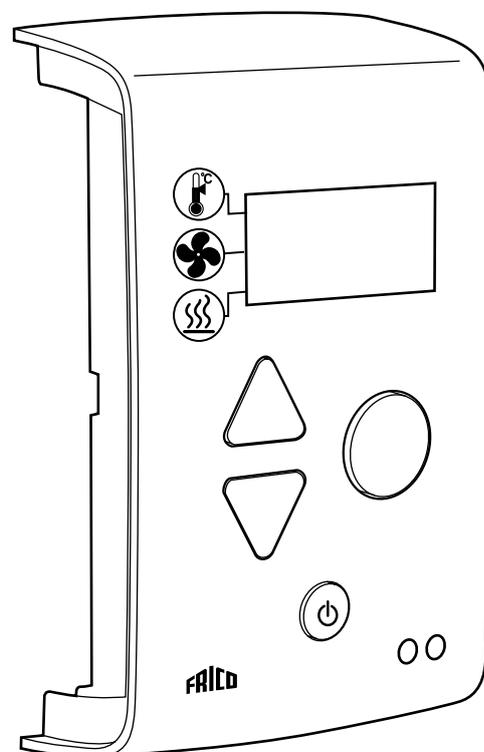


Original instructions

SIRe Basic Quick guide

SIReB



SE ... 7

GB ... 14

DE ... 21

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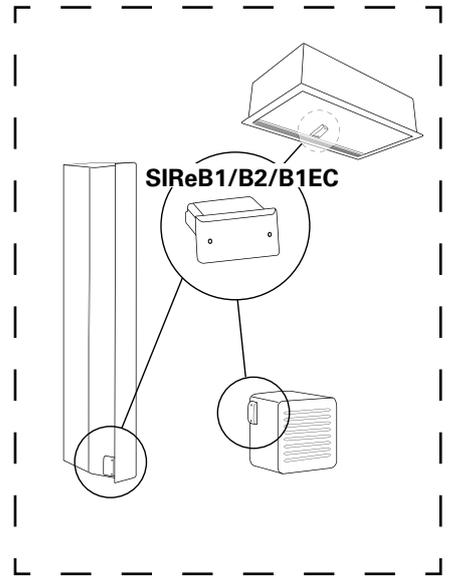
