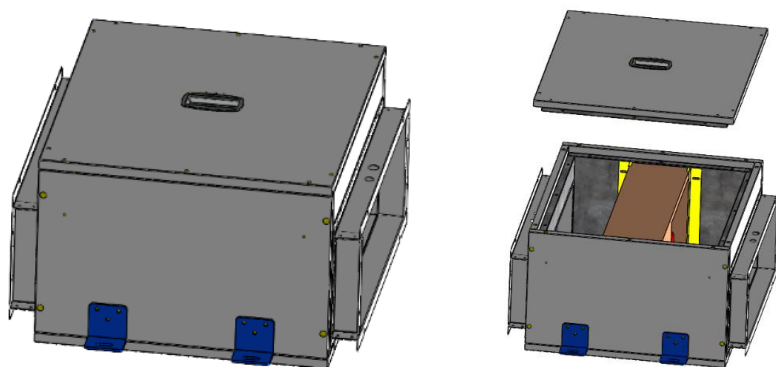


Optional Component Installation Manual - M40

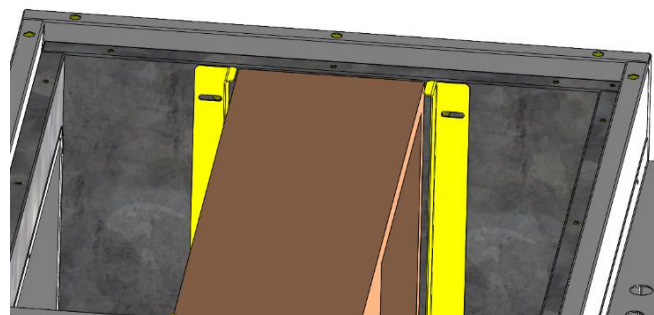
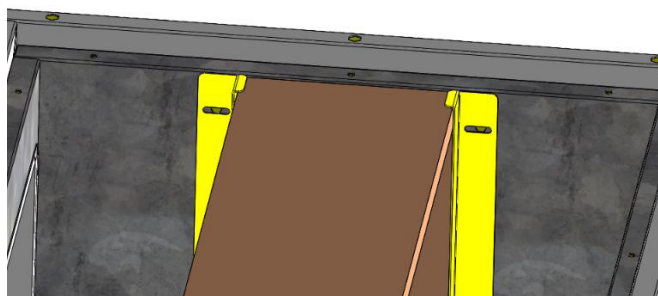
Electric Heater Installations

The electric heater can be used in any orientation. If removal is required;

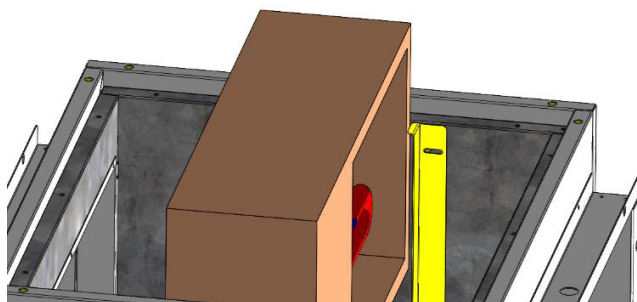
1 - Remove the cover.



2 - Move the metal plates marked in yellow in the direction indicated by the arrow.

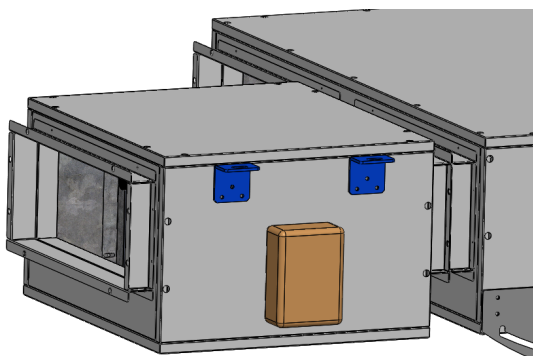


3 - You can now remove the electric heater.



1.1 Pre-Heater

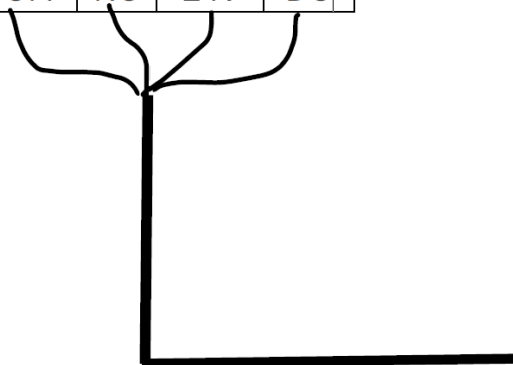
Open the electrical box and make the external 3P+N+PE connection. Connect the signal cables to the device panel using plug & play sockets.



Open the electrical box and make the external 3P+N+PE connection. Connect the signal cables to the device panel using plug & play sockets.

