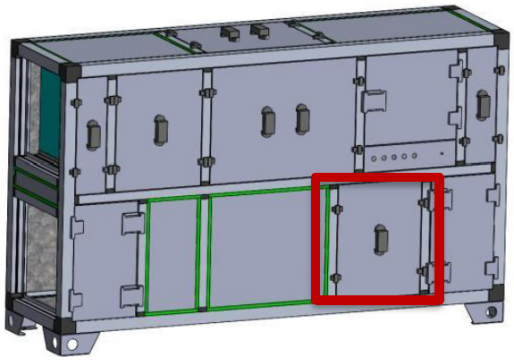
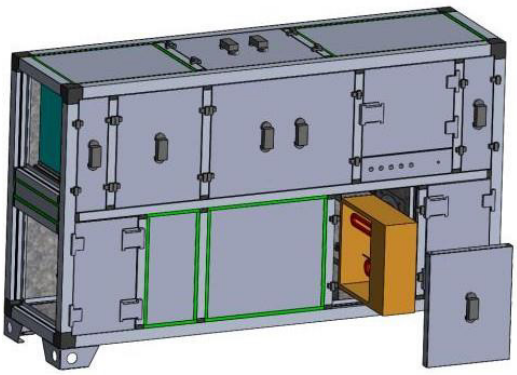
Optional Component Installation Manual M45 - MR45

Post-Heater Installation

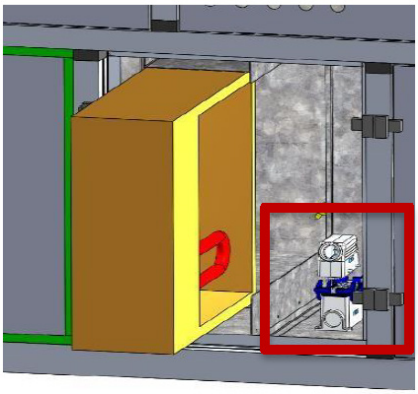
1. Open the panel covers.



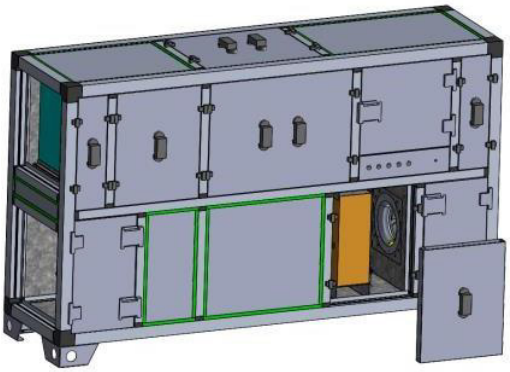
2. Slide the electric heater into its rails.



3. Connect the Plug & Play sockets.



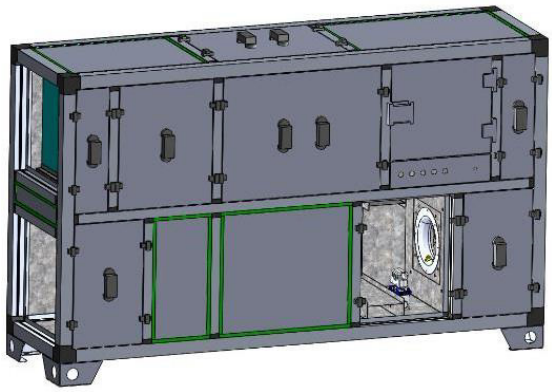
4. Close the covers.



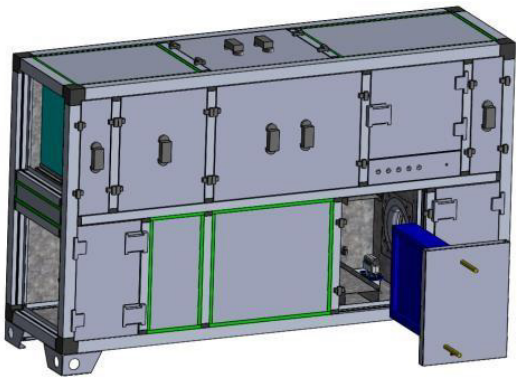
5. After installation, the software configuration must be uploaded. See Page 15

