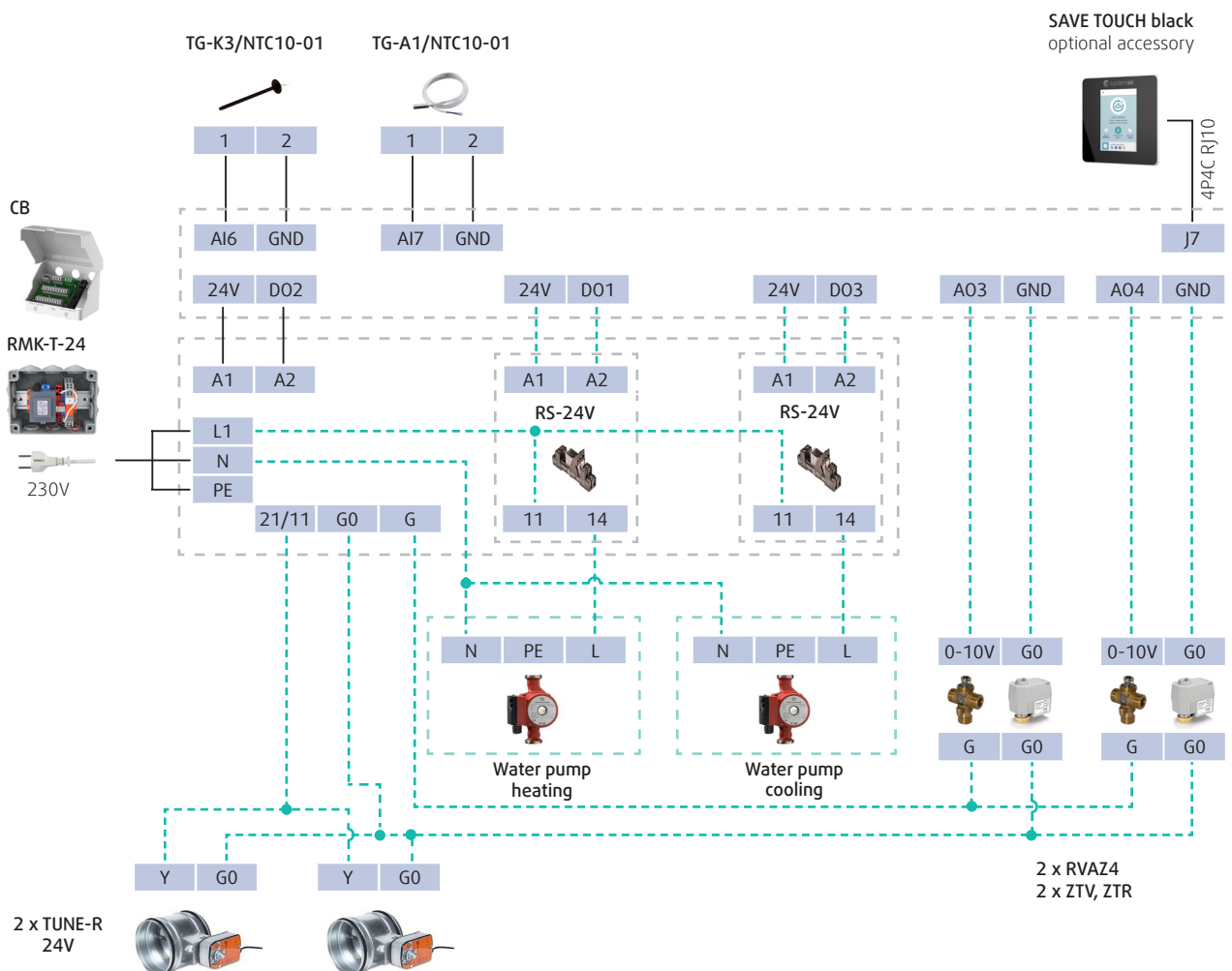
With water heater and water cooler  

Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
VBC		Water heater	1
CWK		Water cooler	1
RMK-T-24	153548	Switching module	1
RS-24V	159484	Relay	2
RVAZ4	9862	Valve actuator 24A, 0-10V*	2
ZTV, ZTR		2 or 3-way valve *	2
TG-K3/NTC10-01	211524	Temperature sensor	1
TG-A1/NTC10-01	211523	Frost protection sensor	1
<b>External accessories</b>			
Water pump			2