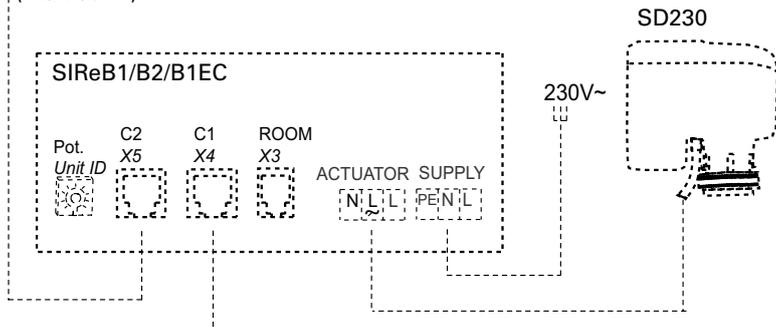
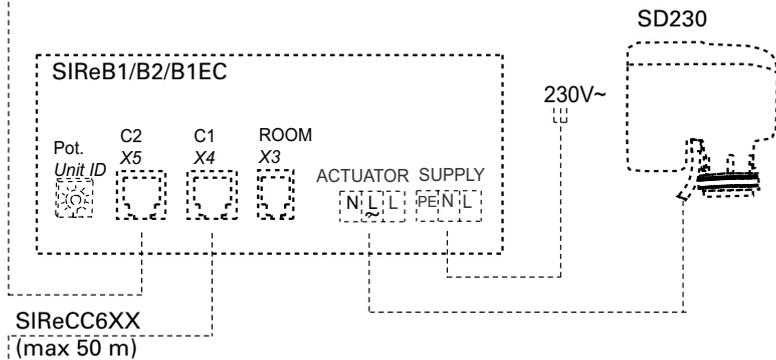
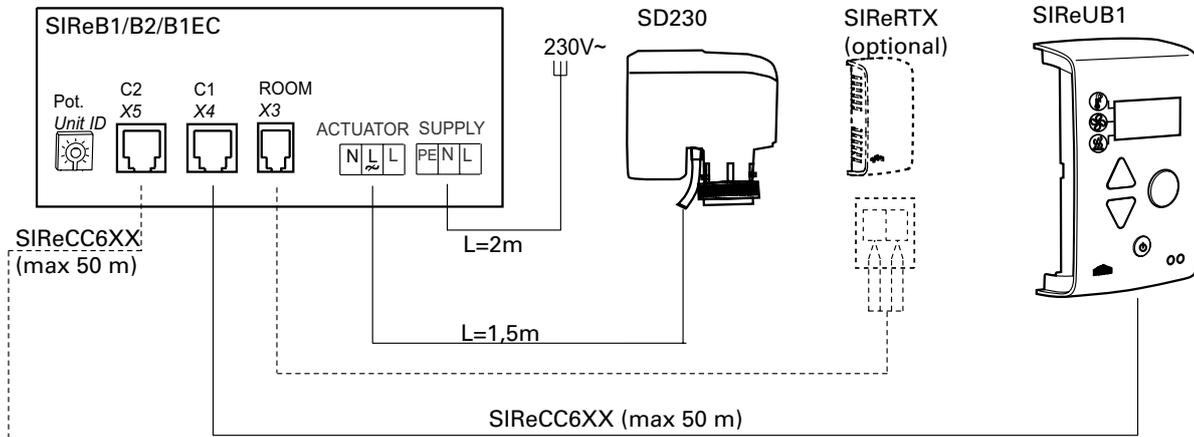
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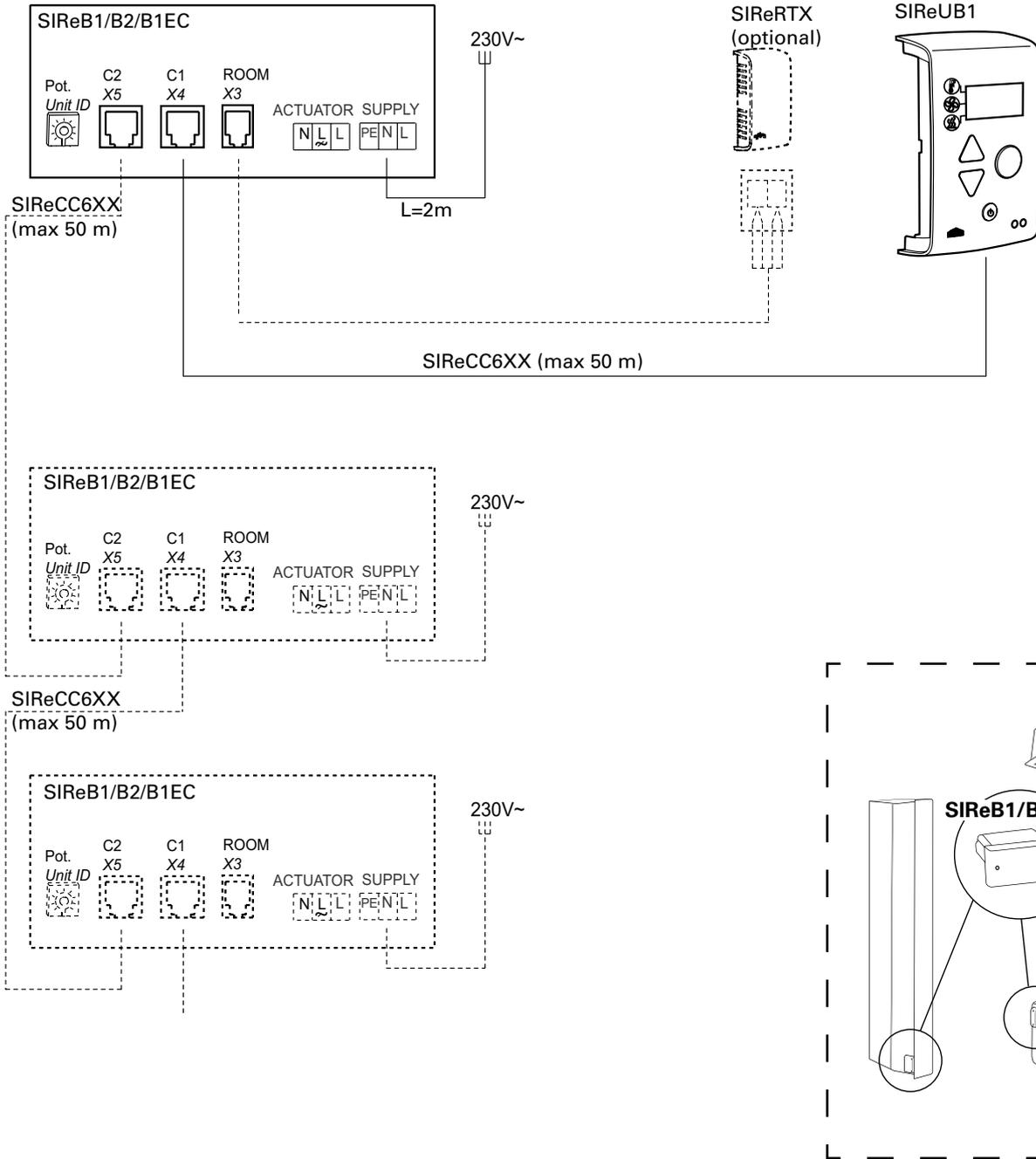
FI ... 77

