SAVE VTR 100/B

Accessories and electrical connections



systemair


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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

Vacuum cleaner *

Cooker hood *

Away mode

Crowded mode

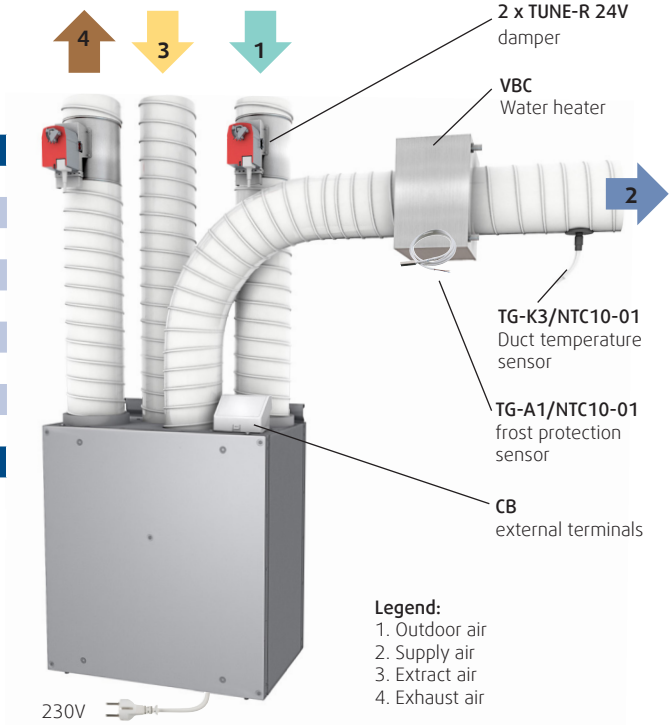


***** function is only available via an external signal

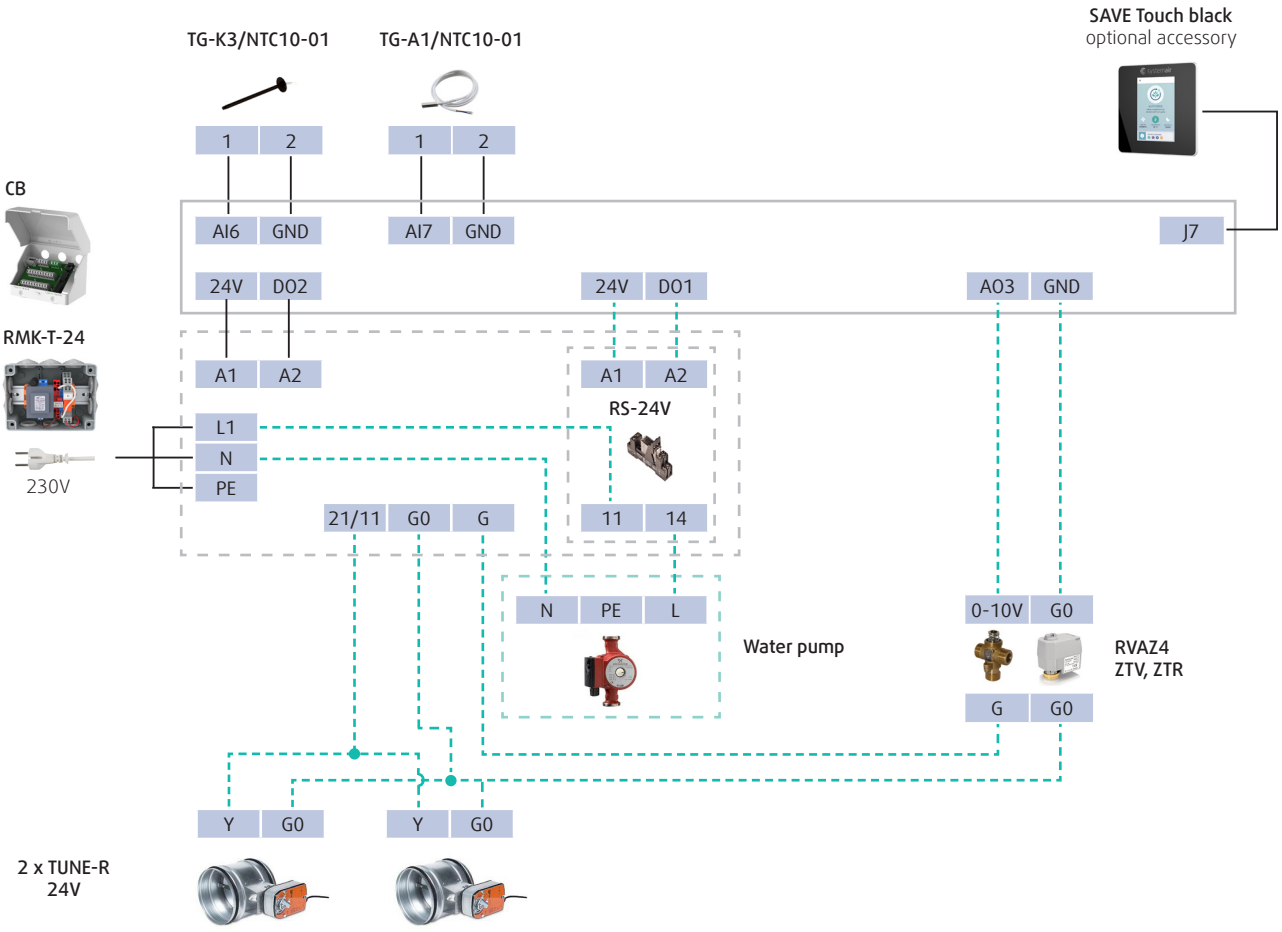
SAVE VTR 100/B + VBC

With water heater

Systemair products	Item no.	Description	Pcs
SAVE VTR 100/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
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. AO5 instead of AO3).
All PE terminals must be grounded.

