

SAVE VSR 150

Accessories and electrical connections





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Description of icons

Electric heater



Water heater



Water cooler



Change-over heater/cooler



Air flow control



Fireplace mode



Manual mode



Holidays mode



Vacuum cleaner *



Cooker hood *



Away mode



Crowded mode



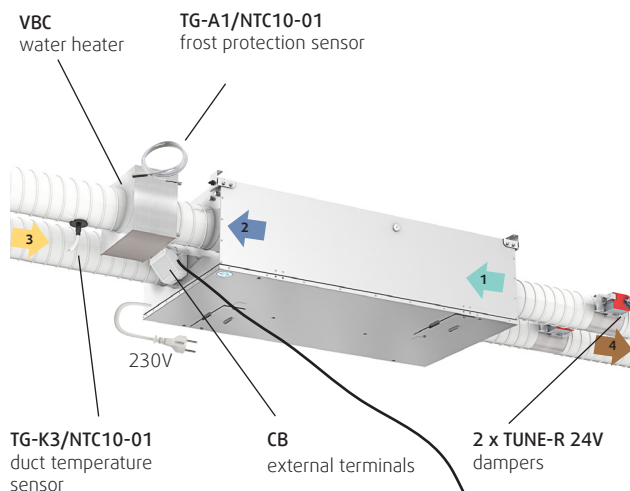
* function is only available via an external signal



SAVE VSR 150 + VBC

With water heater 

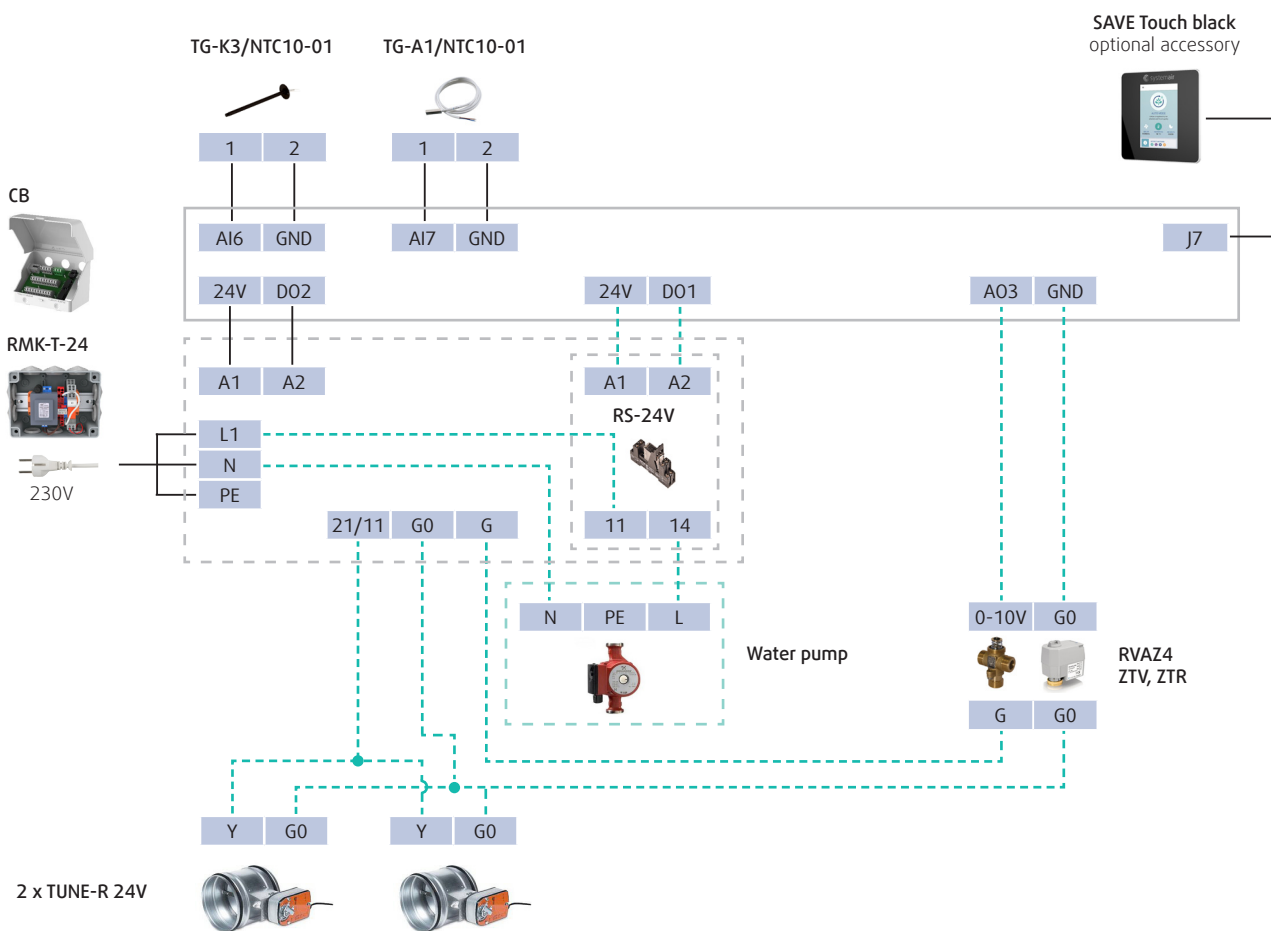
Systemair products	Item no.	Description	Pcs
SAVE VSR 150		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
VBC		Water heater	1
RMK-T-24	153548	Switching module	1
RS-24V	159484	Relay	1
RVAZ4	9862	Valve actuator 24A, 0-10V*	1
ZTV, ZTR		2 or 3-way valve *	1
TG-K3/NTC10-01	211524	Temperature sensor	1
TG-A1/NTC10-01	211523	Frost protection sensor	1
External accessories			
Water pump			1



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

SAVE Touch black

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.