POWER IN					ST		START	
L1	L2	L3	N	PE	COM	NC	24V	DO

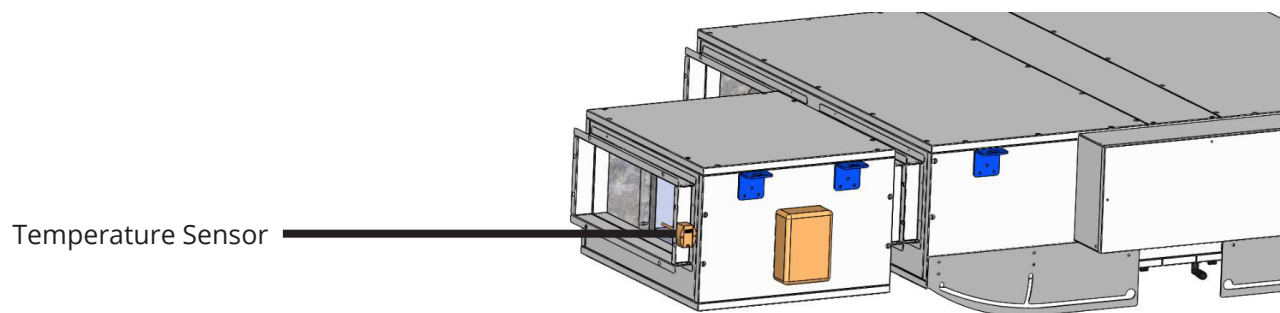
External power supply



Software configuration must be performed after the process.

1.2 Post-Heater

Open the electrical box and make the external 3P+N+PE connection. Connect the signal cables to the device panel using plug & play sockets.



Open the electrical box and make the external 3P+N+PE connection. Connect the signal cables to the device panel using plug & play sockets.

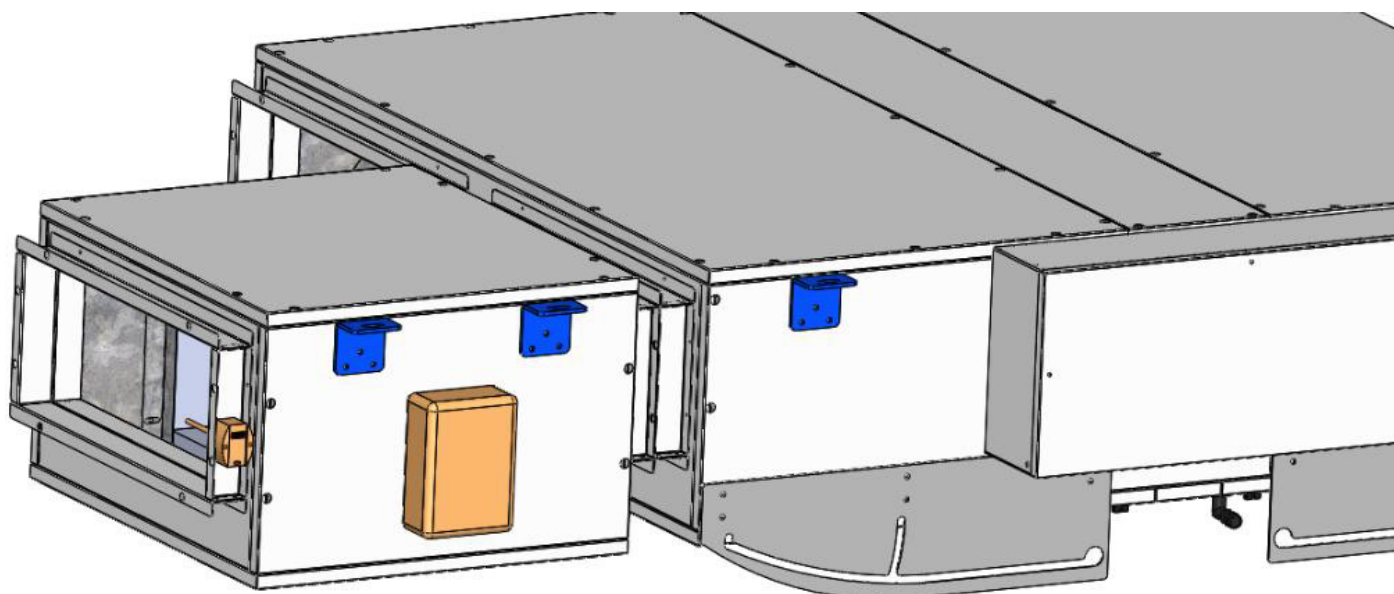
POWER IN					ST		REF	
L1	L2	L3	N	PE	COM	NC	GND	AIN

External Power Supply



Supply Air Temperature Sensor

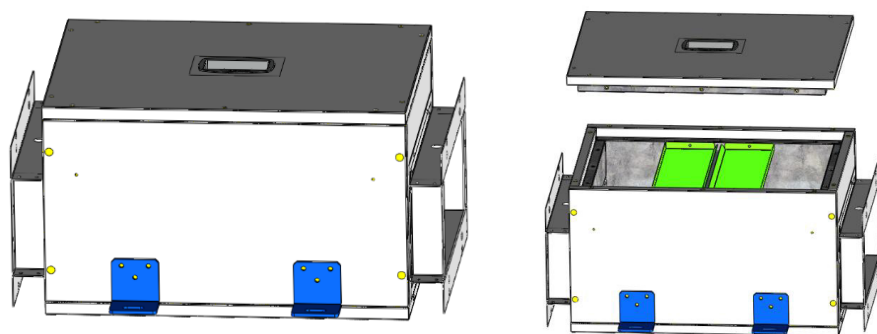
The temperature sensor must be installed after the last module in the supply air line.