Water Heating Coil Installation

1. Remove the standard removable door.



2. Slide the coil (with cover) halfway into its rails.



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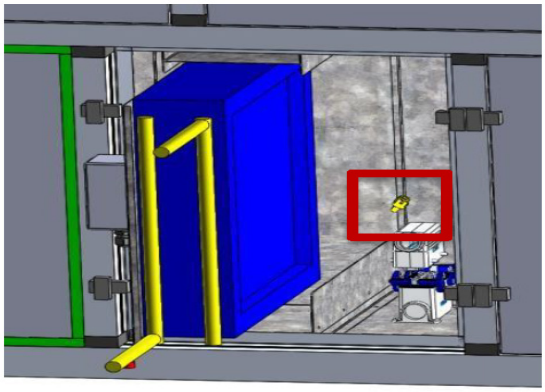
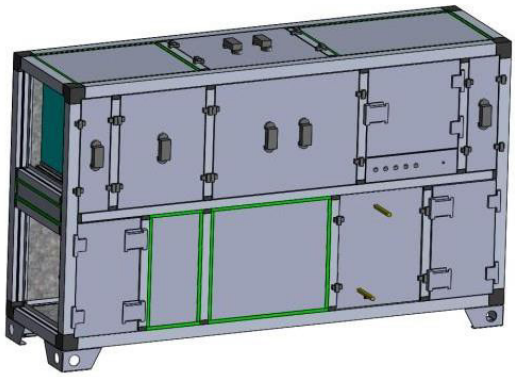
3. Connect the Plug & Play sockets.



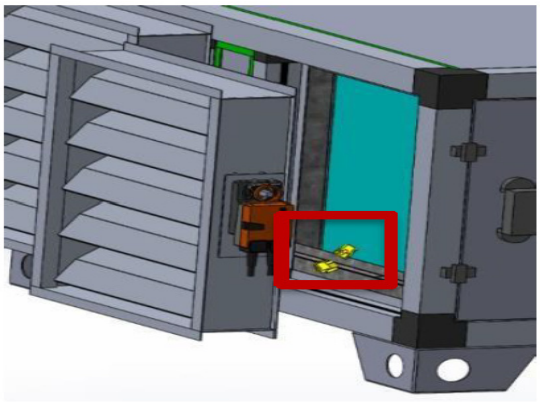
4. Slide the coil fully into place and close the door.



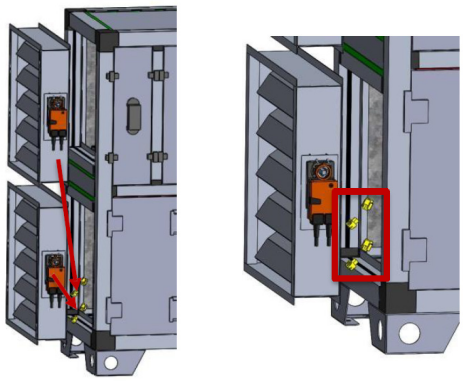
5. After installation, the software configuration must be uploaded. See Page 15.

Damper Installation

• In horizontal models, damper motor cables are located behind the dampers.

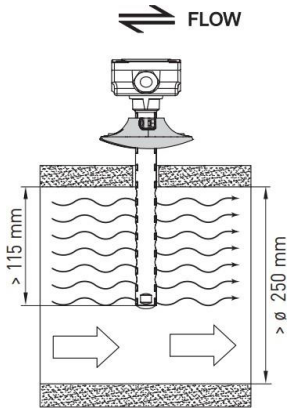


In vertical models, both cable connections are in the exhaust section. Connect the Plug & Play sockets as shown.

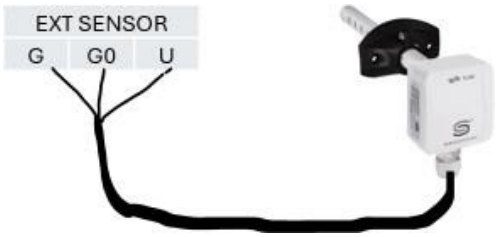


Humidity and CO2 Sensors

Optional sensors operate based on CO_2 or humidity levels. For this reason these sensors must be installed in the return air duct. The image below shows the correct mounting method.