Wiring diagram - Basic

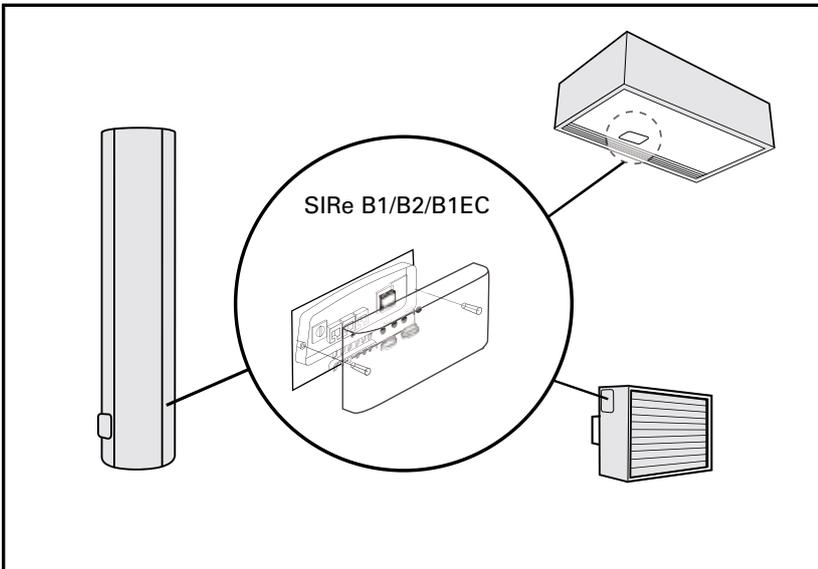
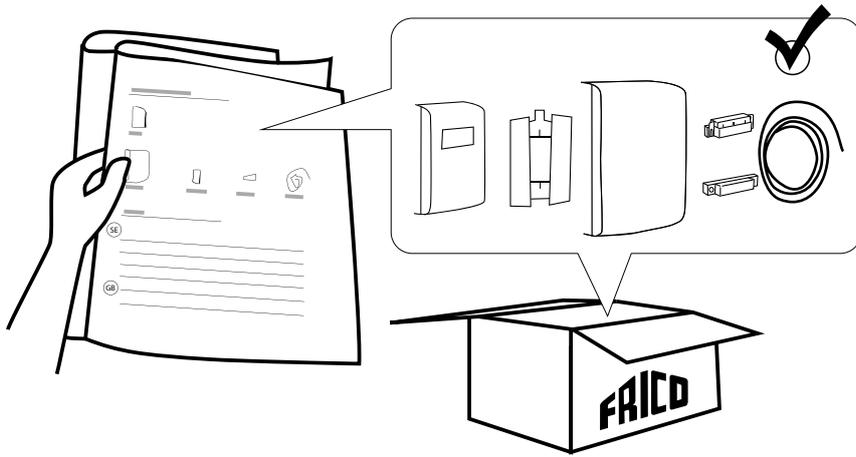
SIReB



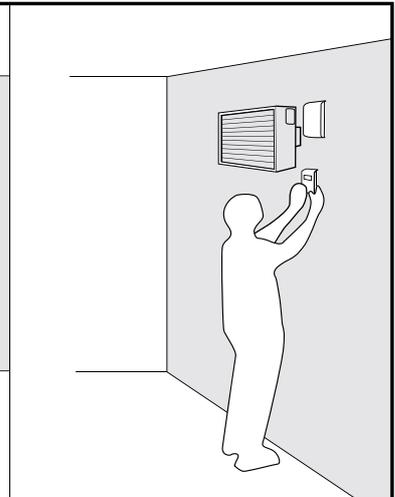
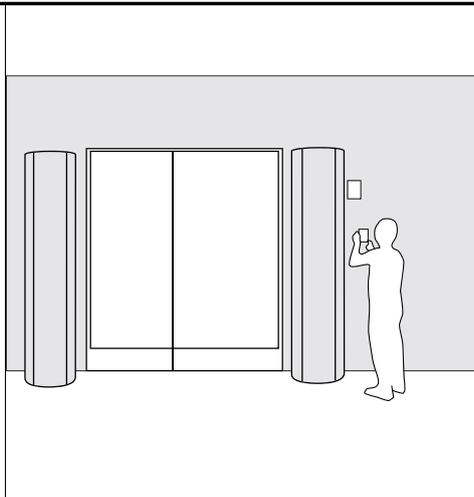
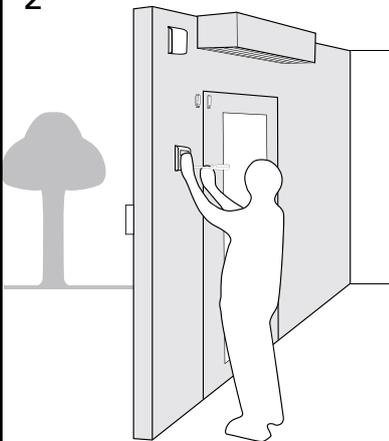
Wiring diagram 
SIReB