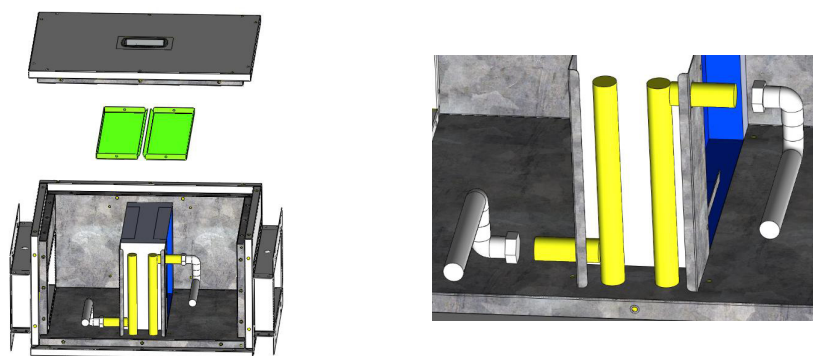
2. Water Heater Coil

The water heater coil can be used in any orientation. If removal is required;

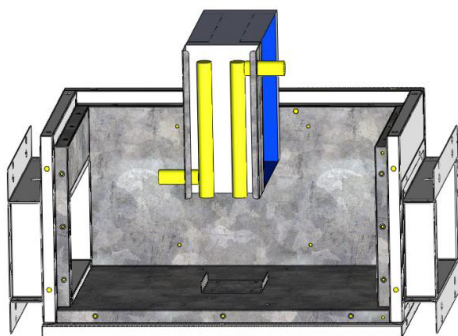
1 - Remove the cover.



2 - Remove the green parts and flexible hose.

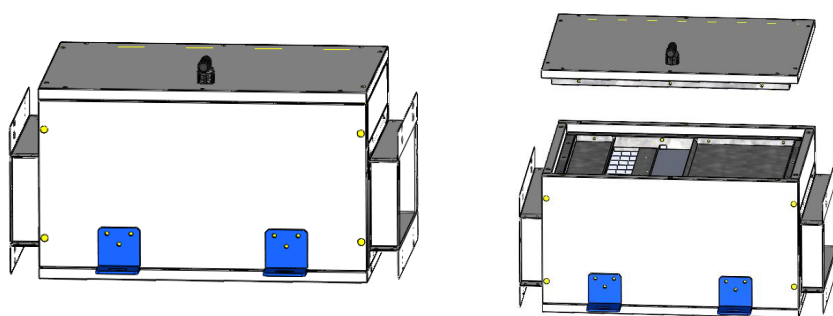


3 - Remove the heater.

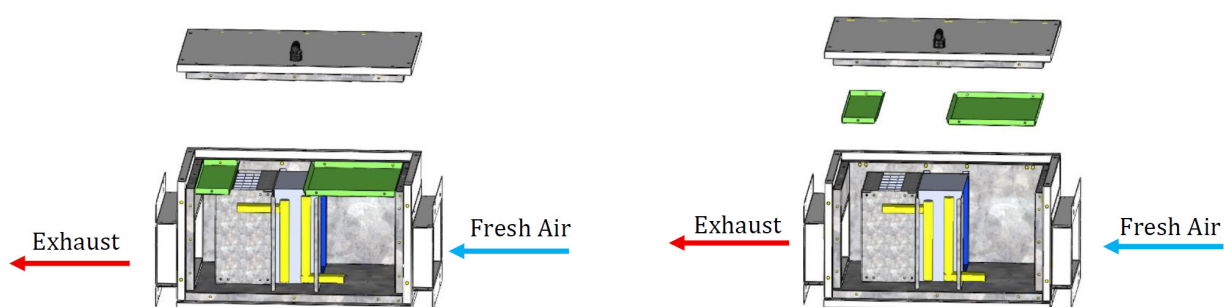


3. Cooling Coil & Dx Coil

1 - Remove the cover.

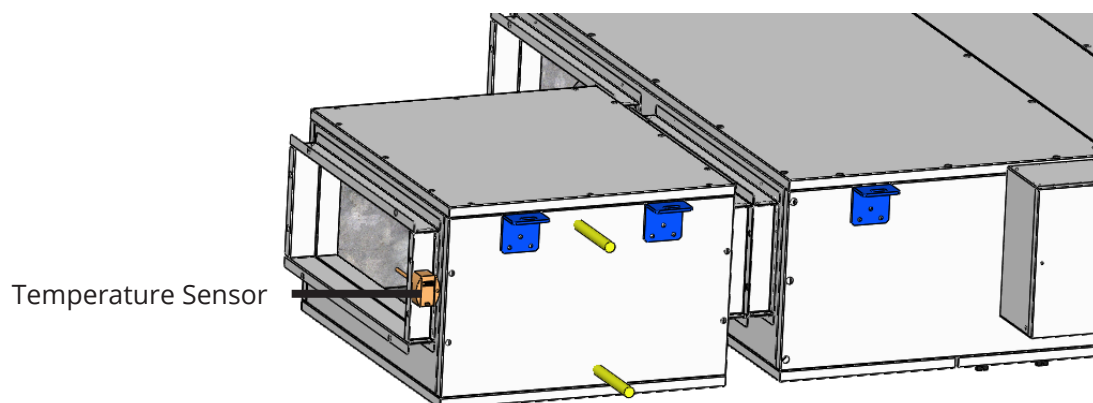


2 - Remove the green parts.