- Legend:**
1. Outdoor air
  2. Supply air
  3. Extract air
  4. Exhaust air



## Wiring diagram



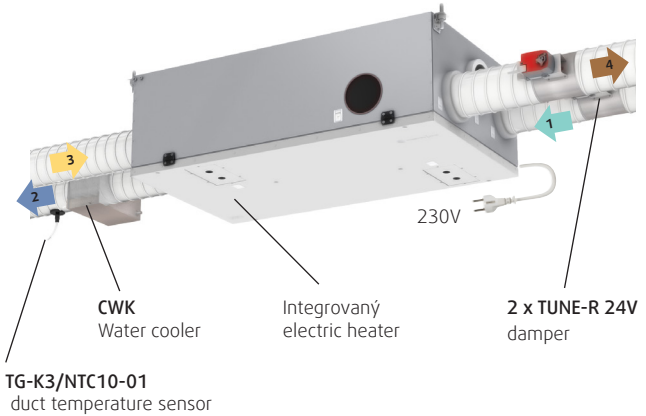
**NOTE:**  
 All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).  
 All PE terminals must be grounded.

- Legend:**
- Cable included from Systemair
  - The cable is not included with the Systemair, recommended CYKY type .. x 1,0
  - Accessories not included from factory

# SAVE VSR 200/B + ELB + CW

With electric heater and water cooler  

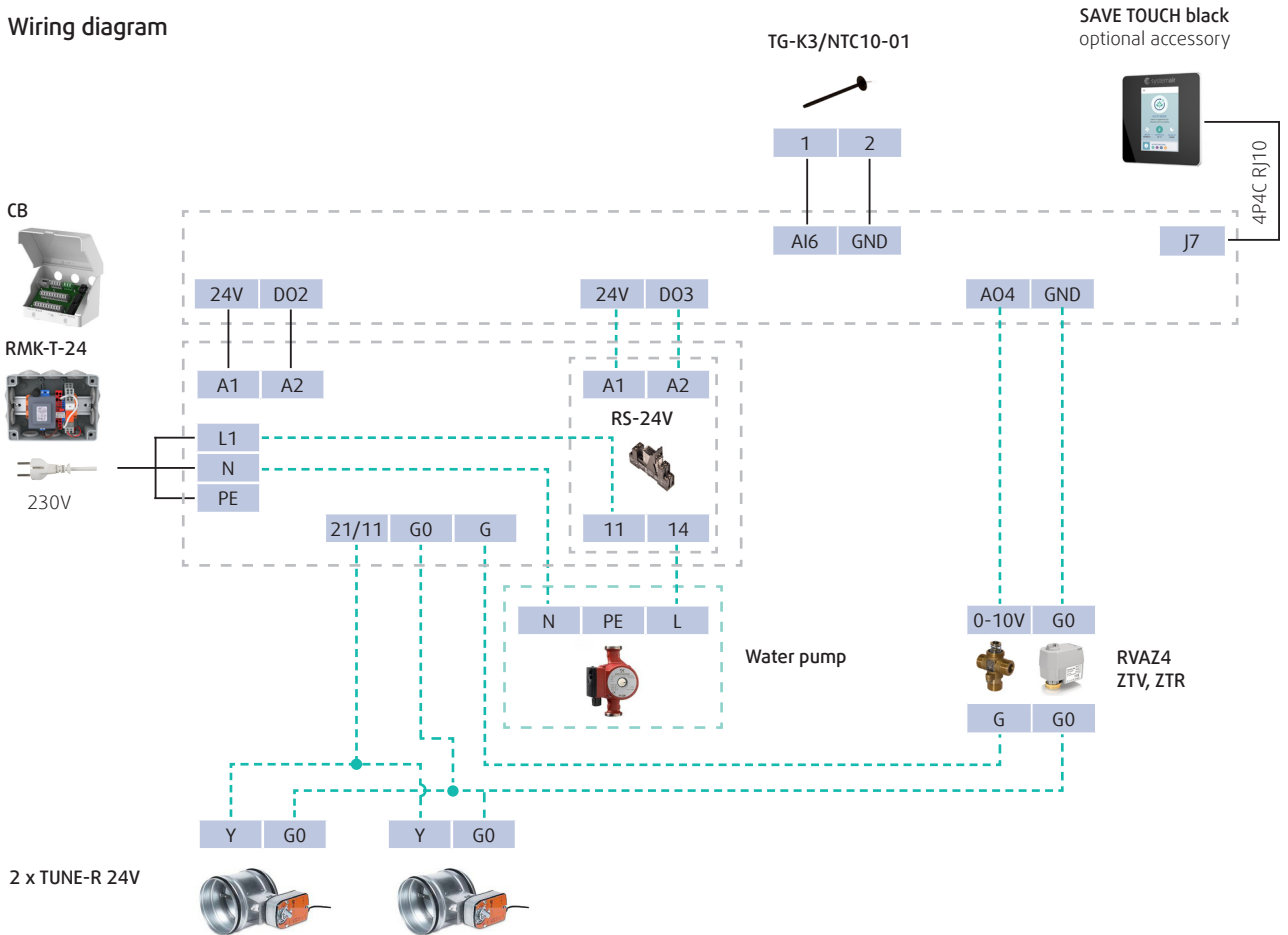
Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