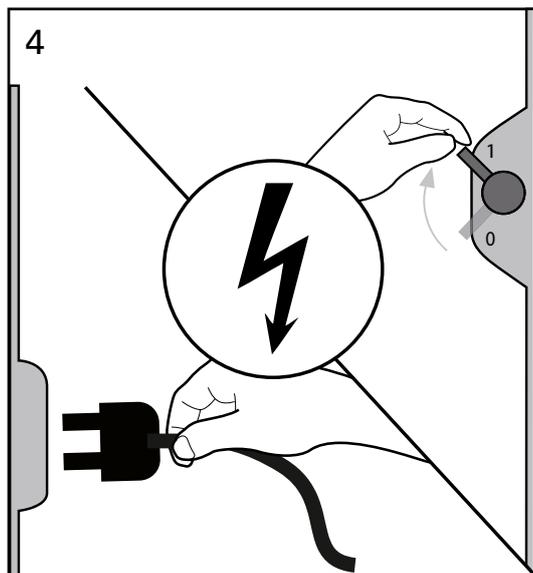
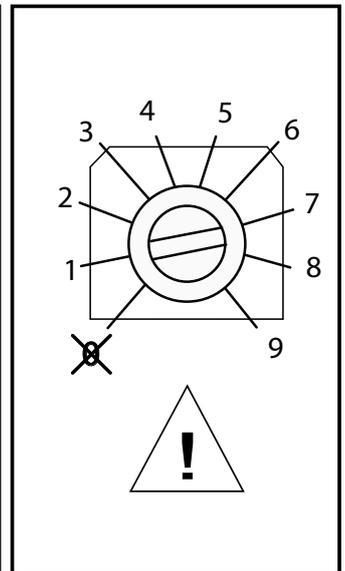
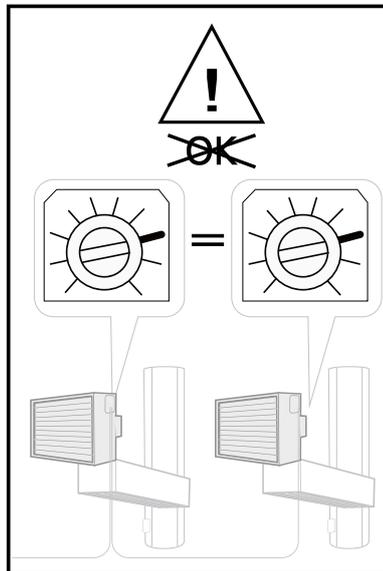
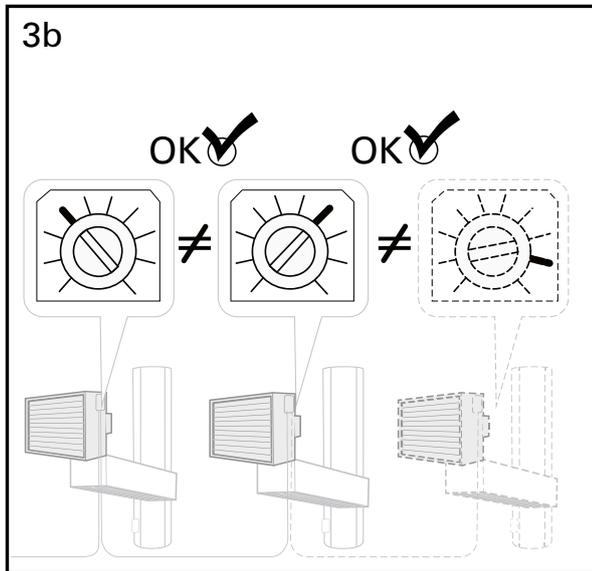
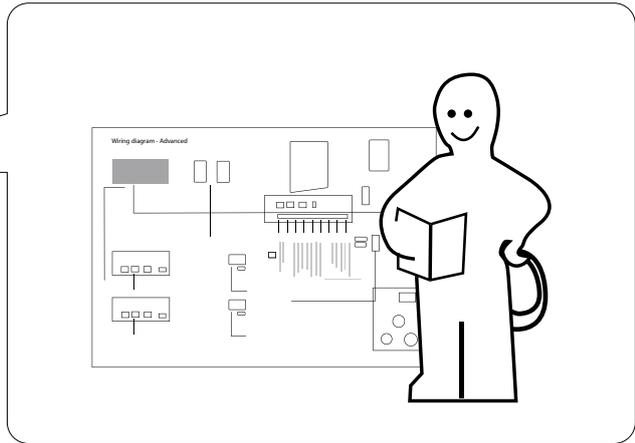
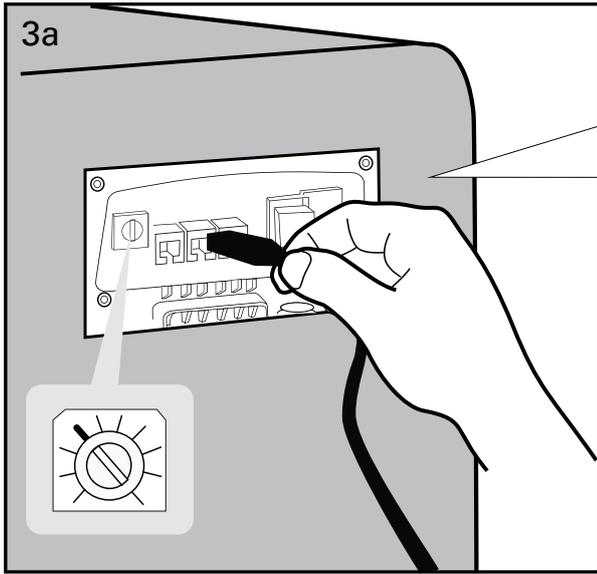