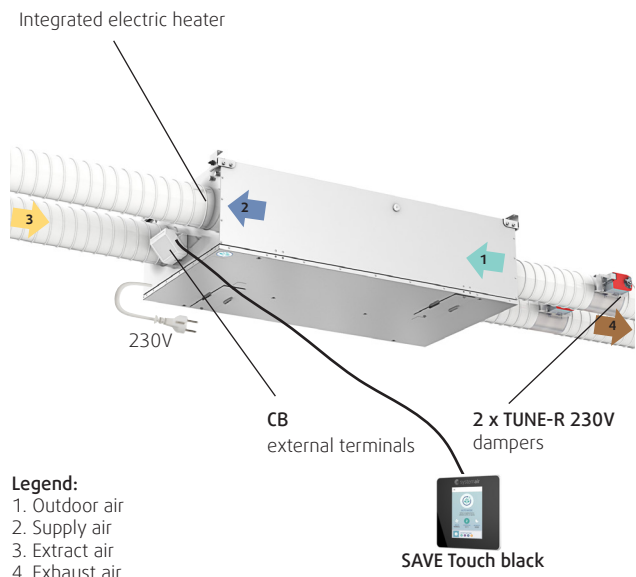
Legend:

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

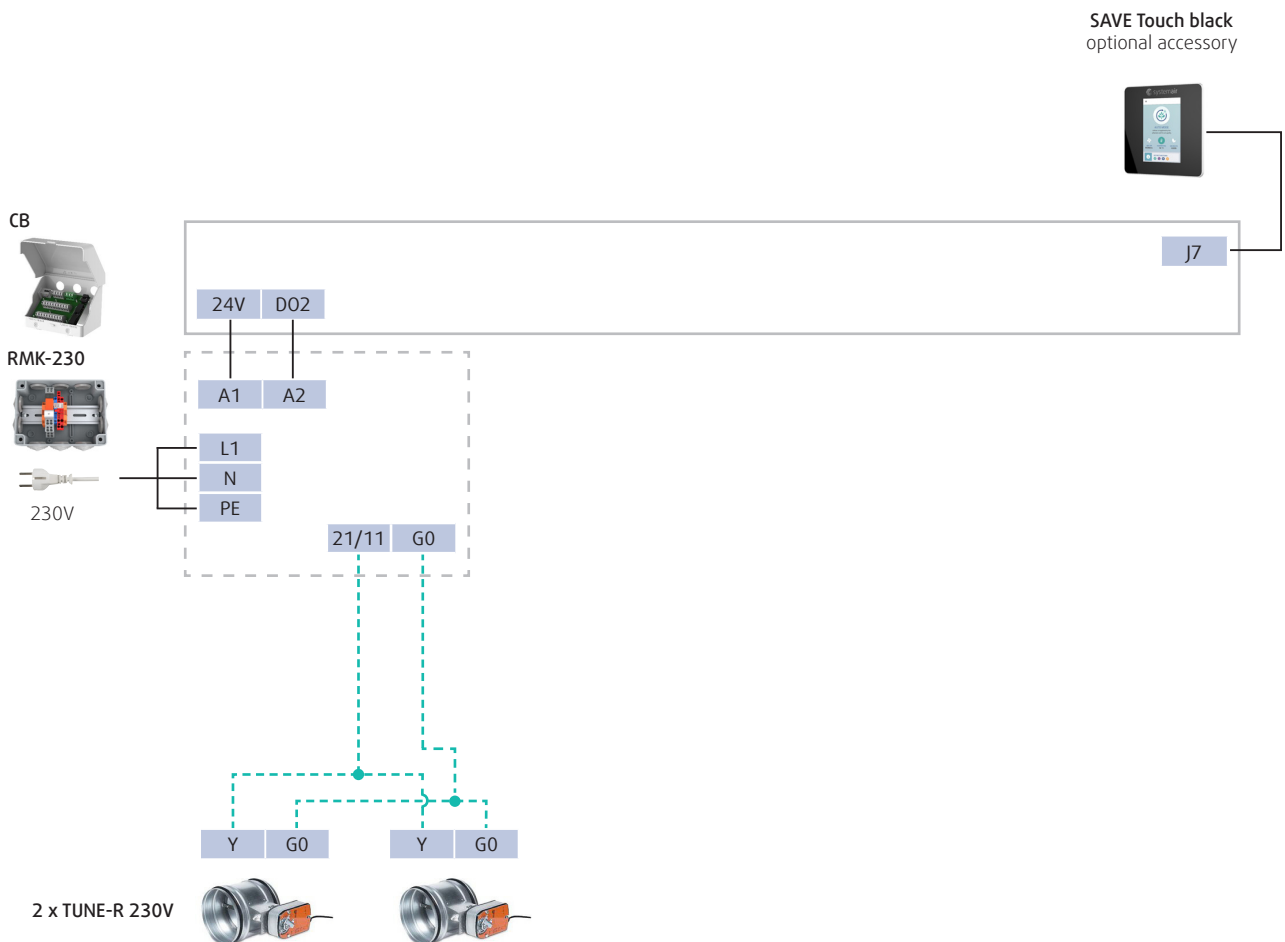
SAVE VSR 150 + ELB

With electric heater 

Systemair products	Item no.	Description	Pcs
SAVE VSR 150		Air handling unit	1
TUNE-R 230V		Dampers with actuator	2
RMK-230	153549	Switching module	1



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.

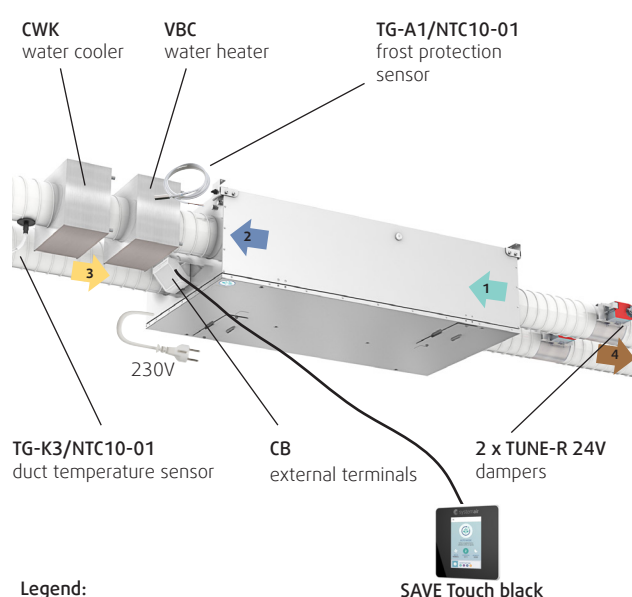
Legend:

-  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 150 + VBC + CWK

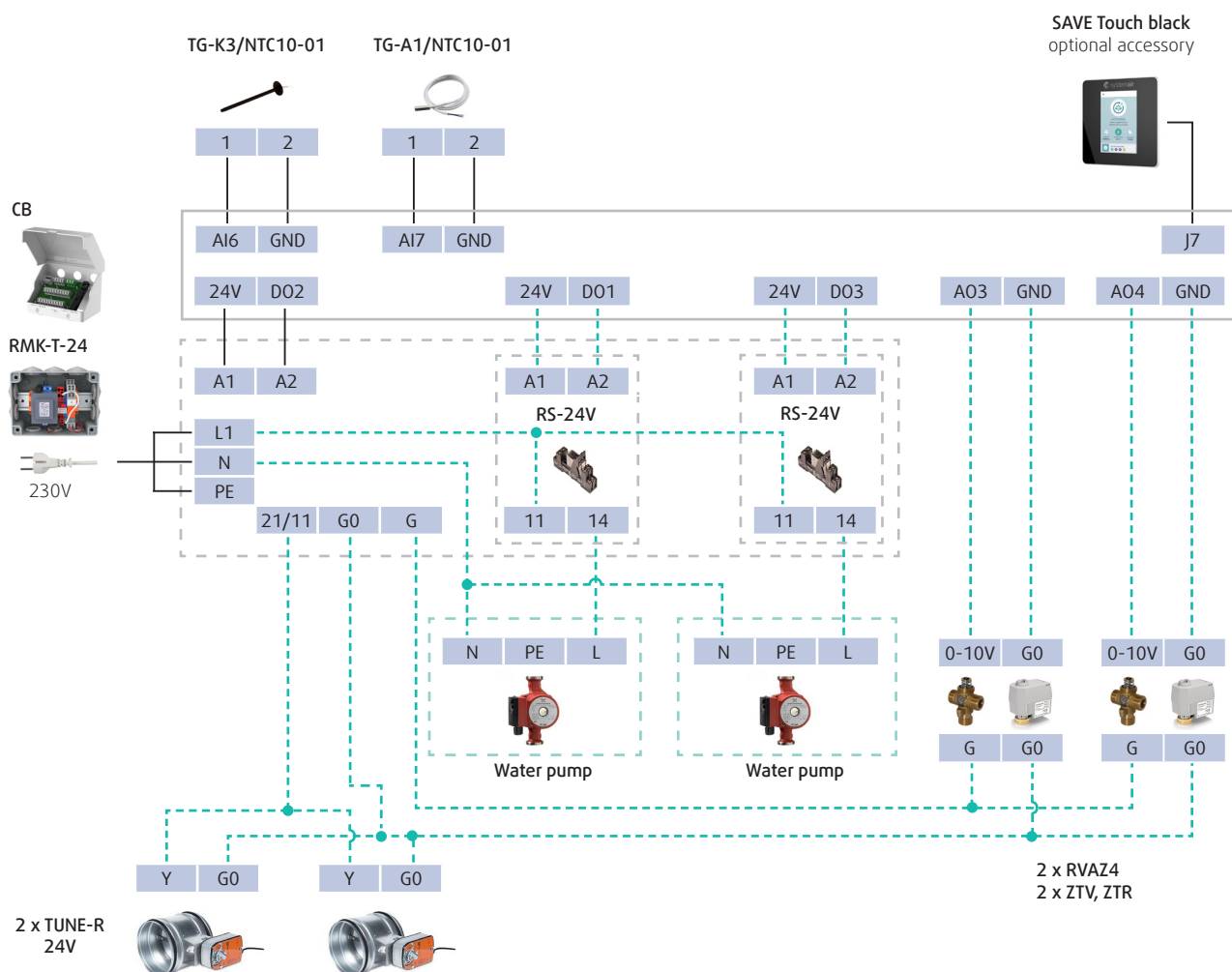
With water heater and water cooler  

Systemair products	Item no.	Description	Pcs
SAVE VSR 150		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
External accessories			
Water pump			2



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

Wiring diagram



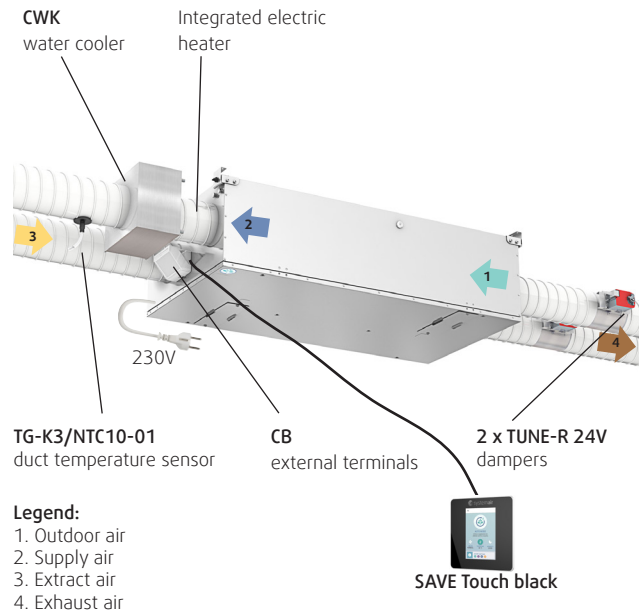
NOTE:
 All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. AO5 instead of AO3).
 All PE terminals must be grounded.

