

ICI-F SPLIT ASSEMBLY

This installation instruction (from A to G below, divided into three steps) is to be followed when ICI-F is delivered in two parts. 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 must be installed on the diffuser part **BEFORE** the assembly is finished by attaching the completed diffuser module in the plenum box.

STEP 1: HANG THE PLENUM BOX MODULE

A. Suspension of the plenum box (VE)

On the upper side of the plenum 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 during installation.

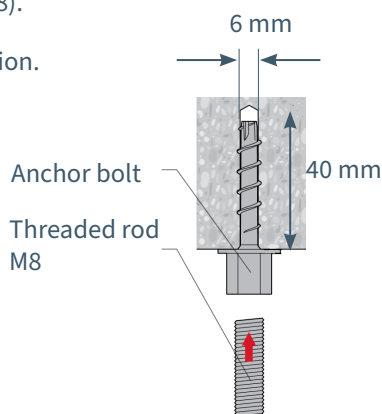
B. Duct connection (VE)

The normal procedure is followed for duct connection.

Connection: Ø 200 mm

Connection box CBD (EE)

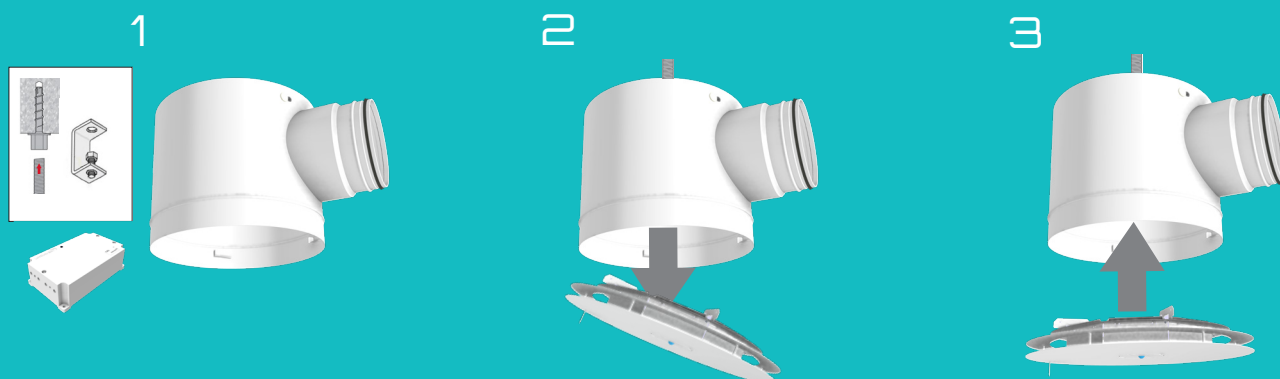
The connection box is delivered pre-assembled to the plenum box. The box is used for connecting the CAN loop (includes power supply) and accessories.



Example of fastening the threaded rod in concrete.



Example of U-bracket. The bracket is mounted on 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: COMPLETE THE DIFFUSER MODULE

C. Install the safety string (VE)

Hang the diffuser part using the string attached to the inside of the plenum box part.

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

D. Attach the control unit (VE)

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

E. 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.

F. Connect the room temperature sensor (VE)

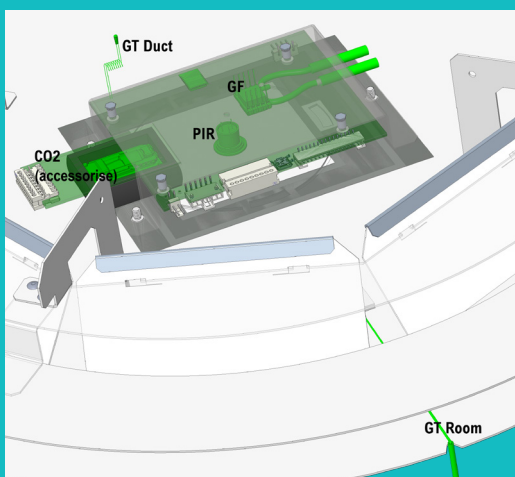
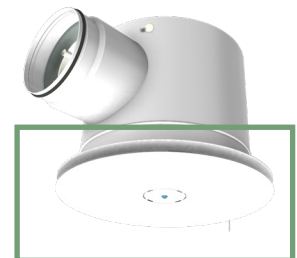
The room temperature sensor with wiring is pre-installed at the edge of the diffuser plate. Connect the sensor wiring to the port ROOM TEMP on the control unit.

STEP 3: ATTACH THE DIFFUSER MODULE

G. Attach the completed diffuser module (VE)

At split assembly the installation of ICI-F is finished by attaching the completed diffuser module to the plenum box using the bayonet fitting.

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



Components to notice on the diffuser module:

- Red marking showing where to attach the safety string
- Openings for the control unit sensors
- Locking bracket 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