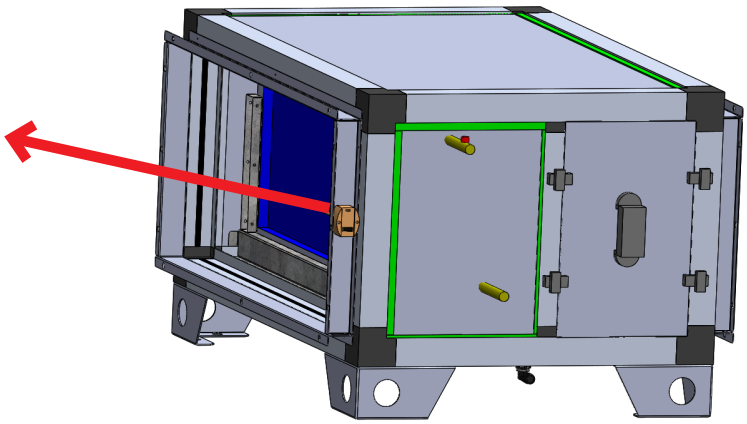
Use the EXT SENSOR terminals reserved in the electrical panel for sensor connections.



Changeover & Supply Temp. Air sensor connections

Supplt air temperature sensor

The DX coil and cooling coil are supplied with an external module. A temperature sensor is factoryinstalled at the supply point. The temperature sensor cable must be connected to the panel.



The cables connected to the base unit should be disconnected, and the cables of the external sensor should be connected to the relevant terminals.

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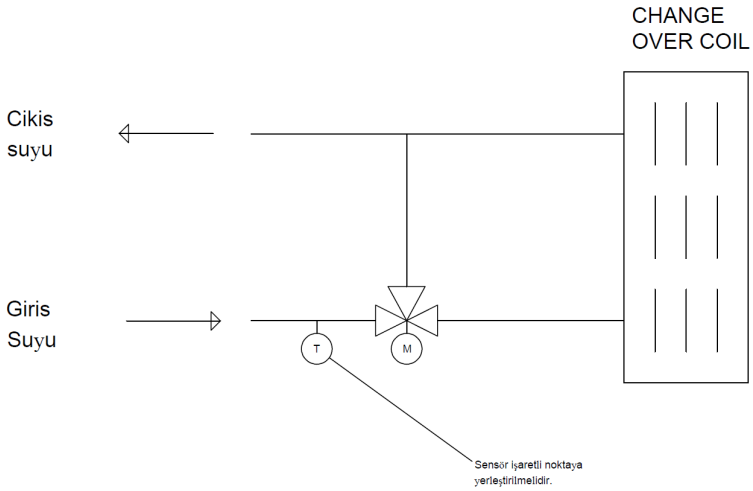
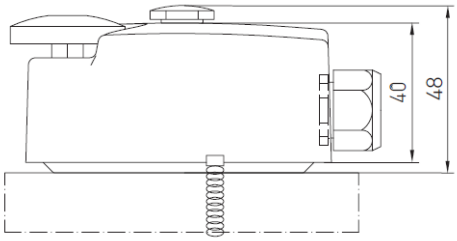
Change over sensor

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.

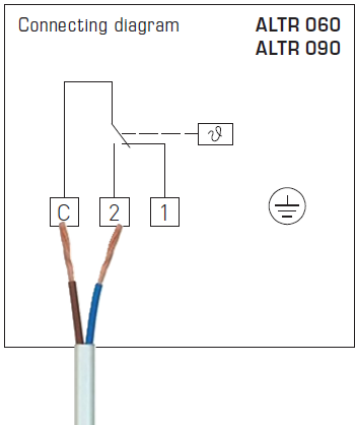


The sensor should be montaged to the point shown in the picture on the istallation.
!! The installation must be set up with 3-way valve. 2-way valve should not be used.