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

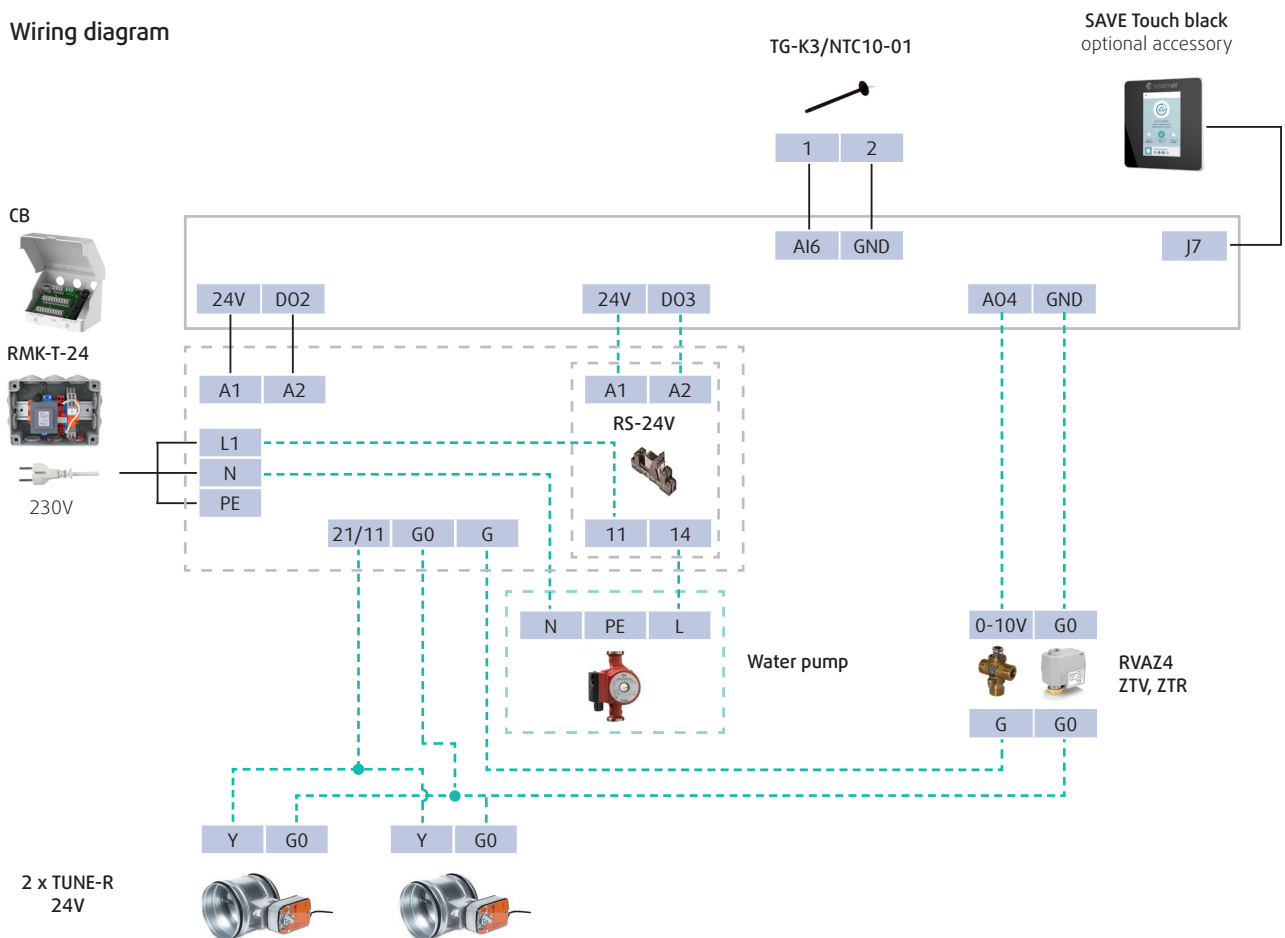
SAVE VSR 150 + ELB + CW

With electric heater and water cooler  

Systemair products	Item no.	Description	Pcs
SAVE VSR 150		Air handling unit	1
TUNE-R		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
External accessories			
Water pump			1



Wiring diagram



NOTE:

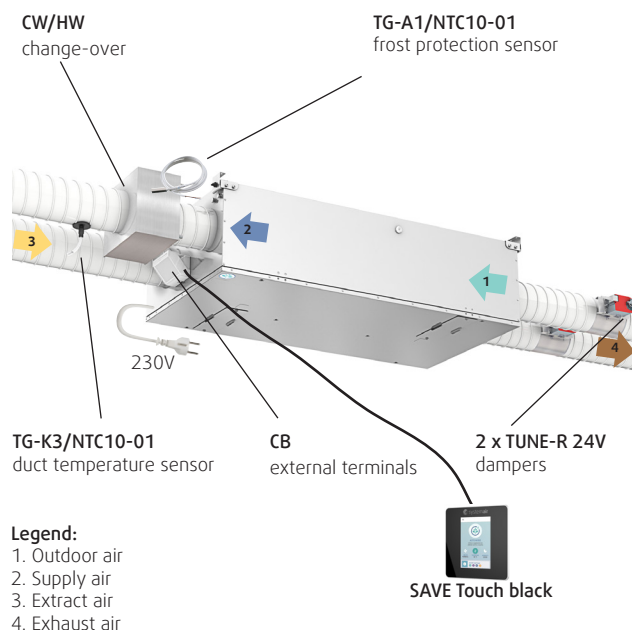
All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. A05 instead of A03). All PE terminals must be grounded.