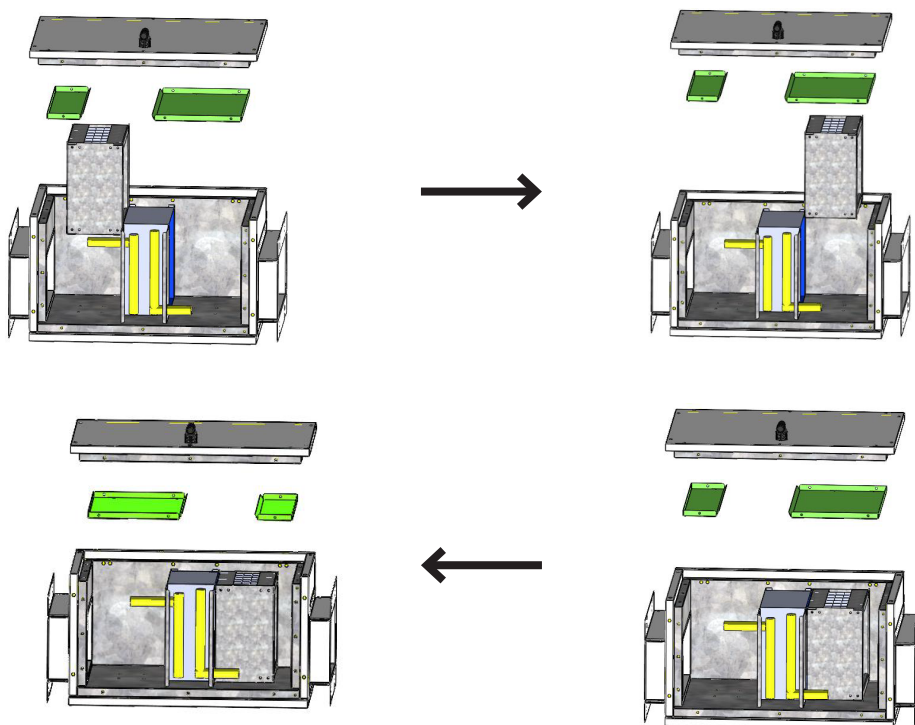


Supply Air Temperature Sensor

The temperature sensor must be installed after the last module in the supply air line.

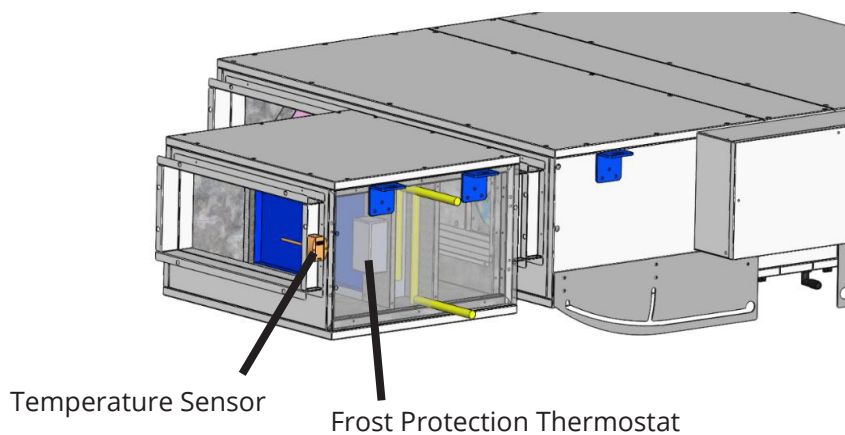


3 - If the flow direction is completely reversed, the drip catcher must be detached from the coil and moved to the other side and change the green parts.



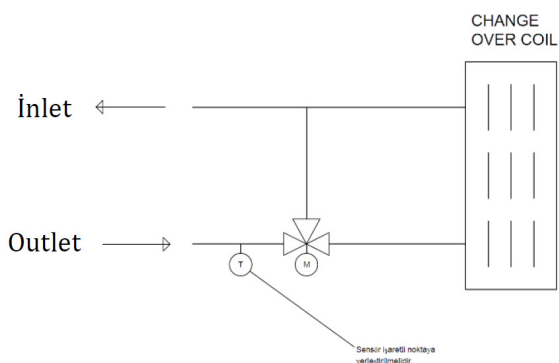
4. Change Over Coil

1 - Remove the cover.