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

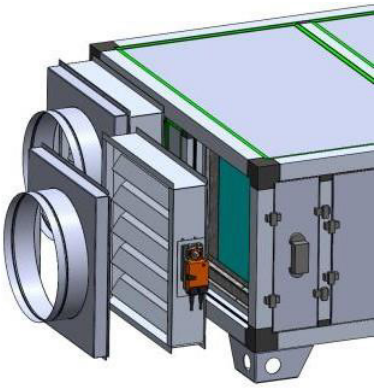


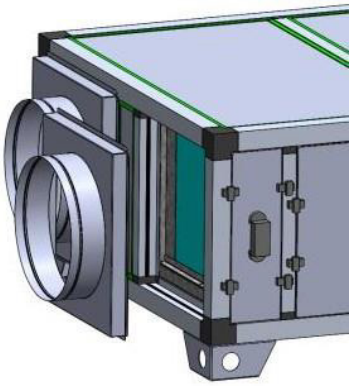
Sensor cable must be connected to the C and 2 terminals as shown in the picture below.



Round Connection Installation

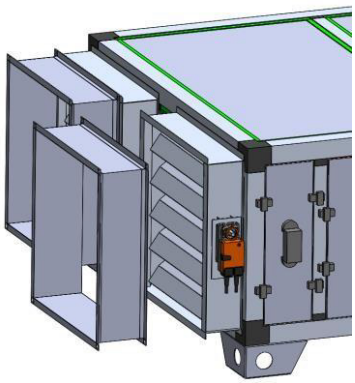
- Sealing gaskets provided by Maxivent by Econox must be applied around the round connection sheet.
- Mount on the relevant airflow side of the device using 4x16 self-drilling screws.
- When mounting on the damper, screws should only be fastened from the top and bottom. Screws from the sides may damage the damper gears.

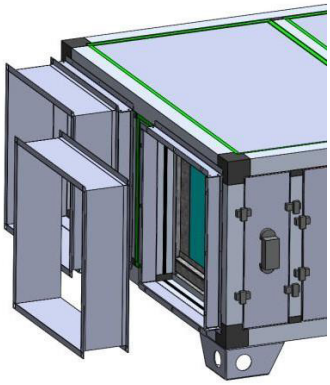




Round Connection Installation

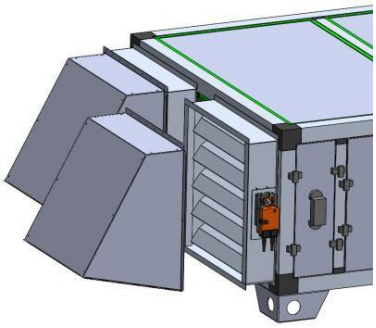
- Sealing gaskets provided by Maxivent by econox must be applied around the flex connection.
- Mount on the relevant airflow side of the flex connection using 4x16 self-drilling screws.
- When mounting on the damper, screws should only be fastened from the top and bottom. Screws from the sides may damage the damper gears.

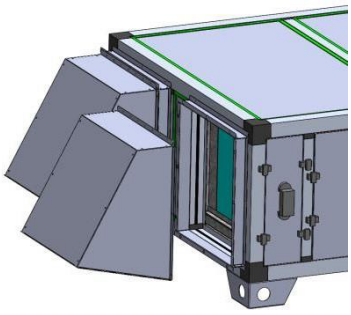




Hood Installation

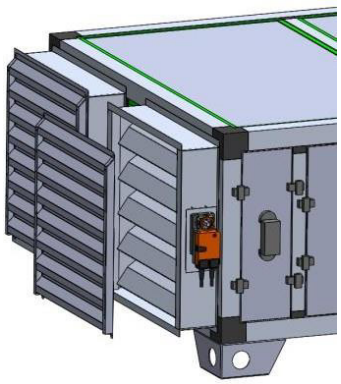
- Sealing gaskets provided by Maxivent by Econox must be applied around the hood.
- Mount on the relevant airflow side inside the hood using 4x16 self-drilling screws.
- When mounting on the damper, screws should only be fastened from the top and bottom. Screws from the sides may damage the damper gears.