CWK		Water cooler	1
RMK-T-24	153548	Switching module	1
RS-24V	159484	Relay	1
RVAZ4	9862	Valve actuator 24A, 0-10V*	1
ZTV, ZTR		2 or 3-way valve *	1
TG-K3/NTC10-01	211524	Temperature sensor	1
<b>External accessories</b>			
Water pump			1






TG-K3/NTC10-01 duct temperature sensor

- Legend:**  
 1. Outdoor air  
 2. Supply air  
 3. Extract air  
 4. Exhaust air


## Wiring diagram



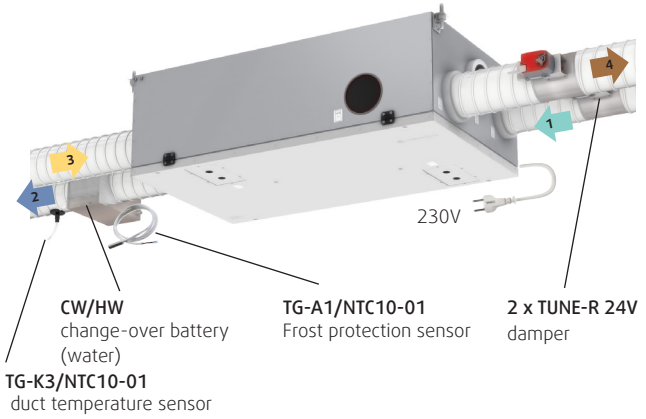
**NOTE:**  
 All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).  
 All PE terminals must be grounded.