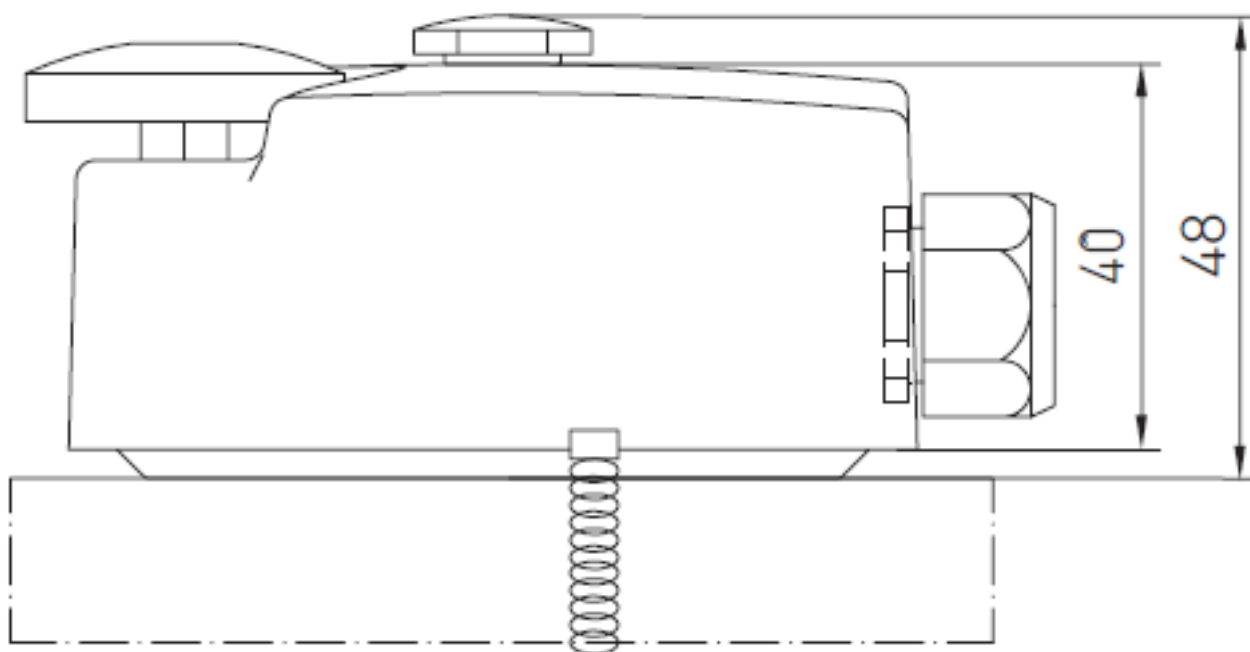
Changeover Sensor

The temperature of the pipe at the coil inlet must be detected by the PLC in order for the coil to operate in both heating and cooling modes. The change over sensor for this process is shipped disassembled.



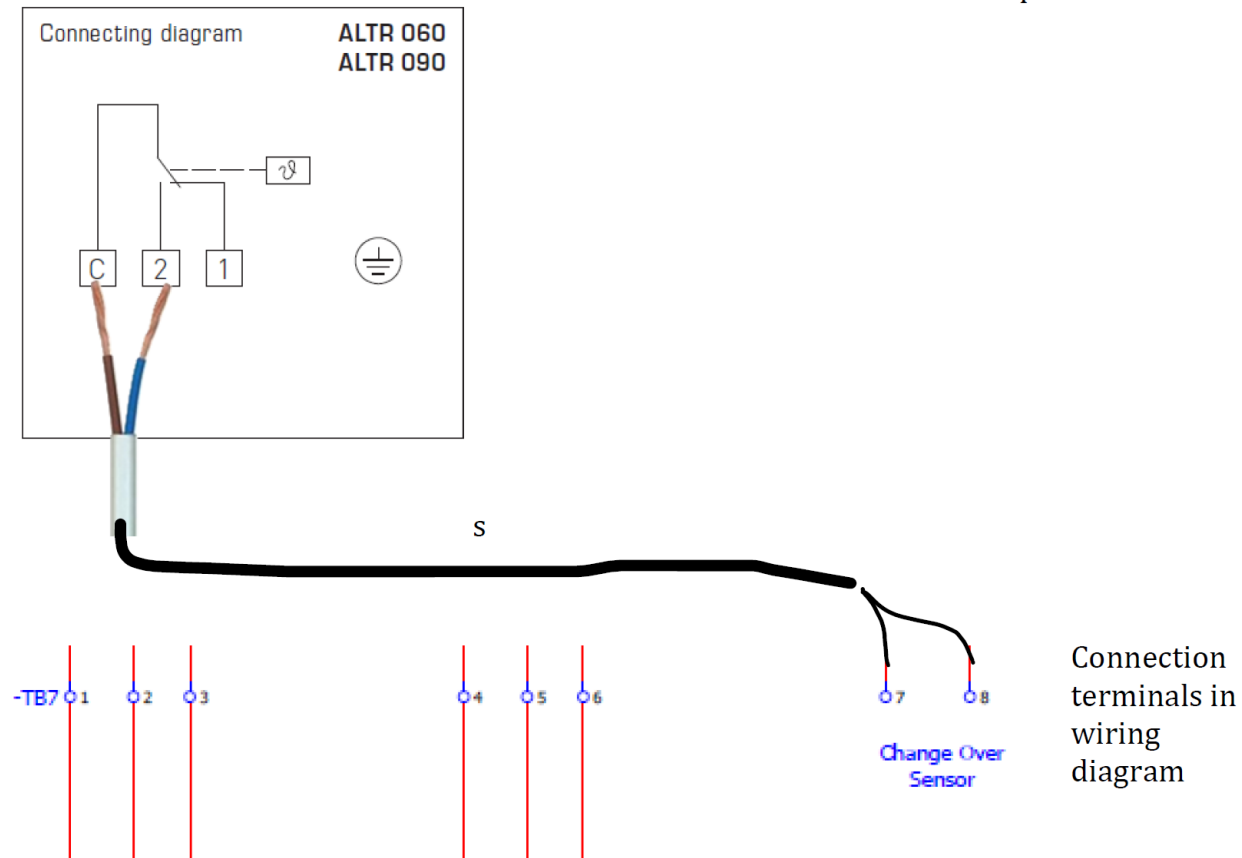
The sensor should be mounted to the point shown in the picture on the installation.

!! The installation must be set up with 3-way valve. 2-way valve should not be used.



For the installation process, place the sensor on the pipe and tightly fasten the chain as shown in the picture.

Sensor cable must be connected to the C and 2 terminals as shown in the picture below.