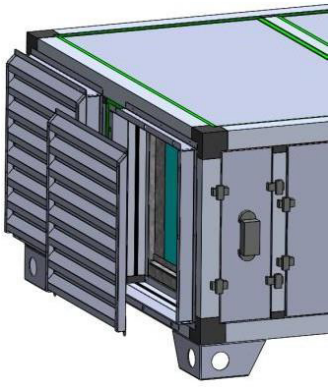




Louvre Installation

- Sealing gaskets provided by Maxivent by Econox must be applied around the louvre.
- Mount on the relevant airflow side inside the louvre using 4x16 self-drilling screws.
- When mounting on the damper, screws should only be fastened from the top and bottom. Screws from the sides may damage the damper gears.





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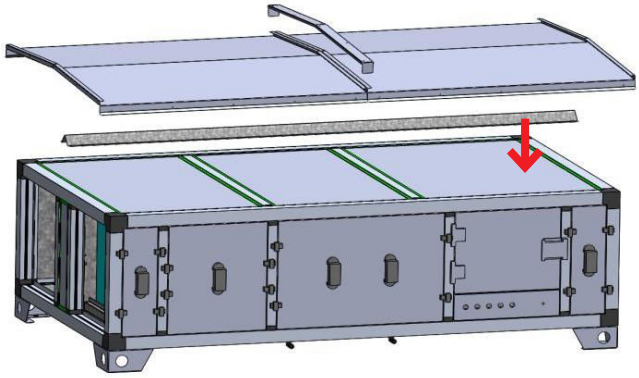
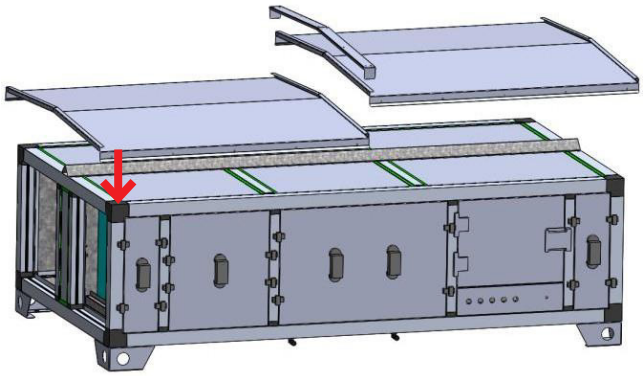
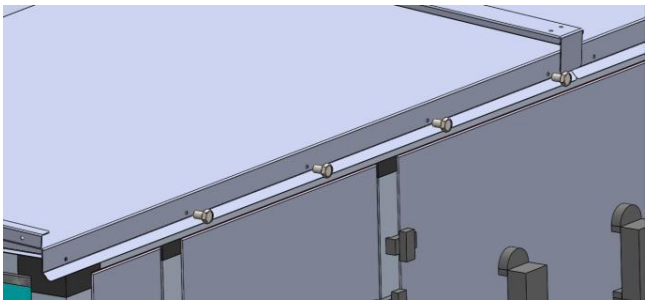
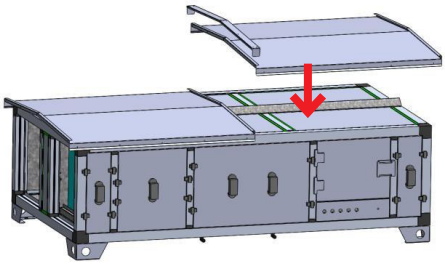
Roof Installation

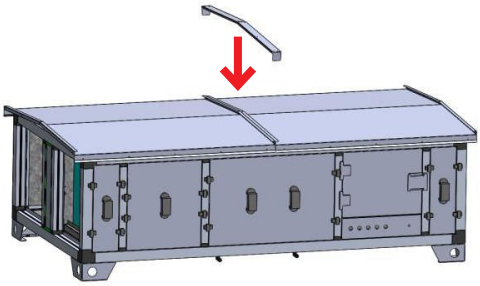
The roof installation process is shown below in order. Roof fasteners will be supplied with the roof.