- Legend:**
-  Cable included from Systemair
  -  The cable is not included with the Systemair, recommended CYKY type .. x 1,0
  -  Accessories not included from factory

# SAVE VSR 200/B + CW/HW

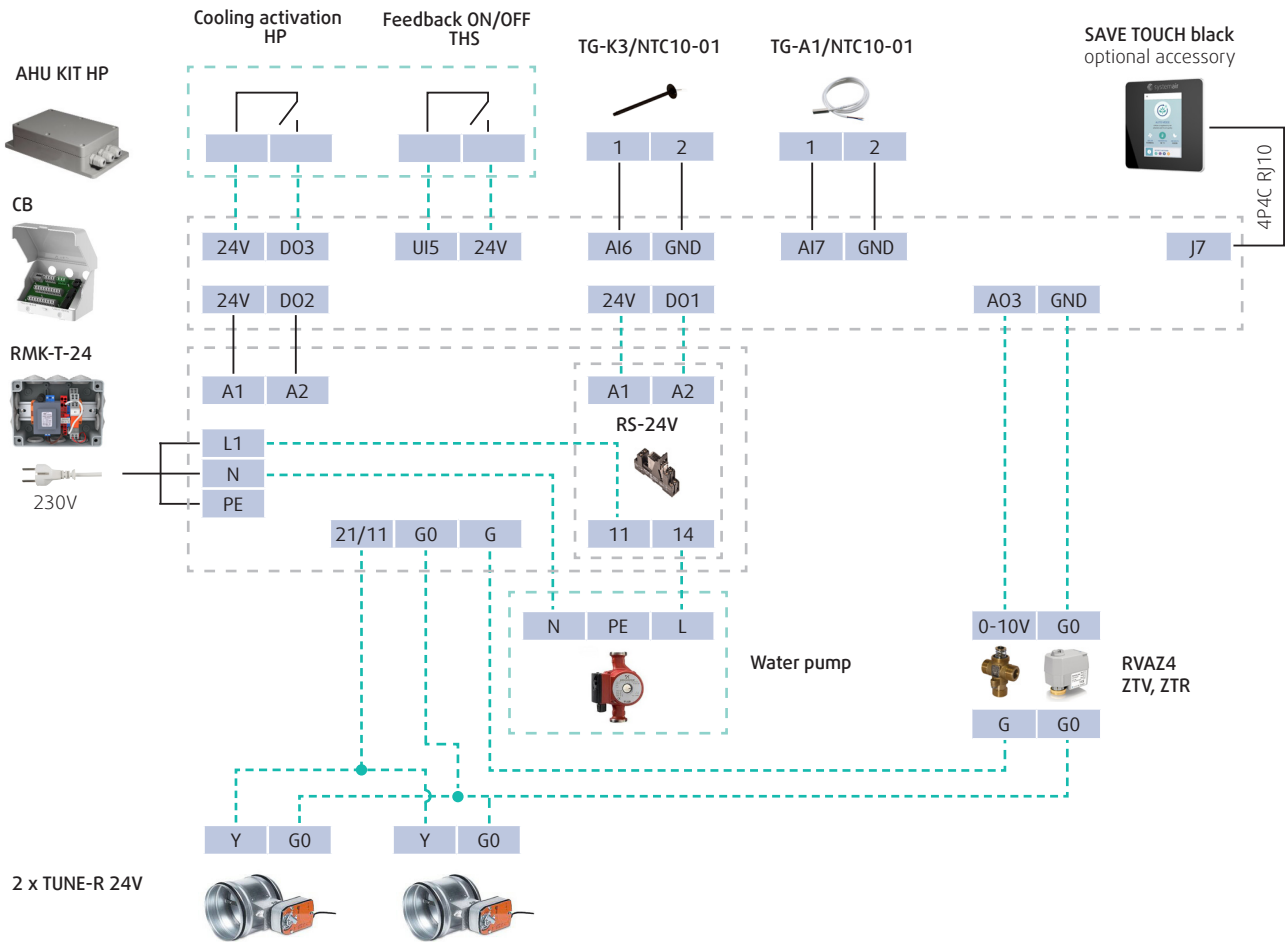
With change-over heater/cooler 

Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
CW/HW		Change-over battery (water)	1
RMK-T-24	153548	Switching module	1
RS-24V	159484	Relay	1
RVAZ4	9862	Valve actuator 24A, 0-10V*	1
ZTV, ZTR		2 or 3-way valve *	1
TG-K3/NTC10-01	211524	Temperature sensor	1
TG-A1/NTC10-01	211523	Frost protection sensor	1
External accessories			
AHU KIT HP		Heat pump controller	1
Water pump			1