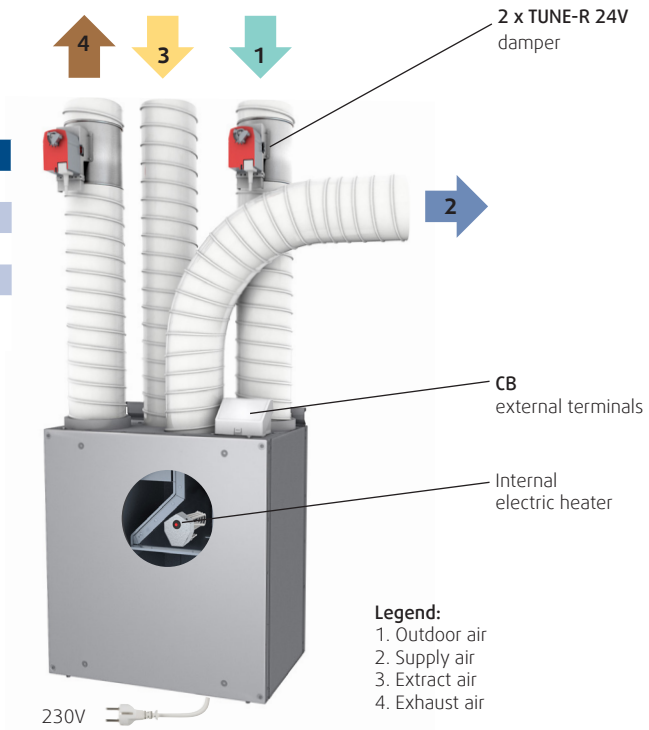
Legend:

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

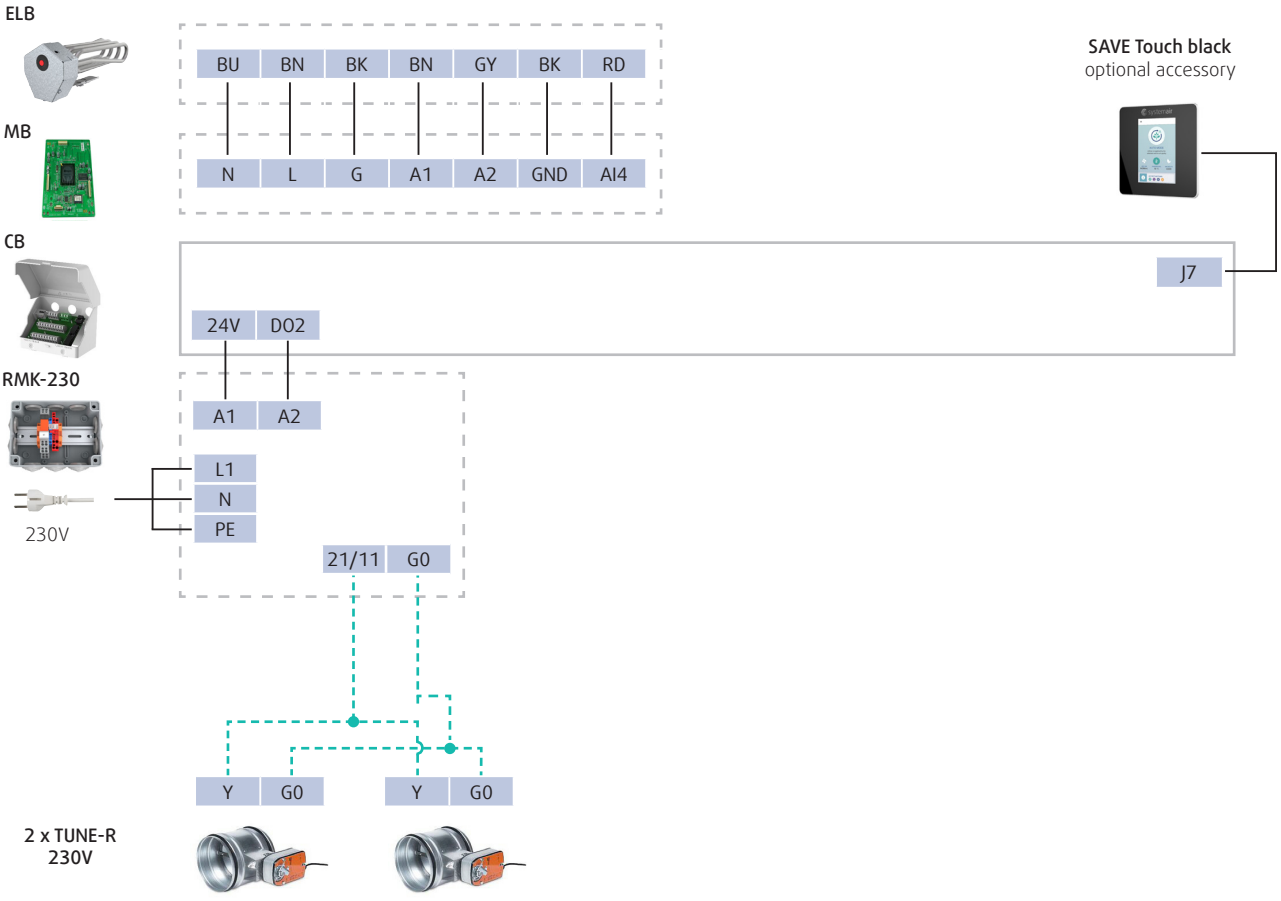
SAVE VTR 100/B + ELB

With electric heater

Systemair products	Item no.	Description	Pcs
SAVE VTR 100/B		Air handling unit	1
TUNE-R 230V		Damper with actuator	2
RMK-230	153549	Switching module	1
ELB-0,25 kW VTR 100/B		Built-in electric heater	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. AO5 instead of AO3).
All PE terminals must be grounded.