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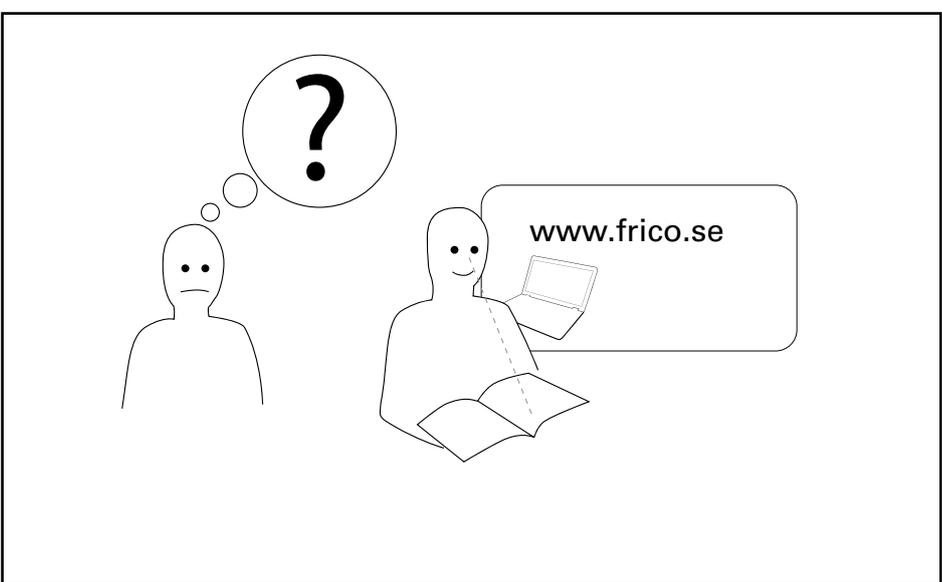
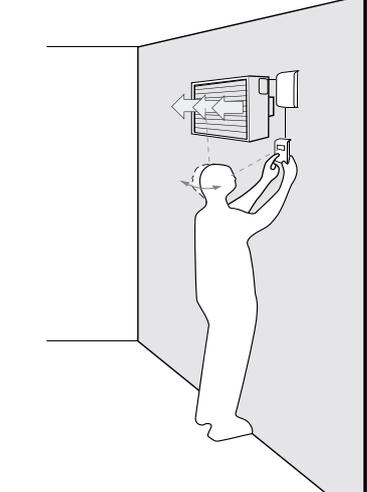
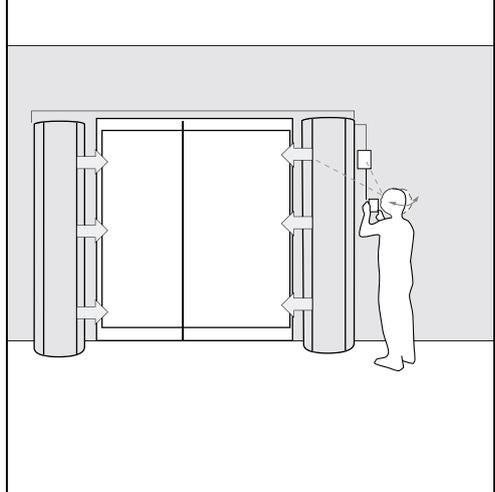