- Legend:**
1. Outdoor air
  2. Supply air
  3. Extract air
  4. Exhaust air

## Wiring diagram



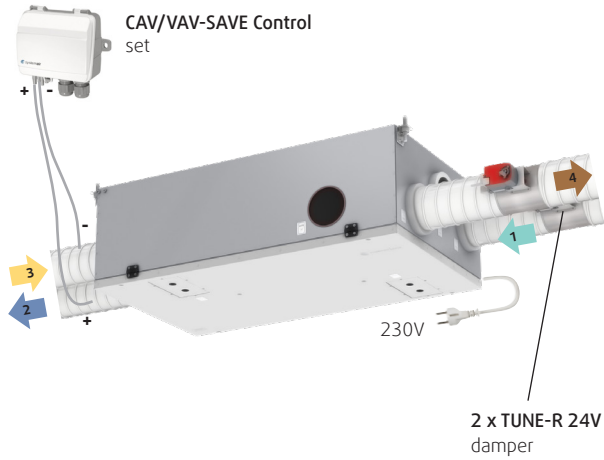
**NOTE:**  
**Heating mode:** „Cooling activation“ = OFF and water circuit thermostat at the same time. THS reaches the set value (terminals closed).  
**Cooling mode:** „Cooling activation“ = ON and the water circuit thermostat at the same time THS does not reach the set value (terminals open).  
 All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).  
 All PE terminals must be grounded.

- Legend:**
- Cable included from Systemair
  - The cable is not included with the Systemair, recommended CYKY type .. x 1,0
  - Accessories not included from factory



## SAVE VSR 200/B + VAV

With variable air volume control 




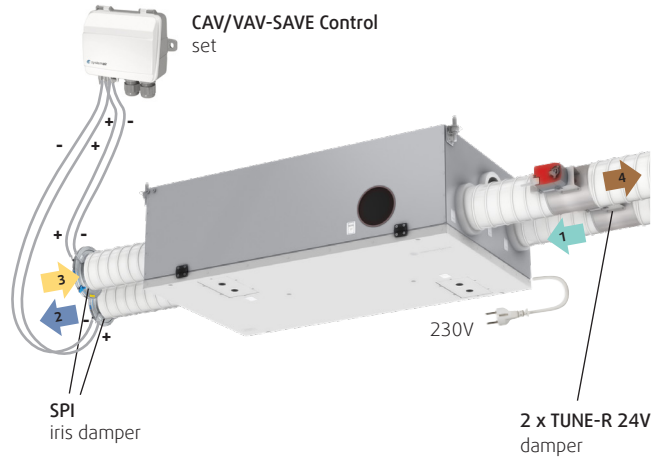
**Legend:**

- 1. Outdoor air
- 2. Supply air
- 3. Extract air
- 4. Exhaust air

Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
VAV/CAV conversion kit	140777	CAV/VAV control kit	1