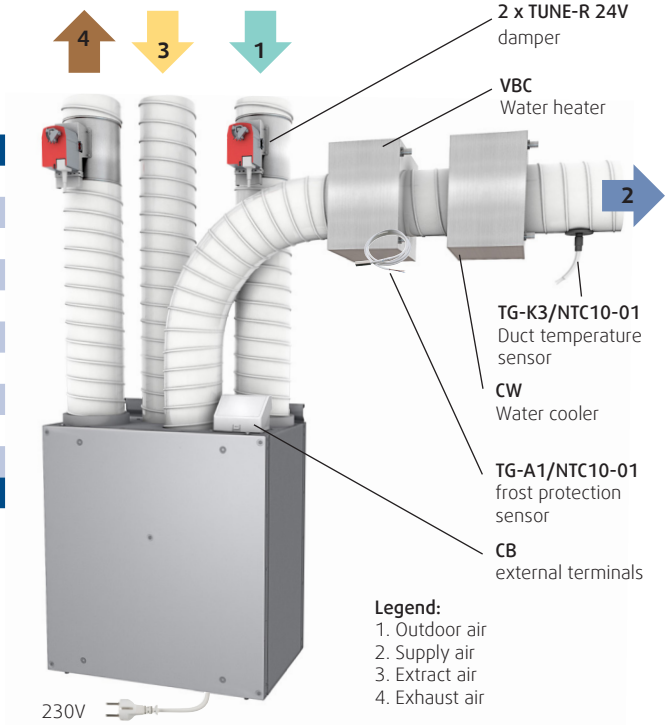
Legend:

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

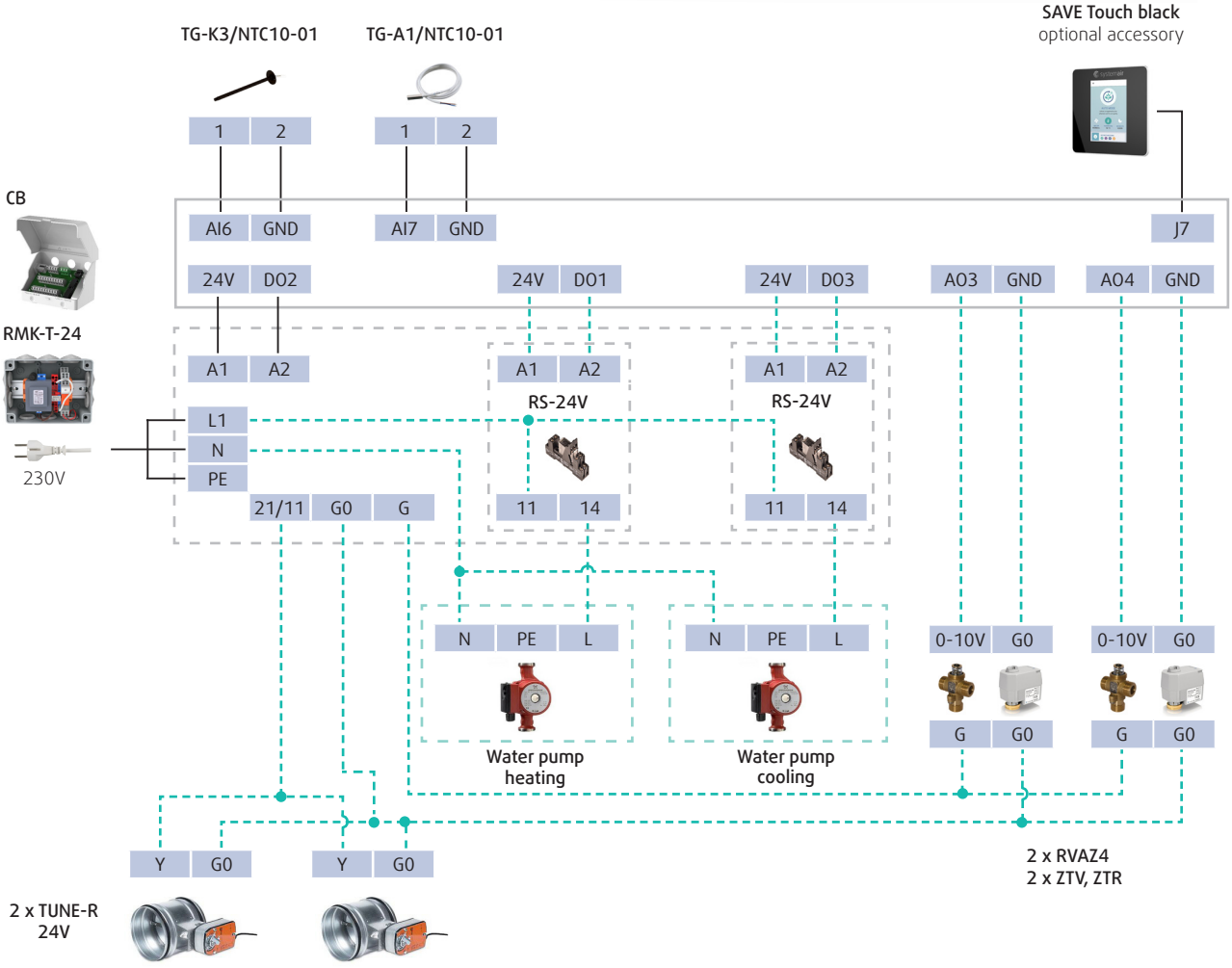
SAVE VTR 100/B + VBC + CW

With water heater and water cooler

Systemair products	Item no.	Description	Pcs
SAVE VTR 100/B		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
VBC		Water heater	1
CW		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



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.