SAVE VSR 150 + CW/HW

With change-over heater/cooler



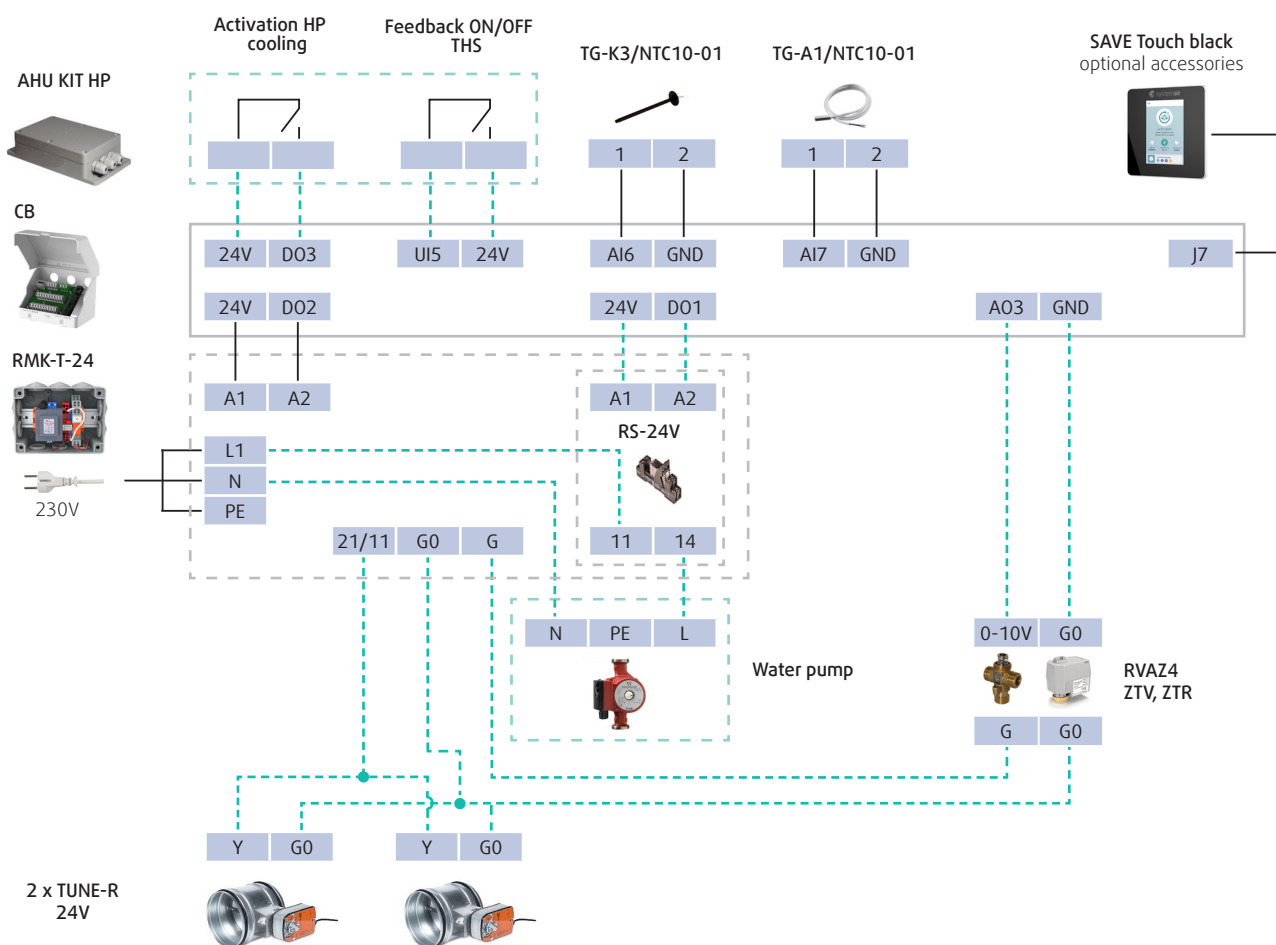
Systemair products	Item no.	Description	Pcs
SAVE VSR 150		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
CW/HW		Change-over battery (water)	1
RMK-T-24	153548	Switching module	1
RS-24V	159484	Relay	1
RVAZ4	9862	Valve actuator 24A, 0-10V	1
ZTV, ZTR		2 or 3-way valve	1
TG-K3/NTC10-01	211524	Temperature 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:

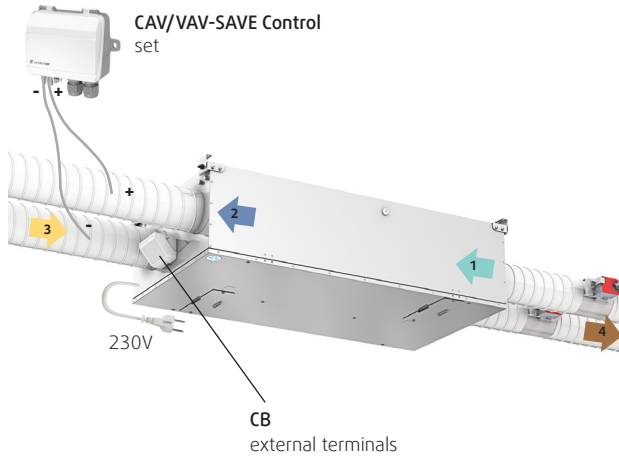
Heating mode: „Cooling activation“ = OFF and water circuit thermostat at the same time. THS reaches the set value (terminals closed).
 Cooling mode: „Cooling activation“ = ON and the water circuit thermostat at the same time THS does not reach the set value (terminals open).
 All outputs and inputs must 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 150 + VAV

With variable air volume control 

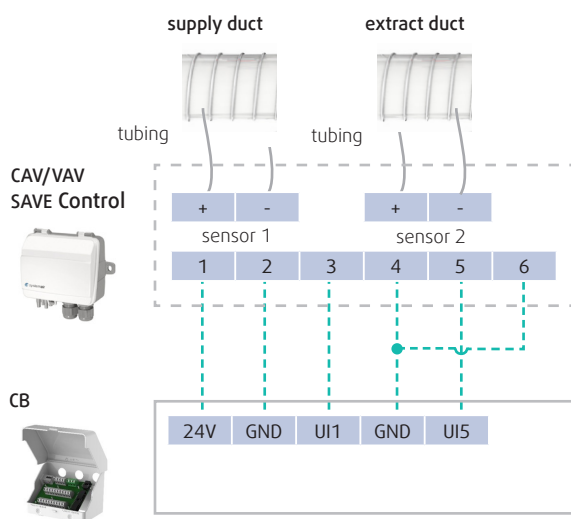


Legend:

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

Systemair products	Item no.	Description	Pcs
SAVE VSR 150		Air handling unit	1
VAV/CAV conversion kit	140777	CAV/VAV control kit	1

Wiring diagram

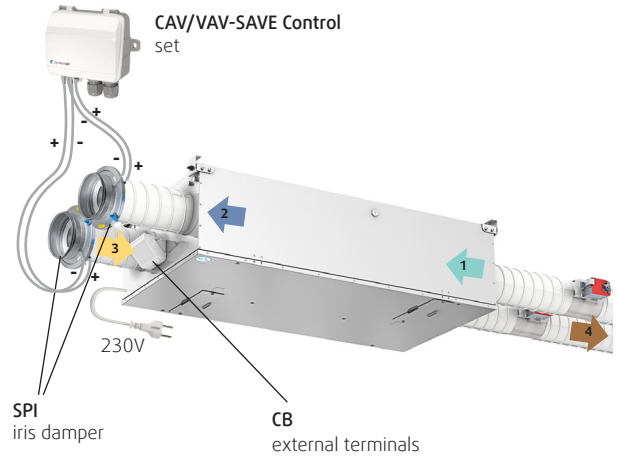


NOTE:

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).
Terminal 3 = sensor 1 = UI1 = supply fan
Terminal 5 = sensor 2 = UI5 = extract fan

SAVE VSR 150 + CAV

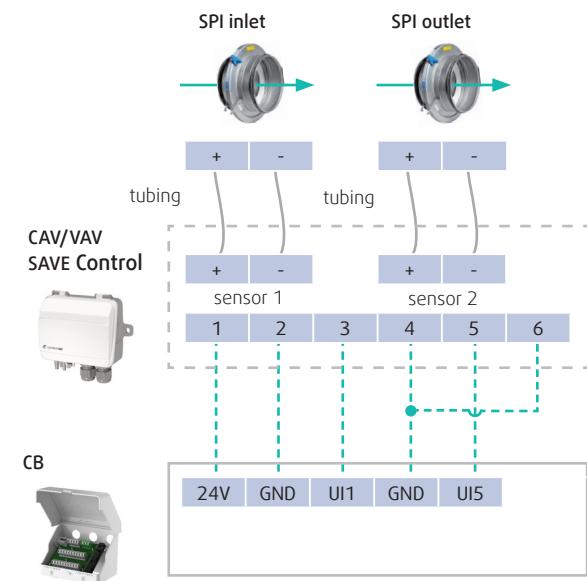
With constant air volume control 



Legend:

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

Systemair products	Item no.	Description	Pcs
SAVE VSR 150		Air handling unit	1
VAV/CAV conversion kit	140777	CAV/VAV control kit	1
SPI		Damper with K factor	2

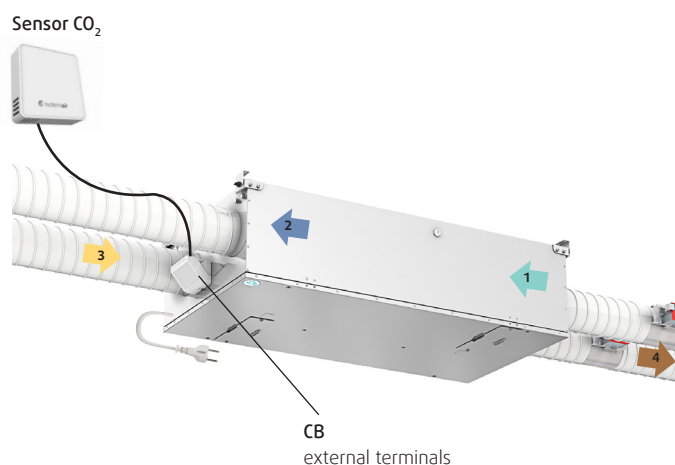


Legend:

-  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 150 + CO₂

With airflow control based on CO₂ 



Legend:

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

Systemair-E CO₂

sensor CO₂



Systemair CO₂-RH-T

sensor CO₂, humidity and temperature



Systemair E-D-CO₂

sensor CO₂ with display

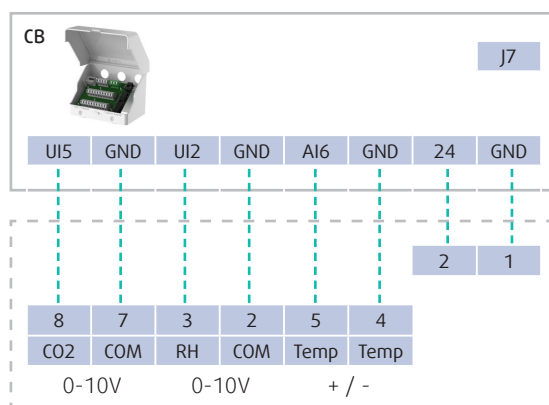


Systemair 1-CO₂

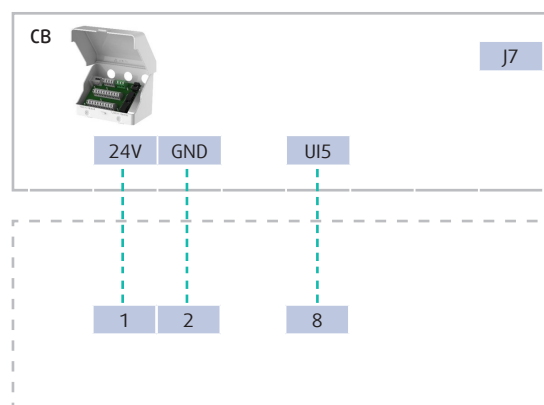
duct sensor CO₂



Wiring diagram



Systemair CO₂-RH-T
sensor CO₂, humidity and temperature



Systemair-E CO₂
sensor CO₂



Systemair E-D-CO₂
sensor CO₂



Systemair 1-CO₂
sensor CO₂



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).

