

ICI-F SPLIT ASSEMBLY

MONTAGE MOUNTING MOHTAK MONTOWANIE

This installation instruction (from A to G below, divided into three steps) is to be followed when ICI-F is delivered in two modules. See ICI-F-PB for the plenum box and ICI-F-D for the diffuser part.



The plenum box contains, upon delivery, the diffuser control unit and its surface temperature sensor. The control unit with its sensors must be mounted and connected to the diffuser module BEFORE the assembly of ICI-F is completed by attaching the diffuser to the plenum box.

STEP 1: HANG UP THE PLENUM BOX PART

A. Suspension of the junction box (VE)

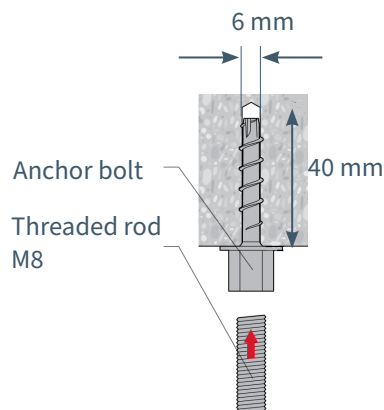
On the upper side of the junction box there is a rivet nut for suspension via machine screw/threaded rod (M8). U-bracket with screw is included. The plenum box protective cardboard is left in place for protection during installation.

B. Duct connection (VE)

The normal procedure is followed for duct connection.
Connection: Ø 200 mm

Connection box CBD (EE)

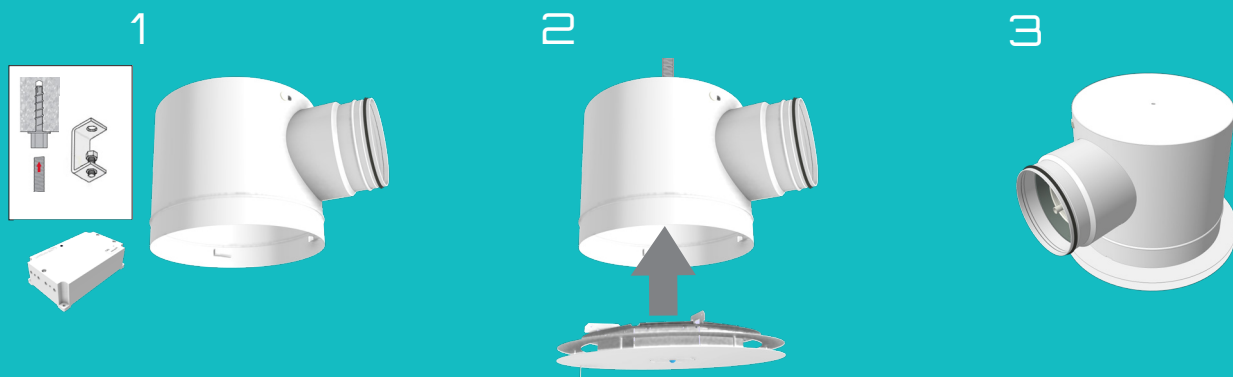
The connection box is delivered pre-assembled to the plenum box. The box is used for connecting the CAN loop (includes power supply) and accessories.



Example of fastening the threaded rod in concrete.



Example of U-bracket. The bracket is mounted on the top of the junction box with a screw (M8x20).



This document provides a brief overview of each step required for the correct installation of the complete ICI-F unit when the plenum box and diffuser module are delivered separately.

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STEP 2: ATTACH THE CONTROL UNIT AND SENSORS

A. Install the fall protection (VE)

Hang up the diffuser part using the string that emerges from the plenum box part.

The string is mounted in the red-marked holder on the diffuser module.

B. Attach the control unit (VE)

The control unit is located at delivery on the inside of the plenum box part. Lock the unit into the bracket on the inside of the diffuser part, ensuring the connected wiring and hoses pass through the holder mounted on the red-marked arm of the diffuser section.

C. Tape the surface temperature sensor (VE)

The surface temperature sensor that comes with the control unit is to be taped to the diffuser plate.

A marking on the diffuser plate shows where the sensor should be taped.

D. Connect the room temperature sensor (VE)

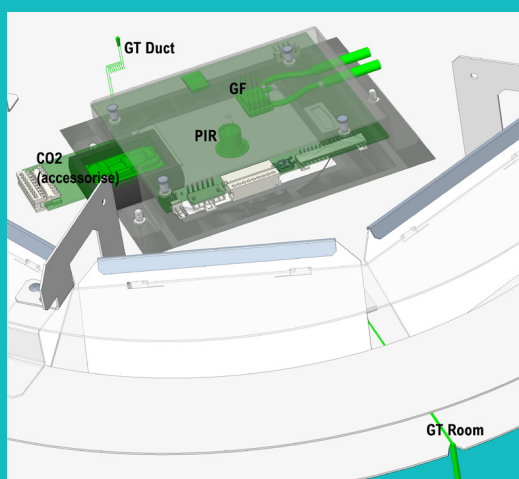
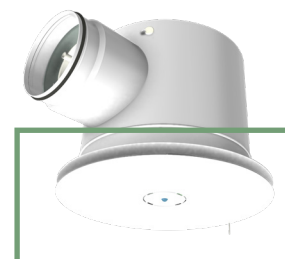
A room temperature sensor with wiring is pre-mounted on the edge of the diffuser plate. Connect the sensor wiring to the port ROOM TEMP on the control unit.

STEP 3: INSTALL THE DIFFUSER PART

E. Install the diffuser part in the plenum box (VE)

The installation is completed by attaching the diffuser to the plenum box using the bayonet fitting.

Before turning the diffuser clockwise until full stop: Orient the diffuser part so that the red-marked arm is positioned under the duct connection.



Components to notice on the diffuser module:

- Red marking showing where to attach the fall protection string
- Openings for the control unit sensors
- Bracket with a lock for fastening the control unit
- Holder for collecting cables and hoses
- Label showing where and how to connect the sensors
- Self-balancing lamellas for airflow adjustment
- Bayonet mount