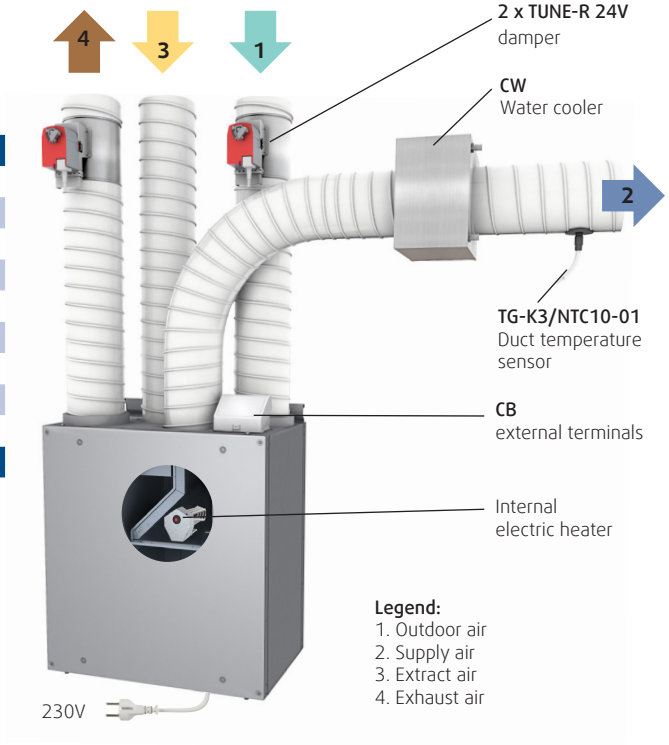
Legend:

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

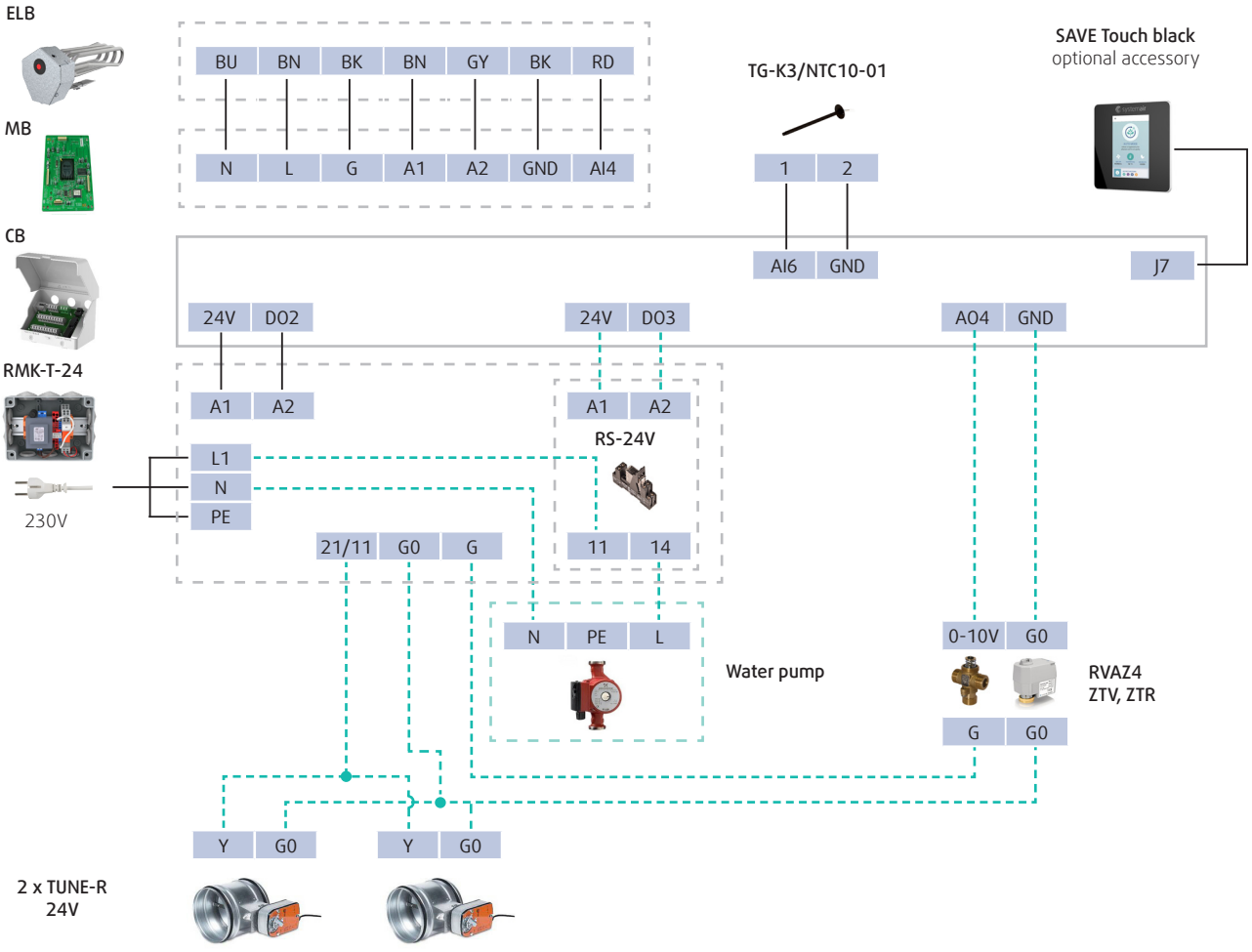
SAVE VTR 100/B + ELB + CW

With electric heater and water cooler

Systemair products	Item no.	Description	Pcs
SAVE VTR 100/B		Air handling unit	1
TUNE-R 24V		Damper with actuator	2
CW		Water cooler	1
ELB-0,25 kW VTR 100/B		Built-in electric 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
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. AO5 instead of AO3).
All PE terminals must be grounded.