## SAVE VSR 200/B + CAV

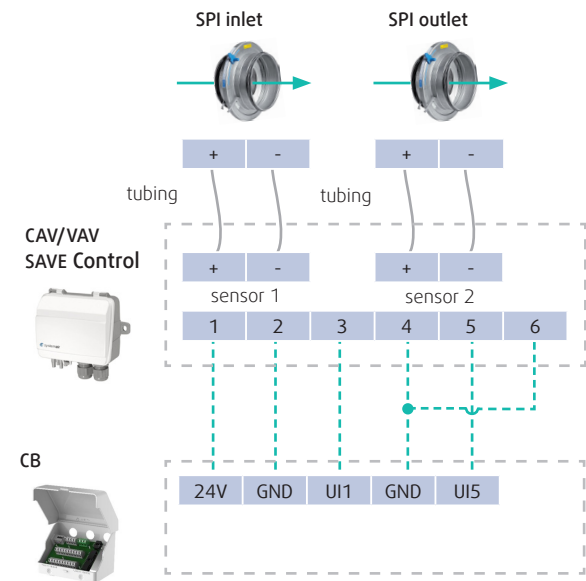
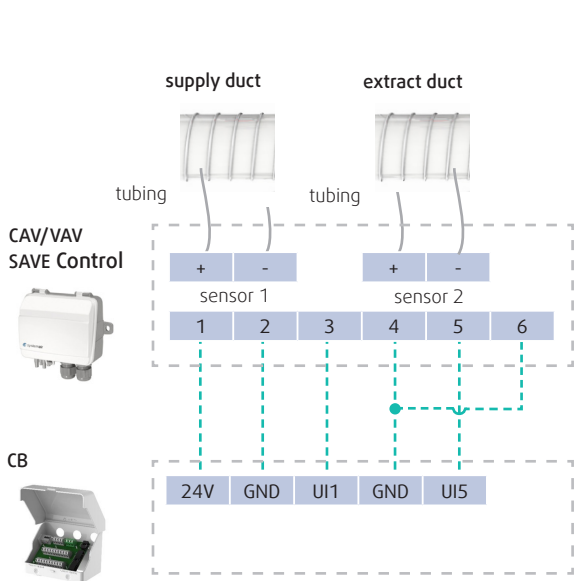
With constant air volume control 



**Legend:**

- 1. Outdoor air
- 2. Supply air
- 3. Extract air
- 4. Exhaust air




Systemair products	Item no.	Description	Pcs
SAVE VSR 200/B		Air handling unit	1
VAV/CAV conversion kit	140777	CAV/VAV control kit	1
SPI		Iris damper with K factor	2



**NOTE:**

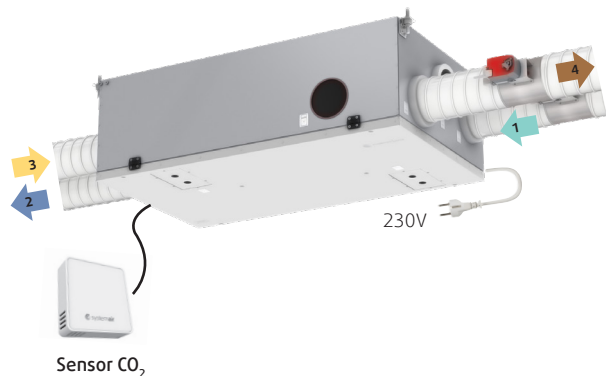
All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).  
 Terminal 3 = sensor 1 = UI1 = supply fan  
 Terminal 5 = sensor 2 = UI5 = extract fan

**Legend:**

-  Cable included from Systemair
-  The cable is not included with the Systemair, recommended CYKY type .. x 1,0
-  Accessories not included from factory

# SAVE VSR 200/B + CO<sub>2</sub>

With sensor-based flow control CO<sub>2</sub> 



**Legend:**

- 1. Outdoor air
- 2. Supply air
- 3. Extract air
- 4. Exhaust air

**Systemair-E CO2**  
Sensor CO<sub>2</sub>



**Systemair CO2-RH-T**  
Sensor CO<sub>2</sub>, humidity and temperature



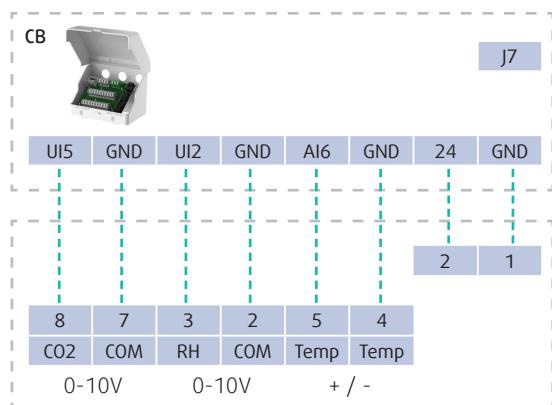
**Systemair E-D-CO2**  
Sensor CO<sub>2</sub>