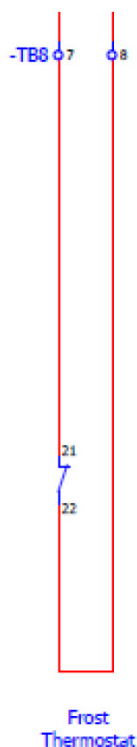


Supply Air Temperature Sensor

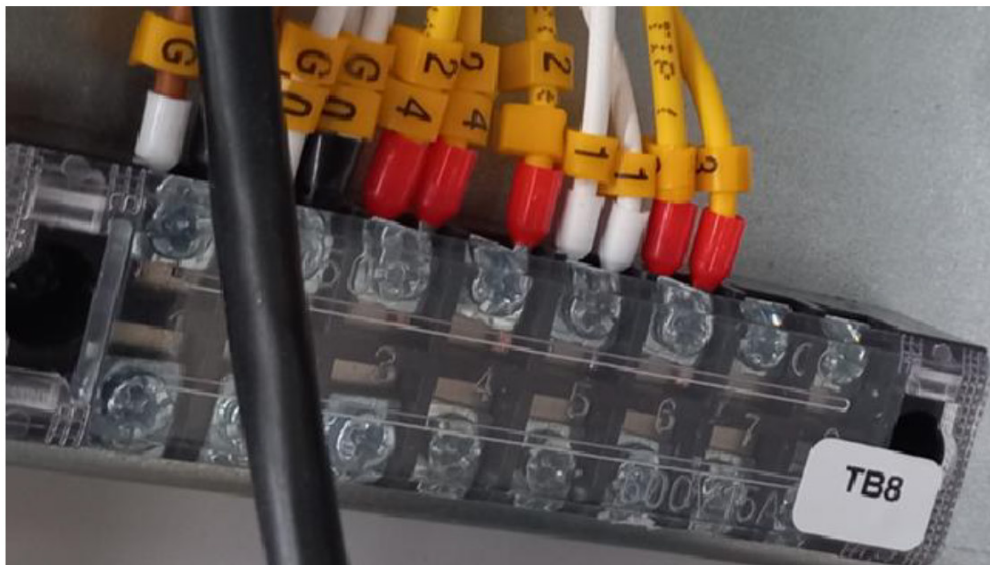
The temperature sensor must be installed after the last module in the supply air line.

Frost Protection Thermostat Connection

The frost thermostat is mounted on the water coil and is supplied with a cable. The cable must be connected to the relevant terminals on the panel as described below.



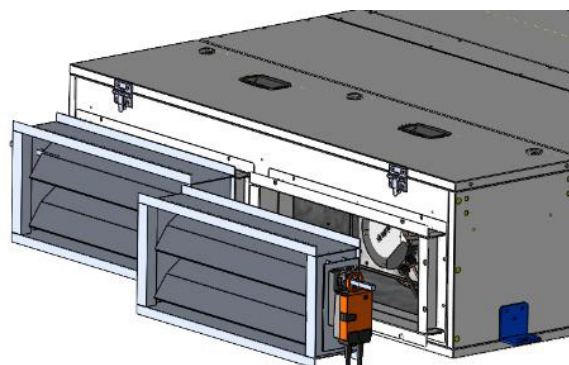
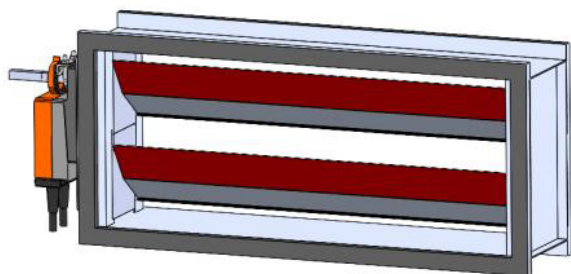
Connection terminals in wiring diagram



5. Accessory Installation

5.1 Damper

- Apply the Maxivent sealing gaskets (5×20 semi-open cell EPDM) around the flex connection.
- Mount using 5,5×25 trapezoidal screw.

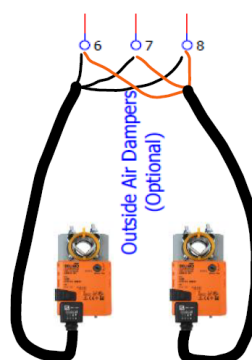
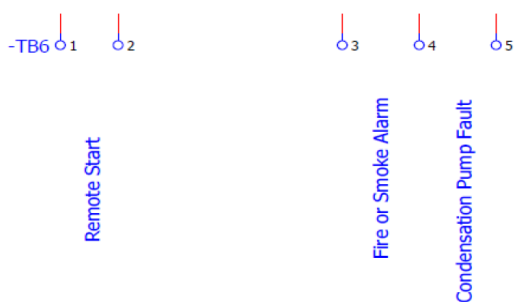


The damper motor cables are supplied ready for use. The cables must be connected to the relevant terminals on the panel as described below.

Non-Spring Retun Damper Actuators (BELIMO)

Both the fresh air and exhaust dampers are connected to the same point.

TB6:6 Open terminal, TB6:7 Close TB6:8 GND terminal,

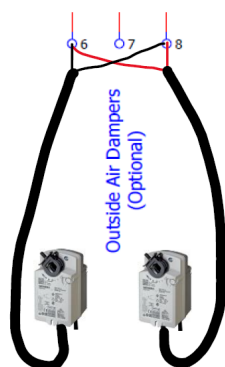
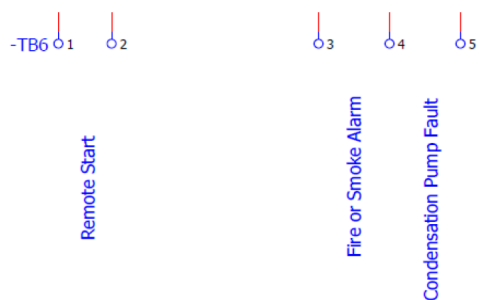


Connection terminals in wiring diagram

Spring Retun Damper Actuators (SIEMENS)

Both the fresh air and exhaust dampers are connected to the same point.