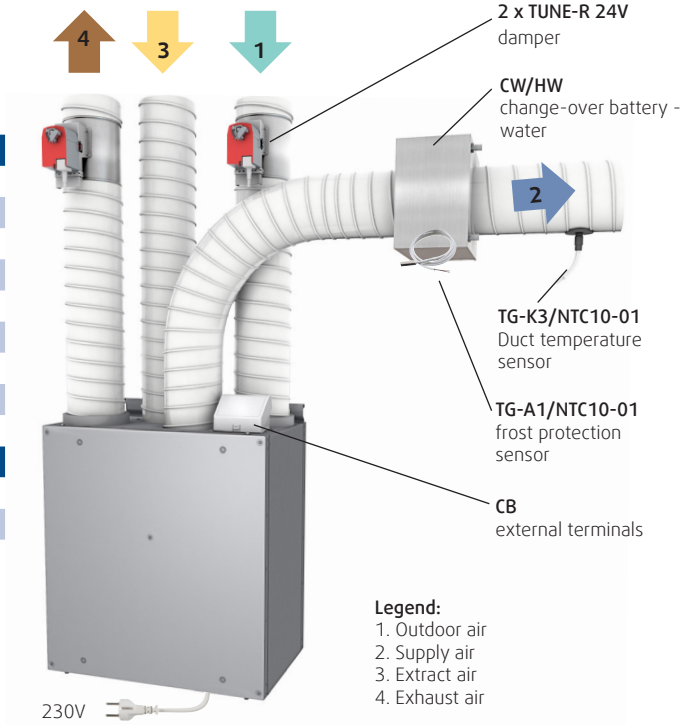
Legend:

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

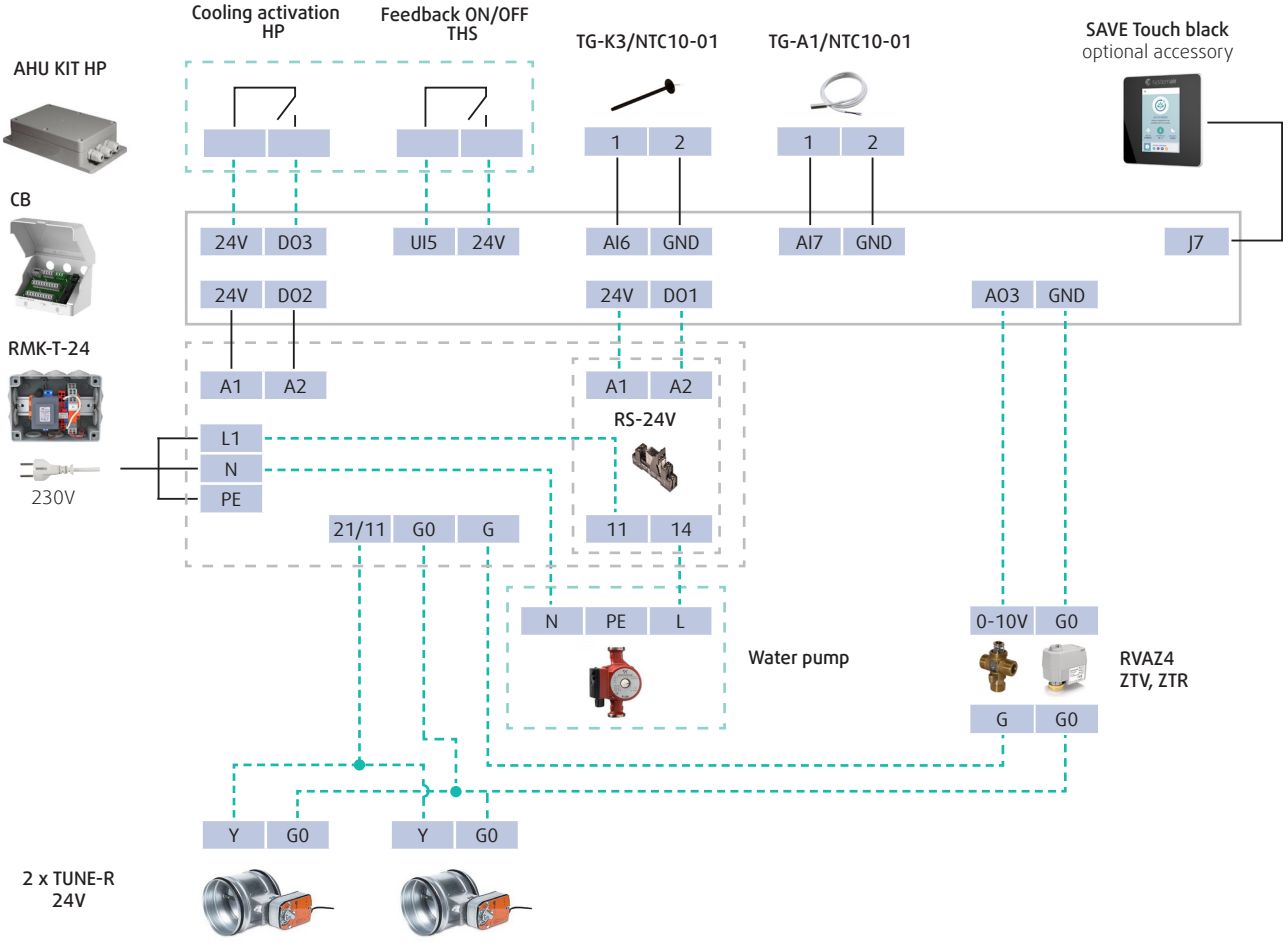
SAVE VTR 100/B + CW/HW

With change-over heater/cooler

Systemair products	Item no.	Description	Pcs
SAVE VTR 100/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