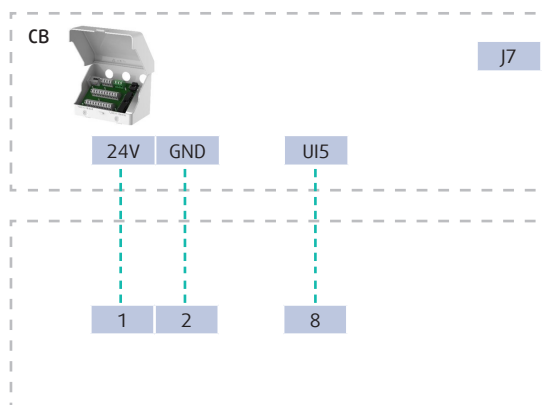
**Systemair 1-CO2**  
Sensor CO<sub>2</sub>



**Wiring diagram**



**Systemair CO2-RH-T**  
Sensor CO<sub>2</sub>, humidity and temperature



**Systemair-E CO2**  
Sensor CO<sub>2</sub>



**Systemair E-D-CO2**  
Sensor CO<sub>2</sub>






**Systemair 1-CO2**  
Sensor CO<sub>2</sub>



**NOTE:**

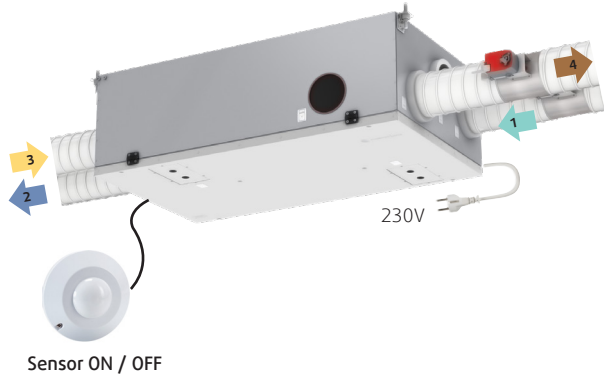
All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).

**Legend:**

-  Cable included from Systemair
-  The cable is not included with the Systemair, recommended CYKY type .. x 1,0
-  Accessories not included from factory