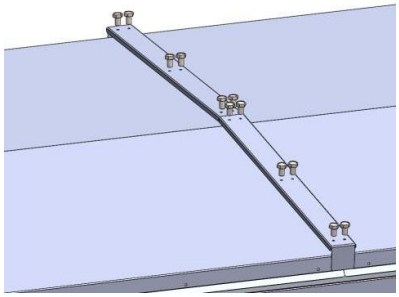


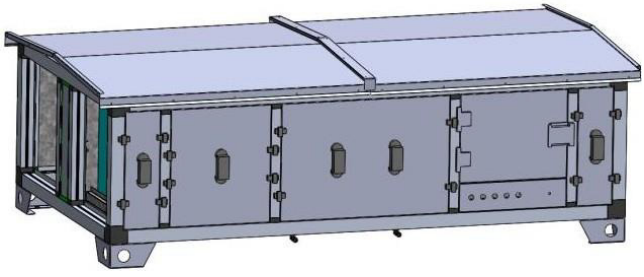


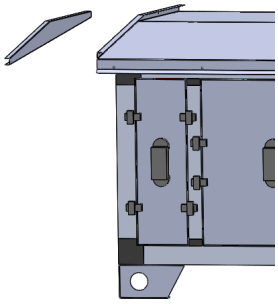


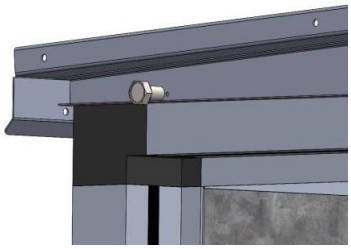












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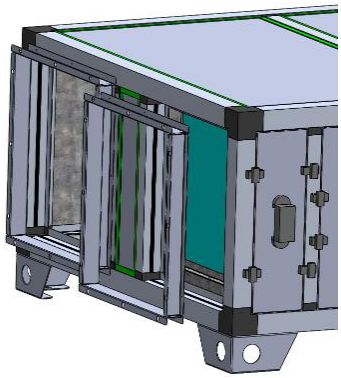
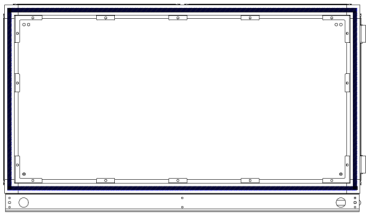
External Modules Installation

The modules must be assembled by tightening the screw nuts of the connection equipment . The necessary fasteners are supplied with the device. Connections must be perform as shown below.

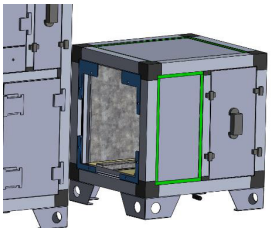
- The flanges must be removed before mounting the external modules.

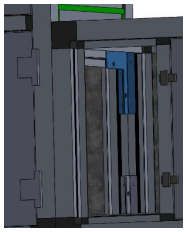


- Before assembling the modules of the device, a clean and dry surface must be provided and then the gasket must be pulled in one piece. The gaskets are supplied by Maxivent by Econox together with the device. (5x30 Epdm Gasket) It is sufficient to to make the gasket implementation to one of the two modules that will be assemble. If necessary, gaskets can be used in pairs. Gasket implementation should be done as a single piece, not as a combination of gaskets with different sizes, in addition, sealing between modules must be ensured.



- There will be sheet metal connection parts on the external module for internal connection. However, these parts must be mounted inside the unit. The parts must be precisely aligned with the corners and connected by drilling through the profiles.





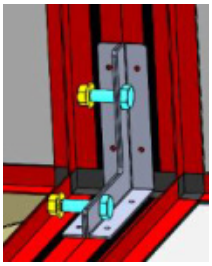
- For the internal connection, following fasteners that are supplied by Maxivent by Econox must be used.

M12x30 Screw

M12 Nut

5x30 Epdm Gasket

- The connection should be made as shown below. The connection should be made as shown below. This connection can be made through service doors.



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Scenario Table

The system operates based on combinations of installed options. To define the correct control logic:

1. Fill out the table below accordingly.
2. Notify Maxivent by Econox of the selected scenario.
3. Maxivent by Econox will send the scenario software.
4. ECONOX/Client must be installed as per the selected scenario.

45	12	None	None	None	None
	16	CO2	PH	EH	DX
	23	HUM		HC	CCW
	40				COC
	55				

> Example Code: 45-12-CO2-None-PH-None-COC