Wiring diagram

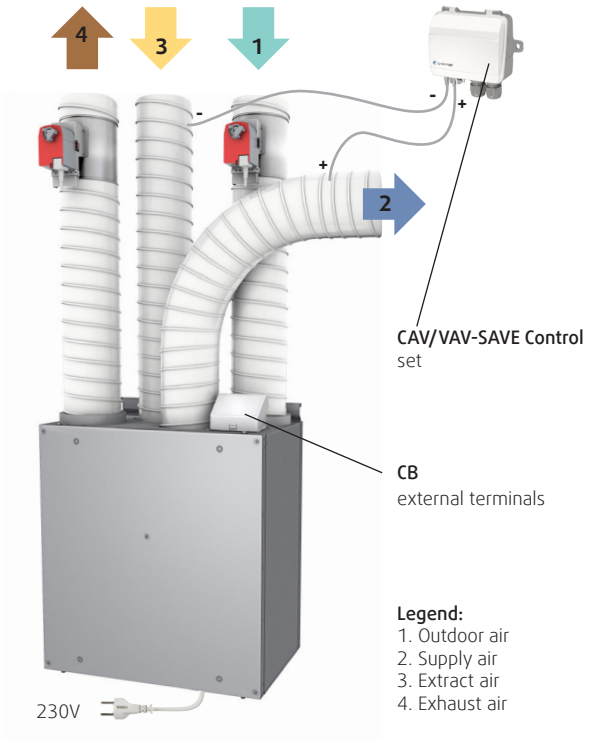


NOTE:
Heating mode: ‚Cooling activation' = OFF and water circuit thermostat at the same time. THS reaches the set value (terminals closed).
Cooling mode: „Cooling activation" = ON and the water circuit thermostat at the same time THS does not reach the set value (terminals open).
All outputs and inputs 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. AO5 instead of AO3).
All PE terminals must be grounded.

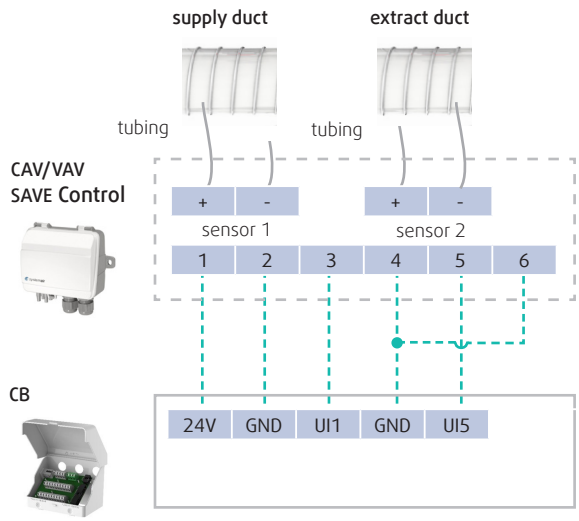
Legend:
- Cable included from Systemair
- The cable is not included with the Systemair, recommended CYKY type .. x 1,0
- Accessories not included from factory

SAVE VTR 100/B + VAV

With variable air volume control

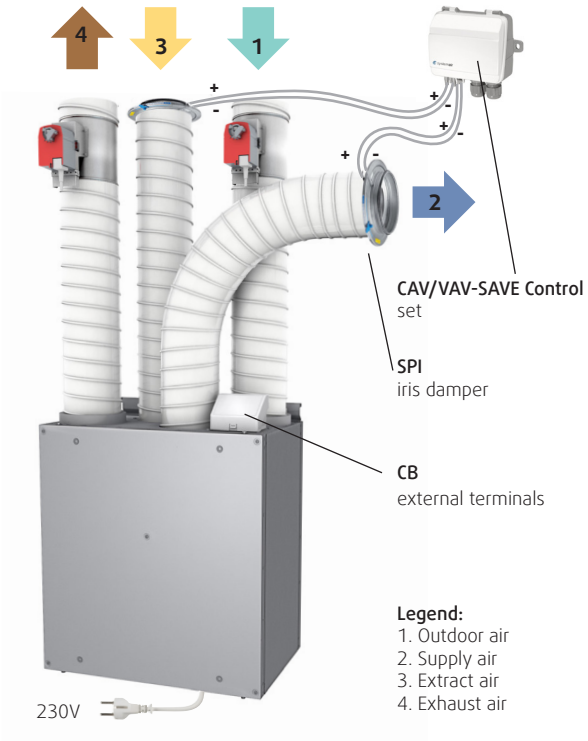


Systemair products	Item no.	Description	Pcs
SAVE VTR 100/B		Air handling unit	1
VAV/CAV conversion kit	140777	CAV/VAV control kit	1

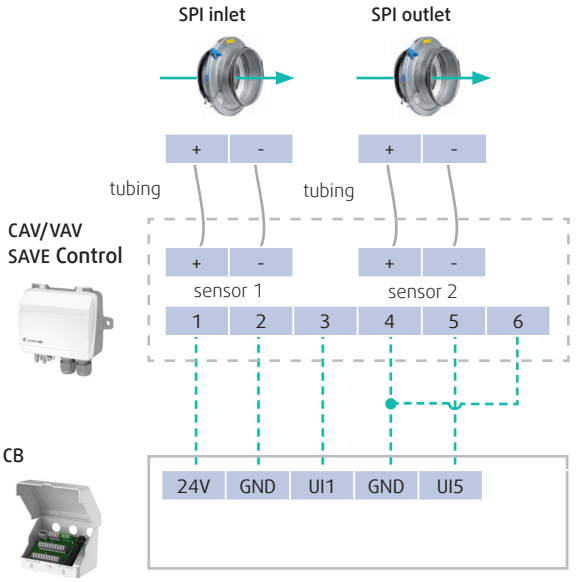


SAVE VTR 100/B + CAV

With constant air volume control



Systemair products	Item no.	Description	Pcs
SAVE VTR 100/B		Air handling unit	1
VAV/CAV conversion kit	140777	CAV/VAV control kit	1
SPI		Iris damper with K factor	2