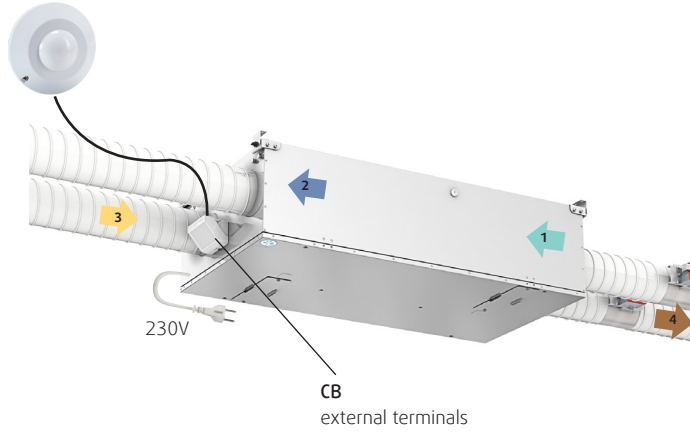
Legend:

-  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 150 + ON/OFF

With airflow control based on ON/FF sensors 

sensor ON / OFF



CB
external terminals

Legend:

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

IR-24PC
motion sensor



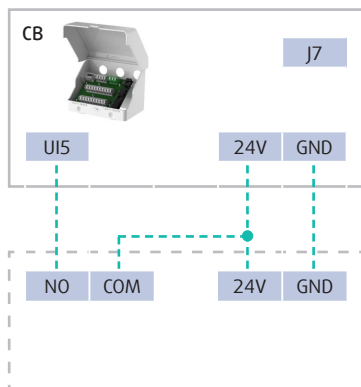
DPR 200T
pressure sensor



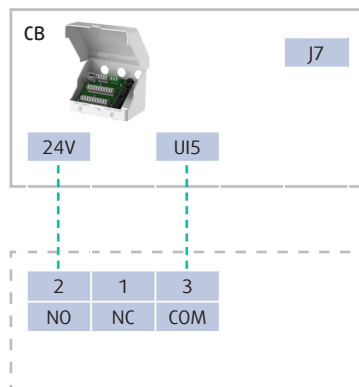
ON / OFF
switch



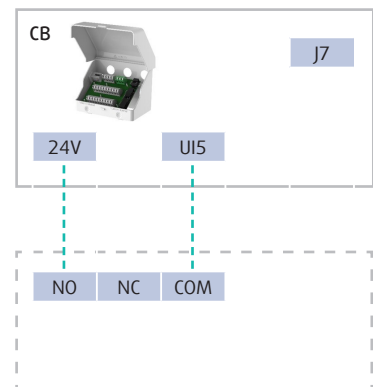
Wiring diagram



IR-24PC
motion sensor



DPR 200T
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

High



Medium

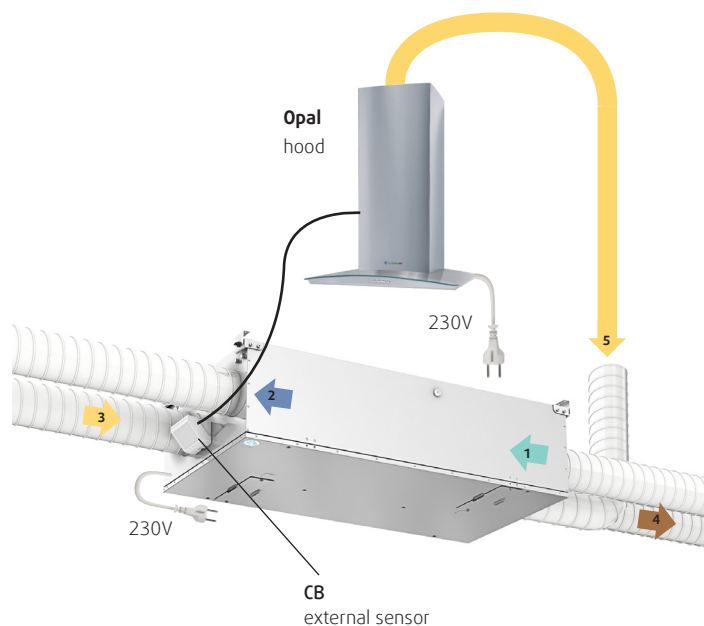


Low



SAVE VSR 150 + CH

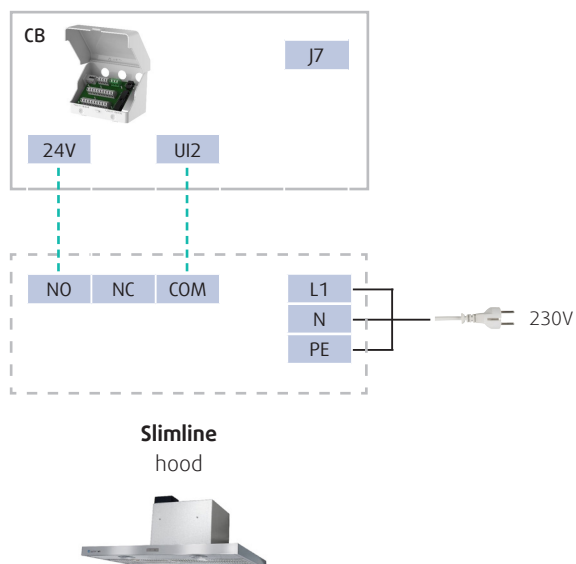
With cooker hood connection



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).

Legend:

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

Tender hood



Opal hood



Stil hood



Slimline hood



Hierarchy of signals

High



Medium



Low