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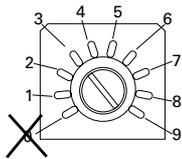
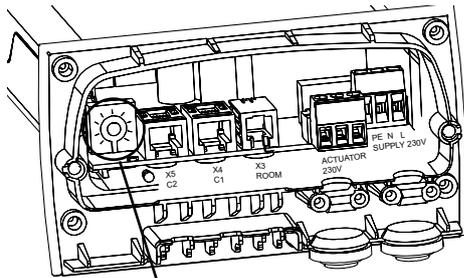


5



Quick guide/Start up

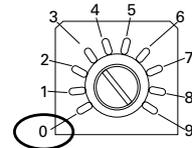
1. Check that all constituent parts are present (see section Constituent parts).
2. Mount and connect all units and components and where applicable accessories (e.g. actuator), see wiring diagram. When several units are connected set a unique ID for each unit (1-9) which is set in the ID selector of the SIReB1/B2/B1EC.



Each unit should have a unique ID on its SIReB1/B2/B1EC card.

3. Power up all units.
4. If required, disconnect and reconnect SIReUB1 to initialize the system control.

Operation without control unit



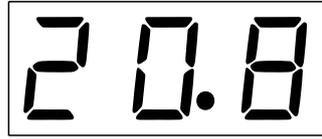
To run the unit temporarily without external control select mode 0.

Start up



30 - 60 s

Prevailing room temperature



Set desired room temperature 5 - + 30 °C



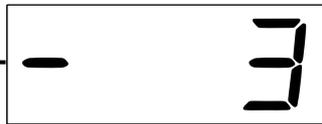
+



+



Set fan steps 1 - 5



+



+



Activate heat

0 = No heat

1 = Heat step 1 possible

2 = Heat step 2 possible

(3 = Heat step 3 possible)

Heat steps controlled by thermostat.



+

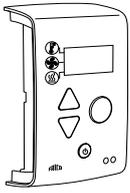


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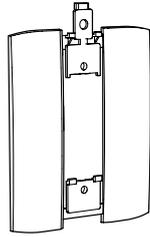


Constituent parts

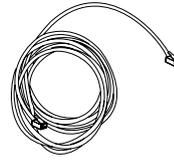
SIReB



SIReUB1



Wall unit cover



SIReCC605

Type	Description	HxWxD	L [m]
SIReUB1	Control unit with room temperature sensor	120x70x35	
SIReCC605	Modular cable RJ12 (6/6)		5

Option



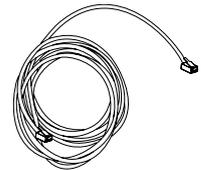
SIReRTX



SIReCJ4



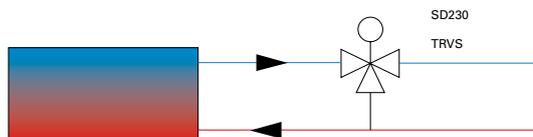
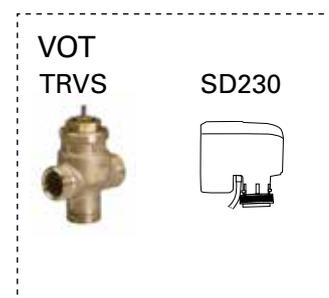
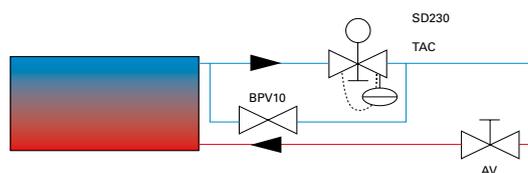
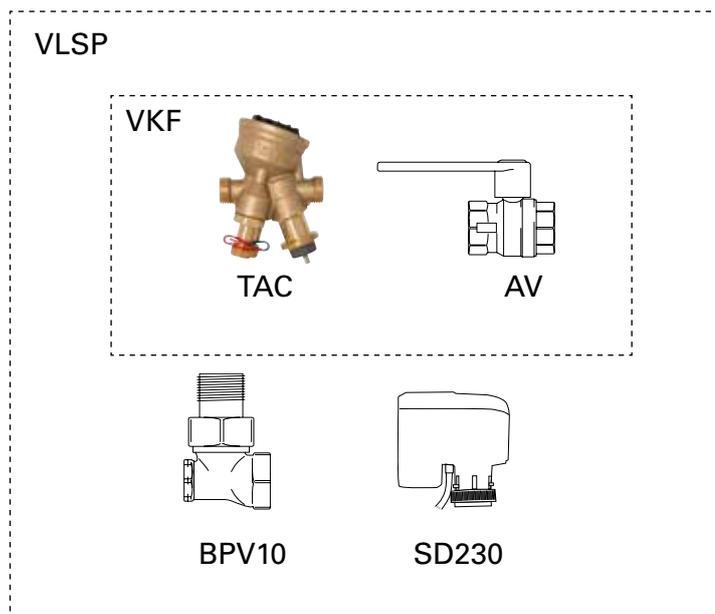
SIReCJ6