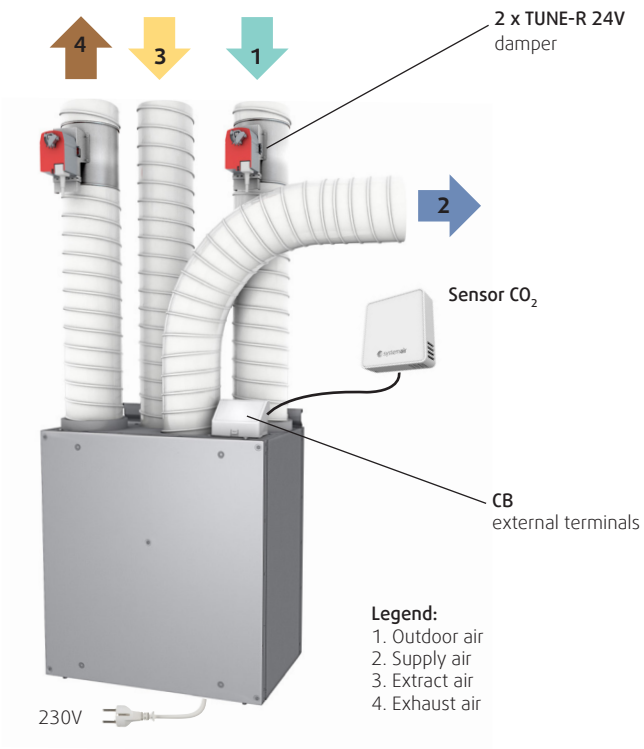
NOTE:
All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. AO5 instead of AO3).
Terminal 3 = sensor 1 = UI1 = supply fan
Terminal 5 = sensor 2 = UI5 = extract fan

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 VTR 100/B + CO2

With airflow control based on CO_2



Systemair-E CO2
Sensor CO_2



Systemair CO2-RH-T
Sensor CO_2, humidity and temperature



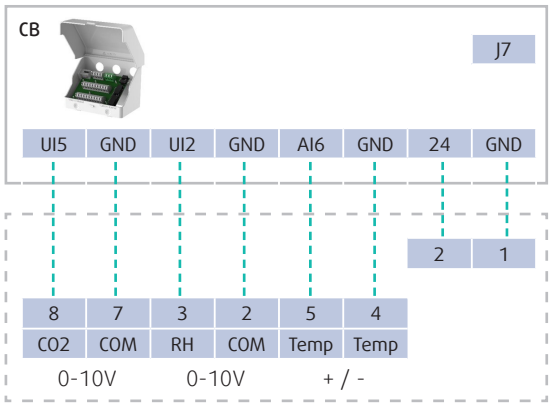
Systemair E-D-CO2
Sensor CO_2

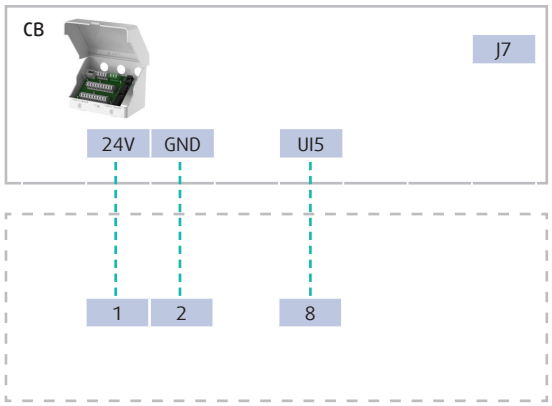


Systemair 1-CO2
Sensor CO_2



Wiring diagram





Systemair CO2-RH-T
Sensor CO_2, humidity and temperature



Systemair-E CO2
Sensor CO_2



Systemair E-D-CO2
Sensor CO_2



Systemair 1-CO2
Sensor CO_2



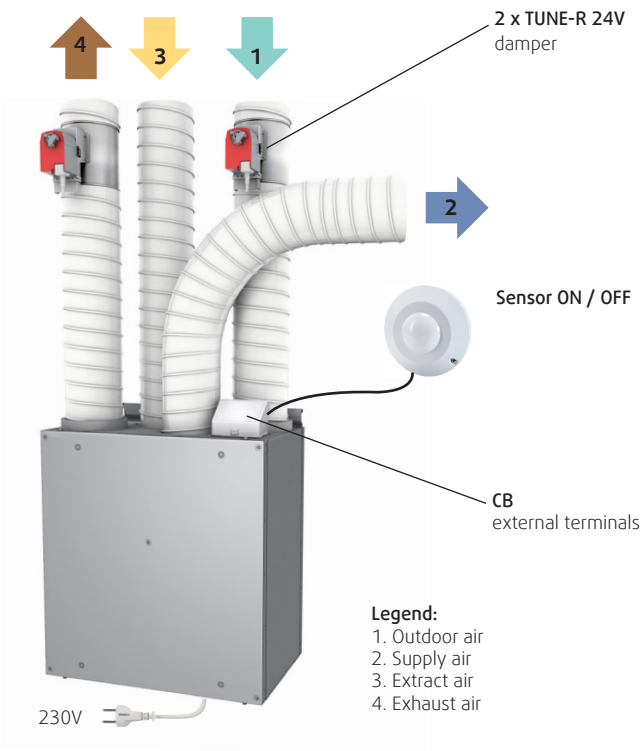
NOTE:
All outputs and inputs must be configured in the Service menu. In case the inputs or outputs listed in the diagram are occupied, any available ones can be selected (e.g. AO5 instead of AO3).