# SAVE VSR 200/B + ON/OFF

With sensor-based flow control ON/OFF 



**IR-24PC**  
Motion sensor



**DTV**  
Pressure sensor



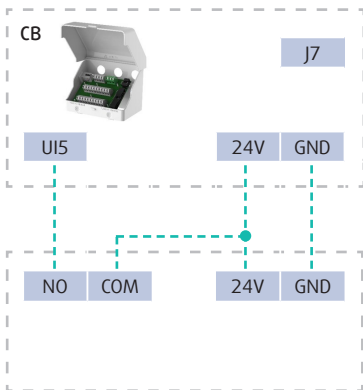
**ON / OFF**  
switch



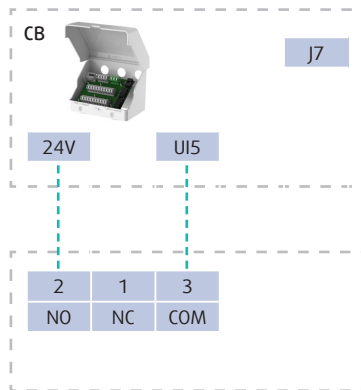
**Legend:**

- 1. Outdoor air
- 2. Supply air
- 3. Extract air
- 4. Exhaust air

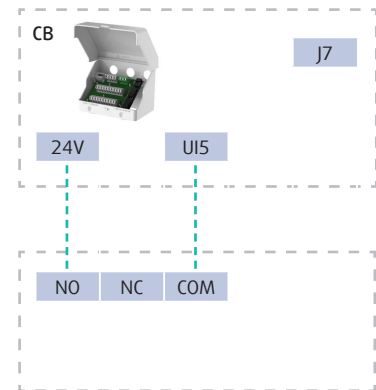
**Wiring diagram**



**IR-24PC**  
Motion sensor



**DTV**  
Pressure sensor






**ON / OFF**  
Switch



**NOTE:**

All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).

**Legend:**

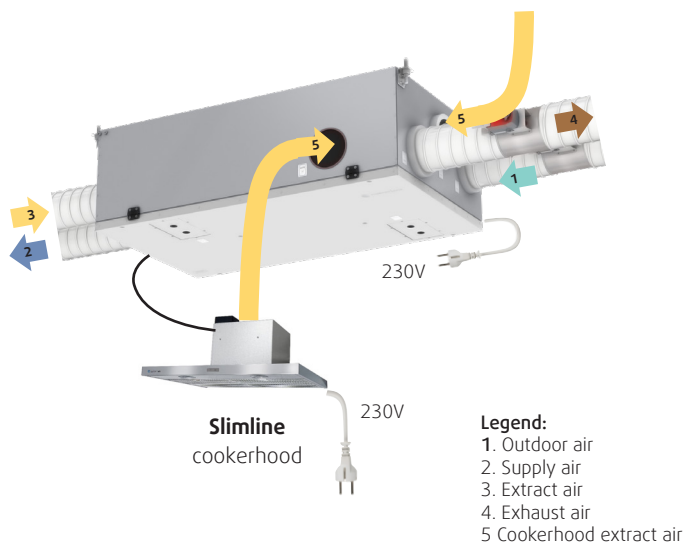
-  Cable included from Systemair
-  The cable is not included with the Systemair, recommended CYKY type .. x 1,0
-  Accessories not included from factory

**Hierarchy of signals**



# SAVE VSR 200/B + CH

With cookerhood connection



- Legend:**
- 1. Outdoor air
  - 2. Supply air
  - 3. Extract air
  - 4. Exhaust air
  - 5. Cookerhood extract air

**Tender**  
cookerhood



**Opal**  
cookerhood



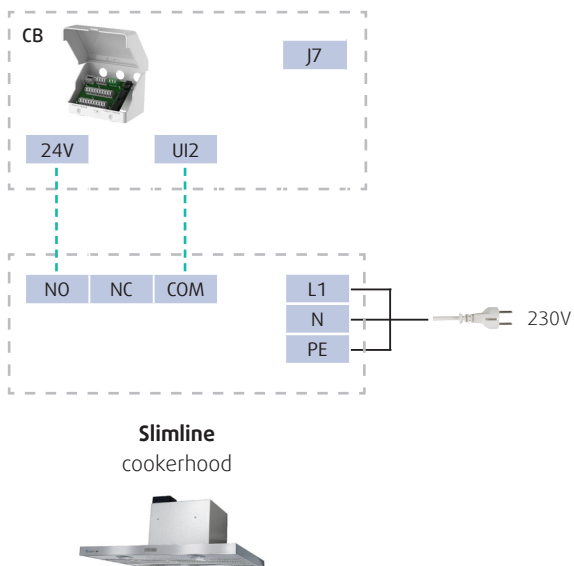
**Stil**  
cookerhood



**Slimline**  
cookerhood



## Wiring diagram



**NOTE:**  
All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03).

**Legend:**

- Cable included from Systemair
- The cable is not included with the Systemair, recommended CYKY type .. x 1,0
- Accessories not included from factory

## Hierarchy of signals

High



Medium



Low