SIReCC

Type	Description	HxWxD	L [m]
SIReRTX	External room temperature sensor	70x33x23	10
SIReCJ4	Joint piece for two pcs. RJ11 (4/4)		
SIReCJ6	Joint piece for two pcs. RJ12 (6/6)		
SIReCC603	Modular cable RJ12 (6/6)		3
SIReCC605	Modular cable RJ12 (6/6)		5
SIReCC610	Modular cable RJ12 (6/6)		10
SIReCC615	Modular cable RJ12 (6/6)		15
SIReCC640	Modular cable RJ12 (6/6)		40
SIReCC403	Modular cable RJ11 (4/4)		3
SIReCC405	Modular cable RJ11 (4/4)		5
SIReCC410	Modular cable RJ11 (4/4)		10
SIReCC415	Modular cable RJ11 (4/4)		15

Water control - valve kit



Water control - valve system*

Type	Description	Connection
VLSP15LF	Pressure independent	DN15
VLSP15NF	Pressure independent	DN15
VLSP20	Pressure independent	DN20
VLSP25	Pressure independent	DN25
VLSP32	Pressure independent	DN32
VOT15	Three way valve and actuator on/off	DN15
VOT20	Three way valve and actuator on/off	DN20
VOT25	Three way valve and actuator on/off	DN25

*) See separate manuals.

Operating modes

Operating modes Air curtains

Factory settings gives manual control of fan and heating is controlled by thermostat on/off. Set parameter P04 to 1 (see parameter menu on the next page) to get the thermostat to control both fan and heating on/off.

Operating modes fan heaters water

Set the maximum fan speed, heating step and desired room temperature. The thermostat is controlling the room temperature by increasing/decreasing the fan speed. When the desired room temperature is reached the actuator/valve will close and the fan stops. Maximum fan speed is limited to step 4.

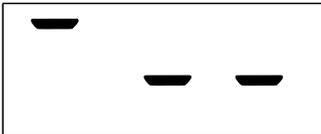
If Parameter P04 is changed from 1 to 0 (see list of parameters on next page) the fan runs continuously on set speed and the thermostat controls the heating on/off.

General

Manual mode

Decrease the temperature setting below 5 °C and the following symbols are shown in the status window = manual mode.

In manual mode both fan- and heating steps are controlled manually.



Heat regulation

When the room temperature drops below the set point temperature the first heating step is activated. If temperature continues to drop, another heating step is activated (see description below parameters P.00).

Heat regulation

When the room temperature drops below the setpoint, the valve is opening for heat.

Fan over run

When heat has been activated the fan will continue to run to cool down the unit. The over run time is 180 seconds or shorter if the internal temperature has dropped below +30 °C.

System on/off



Press the ON /OFF button for 2 seconds to switch off the system. The unit's safety functions are still active when the system is switched off, which means that the fan can continue to run for a while.

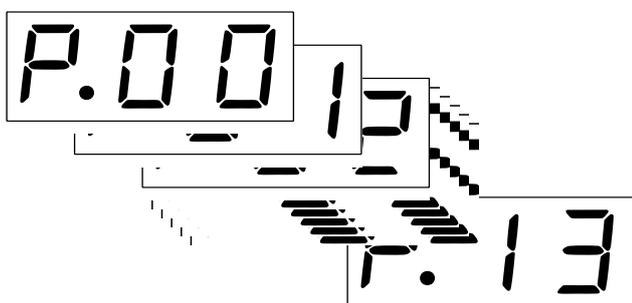
Installer menu

Parameter menu

Keep  pressed until P00 is shown in the status window. Use arrow up/down to scroll between the parameters.

Use arrow up / down to scroll between the parameters.

Press  once to change a setting in the parameter menu. Flashing values can be adjusted using the arrow up/down and then confirm. Keep the  pressed to return to the status window. (Returning automatically to the status window after about 50 seconds).



Parameter description

P00 Temperature difference heating steps

Sets the difference between heating steps in auto mode for electric units, alternatively the difference between fan speed steps for water supplied fan heaters.

P01 Overheating alarm ON/OFF

Possibility to block the alarm (only valid for units with internal temperature sensor). Note! If the alarm function is blocked, it must be ensured this does not affect the unit's safety.

P02 Over run time

Time when the fan continue to run when the heat has been on.

P03 Temperature limit for over run

Over run time is cancelled if the internal temperature drops below this set value (only valid for units with internal temperature sensor).