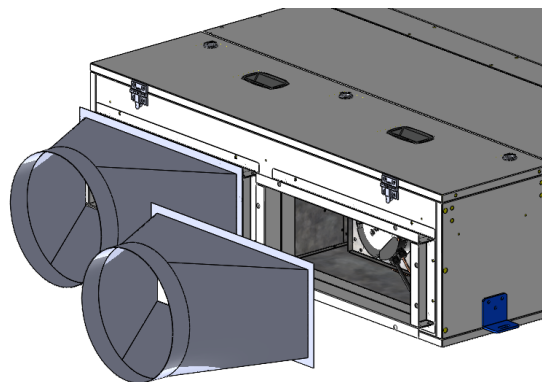
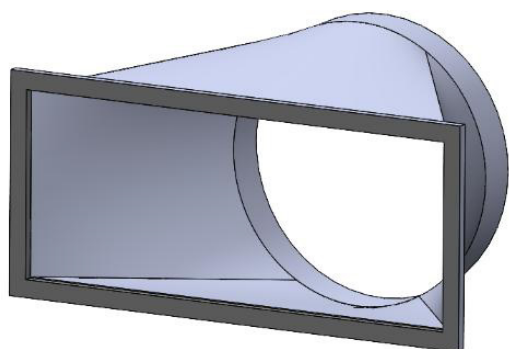
TB6:6 Open terminal, TB6:8 GND terminal,



Connection terminals in wiring diagram

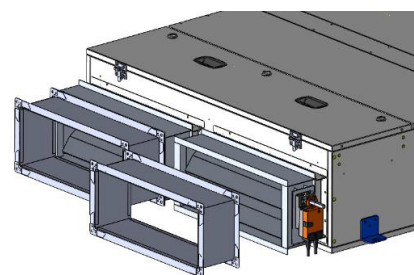
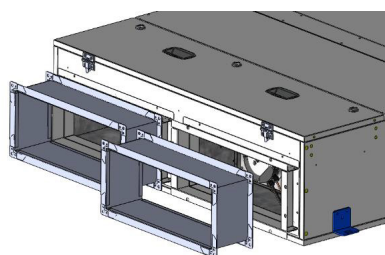
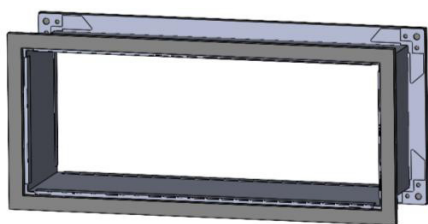
5.2 Round Connection

- Apply the Maxivent sealing gaskets (5×20 semi-open cell EPDM) around the flex connection.
- Mount using 5,5×25 trapezoidal screw.



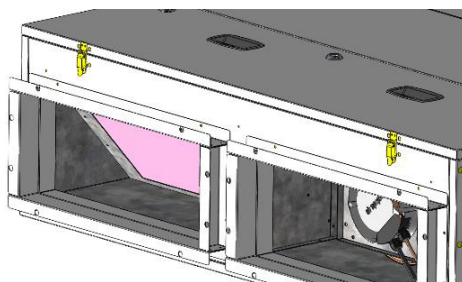
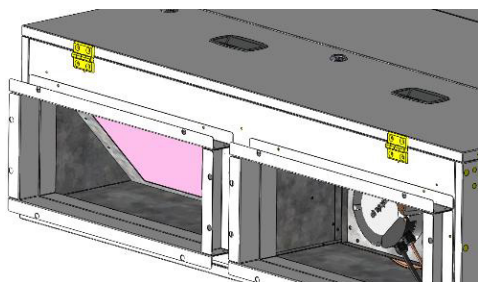
5.3 Flex Connection

- Apply the Maxivent sealing gaskets (5×20 semi-open cell EPDM) around the flex connection.
- Mount using 5,5×25 trapezoidal screw.
- When mounting on a damper: Fasten screws only from the top and bottom. Side screws may damage the damper gears.

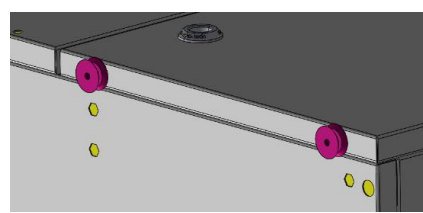
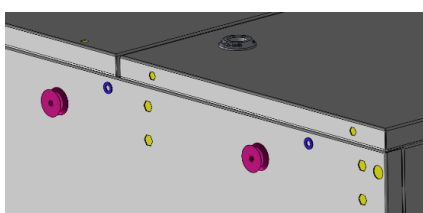
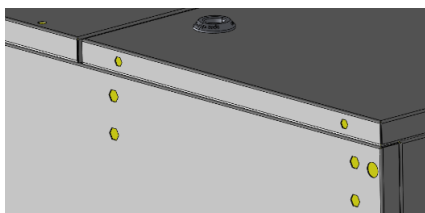