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 VTR 100/B + ON/OFF

With ON/OFF switch control



IR-24PC
Motion sensor



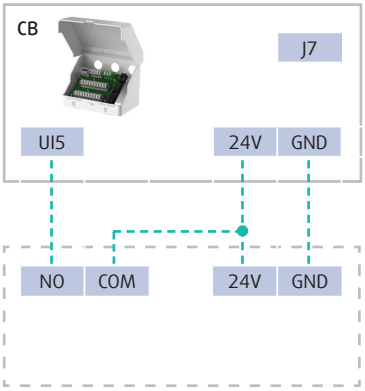
DPR 200T
Pressure sensor

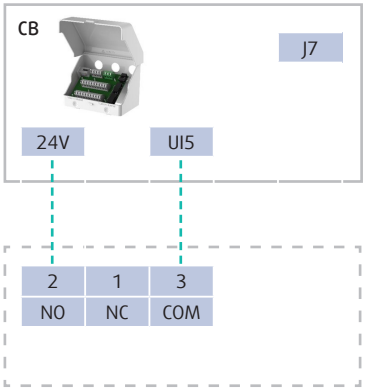


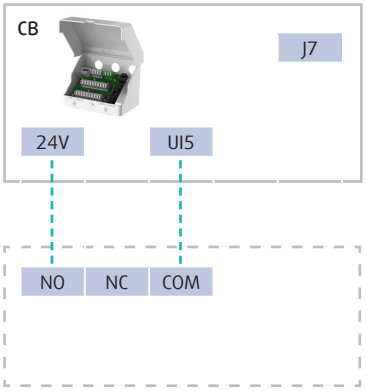
ON / OFF
Switch



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. AO5 instead of AO3).

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	

systemair

SAVE VTR 100/B + Cooker hood

With cooker hood

Tender
Cooker hood



Opal
Cooker hood

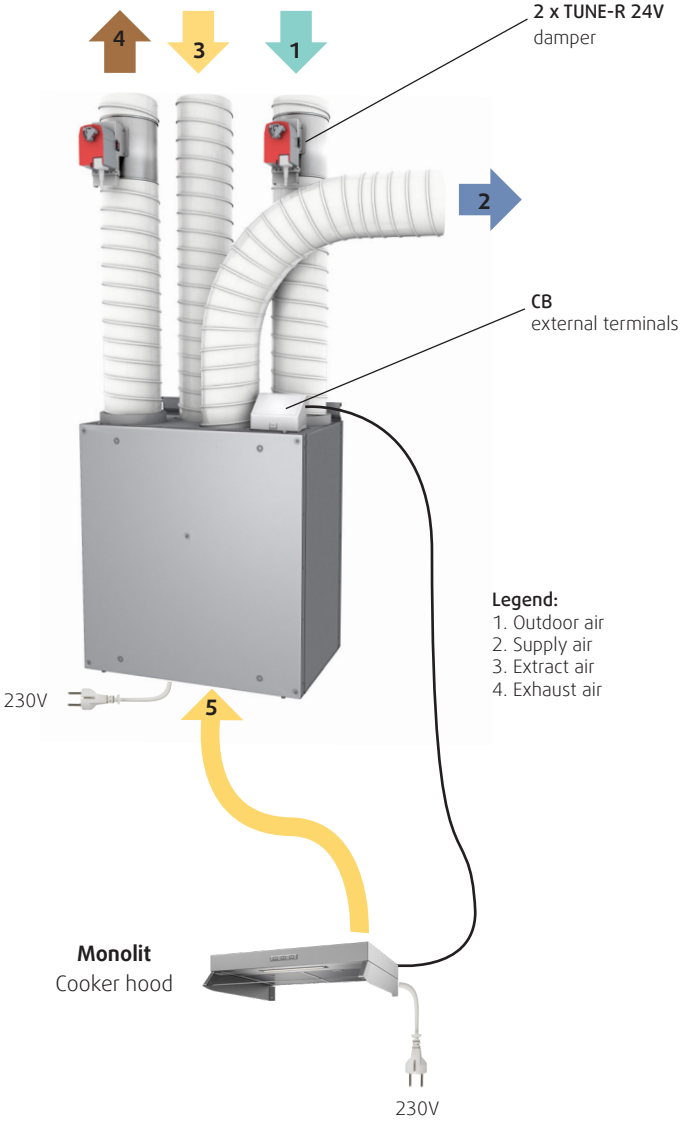


Stil
Cooker hood

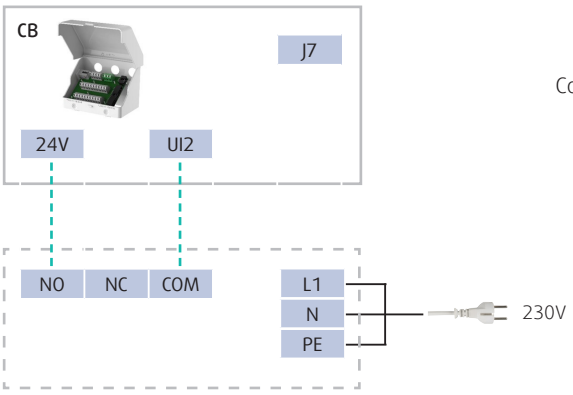


Monolit
Cooker hood





Wiring diagram



Monolit
Cooker hood



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).

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	

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