P04 Fan control

Choose (0) or (1) operating mode, read more under section Operating mode.

P05 Internal temperature

Prevailing internal temperature. Only the peak value is shown when several units are connected (only valid for units with internal temperature sensor).

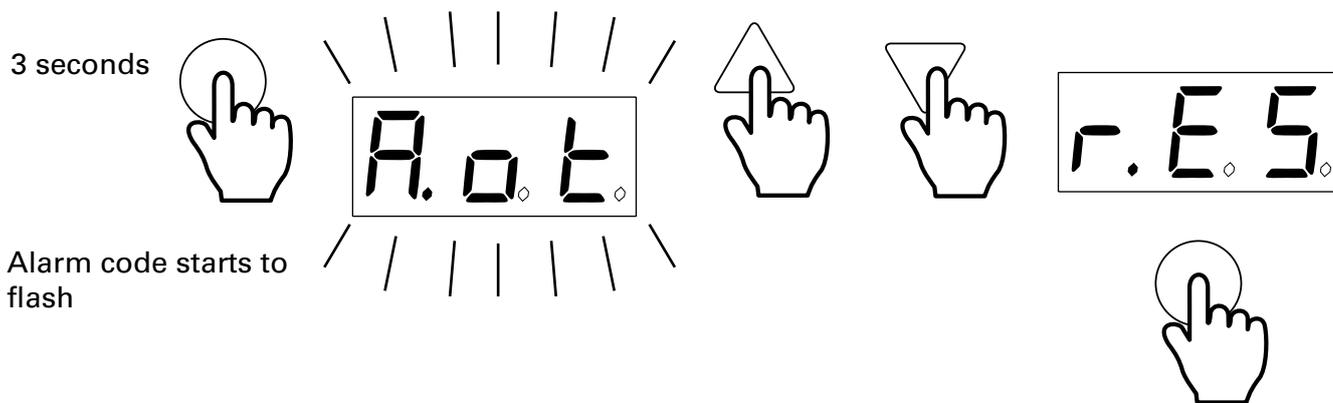
P06 - P13 Run time

Run time for fan and heating steps.

List of parameters

Parameter-number	Description	Setting range	Factory setting
P.00	Temperature difference between heating steps alternatively difference between fan speed steps.	0,5-10	1.0 °C (0,5 °C SWH)
P.01	Overheting alarm ON/OFF ON=1; OFF=0	1/0	1
P.02	Over run time when heat has been activated	10-300	180 seconds
P.03	Temperature limit for fan over run	10-40	30 °C
P.04	Fan control	0/1	0 = air curtains 1 = fan heater
P.05	Display of unit internal/outlet temperature	0-100	
P.06 - 13	Run time	0-99999	

Alarm	Cause	Action
A.FA Motor alarm	Thermal switch has deployed. One or several motors have overheated. (Only units with withdrawn thermal switches.)	Check that nothing is obstructing the unit's air intake and exhaust. When the overheated motor has cooled the thermal switch shuts again and the alarm can be reset. At repeated alarms, check the motors, replace damaged motors.
A.ot Over heating alarm	The temperature in the unit has exceeded the alarm limit for overheating. (Only applies to units with internal unit temperature.)	Check that nothing is obstructing the unit's air intake and exhaust, the function of the actuator/valve, return water and internal temperature sensors in the unit



Alarm	Cause	Action
E.co Communication	SIReB1/B2/B1EC has no contact with SIReUB1.	Check connection between the SIReB1/B2/B1EC and SIReUB1. Replace any modular cables. Repeated errors, contact Frico.
	PC board SIReB1/B2/B1EC ID=0	Interrupt the power supply and select different ID numbers for all SIReB1/B2/B1EC in the system.
	Two or more SIReB1/B2/B1EC have the same ID-number.	Interrupt the power supply and select different ID numbers for all SIReB1/B2/B1EC in the system.
	One or more SIReB1/B2/B1EC do not have programs.	Contact Frico for support.
E.cF ID-error	Two or more SIReB1/B2/B1EC in the system have different programs.	Contact Frico for support.
E.rt Room sensor error	Error in or missing external room sensor SIReRTX connected to SIReB1/B2/B1EC.	Always disconnect the power supply when connecting or disconnecting sensors. Check connection of the sensor.
E.lt Internal sensor error	Fault on or missing internal sensor in the unit (applies to units with internal sensor).	Check connection of the sensor. If there is no sensor, contact Frico for support.
E.ru Room sensor error	Fault on internal room sensor in the control unit SIReUB1.	Check connections between SIReUB1 and SIReB1/B2/B1EC. Replace any modular cables. Check if an external sensor SIReRTX is working. If the error is not rectified the SIReUB1 must be replaced.



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