5.4 Sliding Door

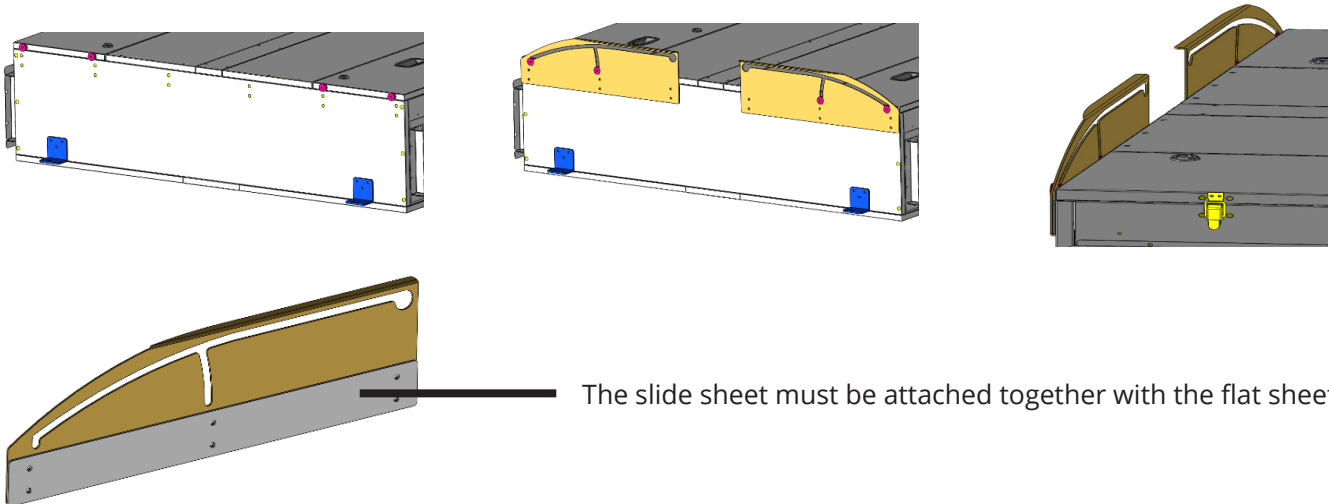
- First, remove the hinges.
- Install the lock using 4×8 rivets instead.



- Attach the wheel to the open hole on the door using an M5x20 bolt together with a washer and apply Loctite.

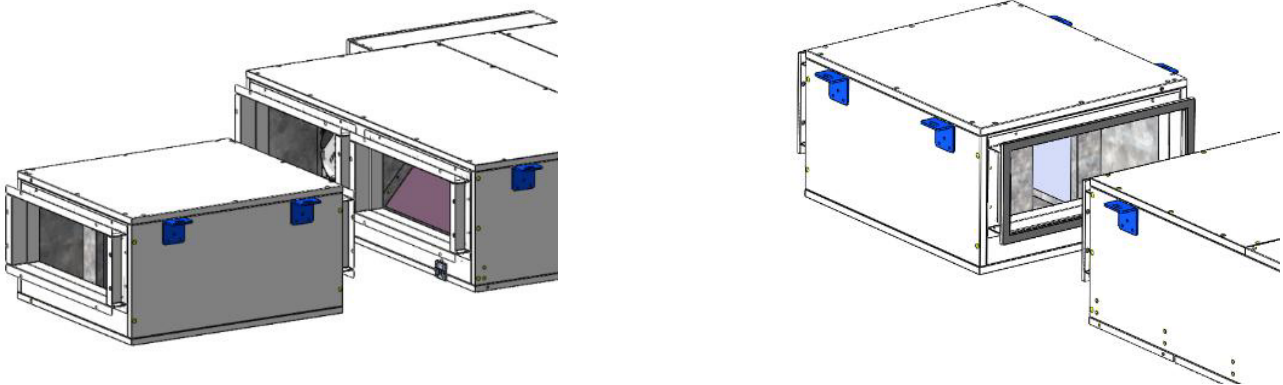


- Attach the slide sheets to the open holes on the panel using M6x20 bolts. The slide sheets must be installed with the bends facing outward..

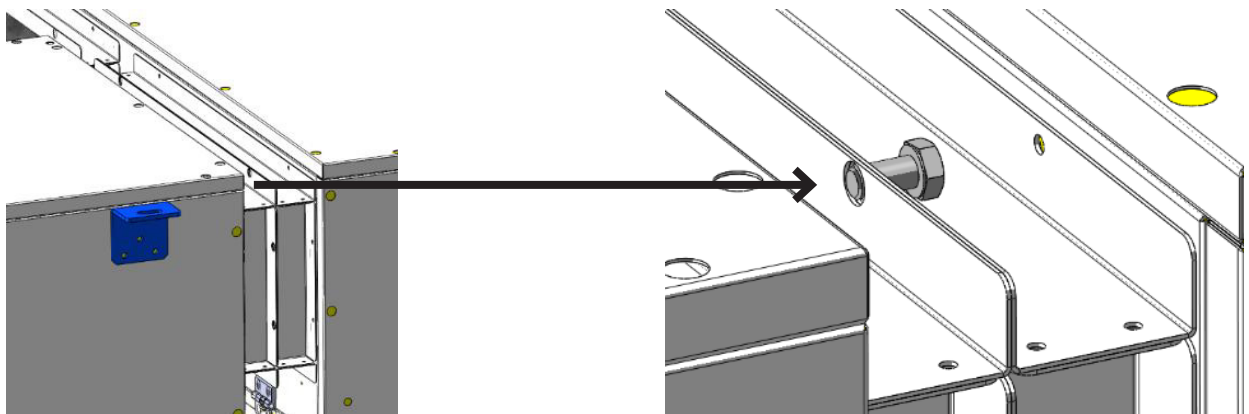


6. Module Connection Detail

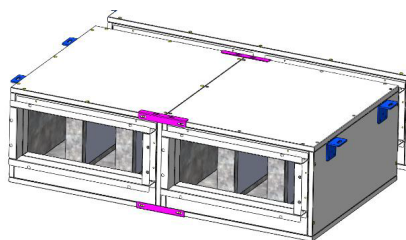
- Apply the Maxivent sealing gaskets (5×20 semi-open cell EPDM) around the flange.



- Additional modules should be connected flange-to-flange using M8x16 bolts.



- If two modules are aligned side by side at the same level, the parts marked in pink below must be fastened using M6×20 bolts. These parts are supplied together with the module.



- If two modules are positioned side by side but are not aligned at the same level, the part marked in pink below must be fastened using M5×20 bolts. These parts are supplied together with the module.

