



DOME0 210 RD DOME0 210 RD SC



CONTENTS

1. General information
2. Technical information
3. Installation
4. Characteristics and electrical connections
5. Commissioning the DOME0
6. Operating the DOME0
7. Maintenance
8. Putting out of service and recycling

The following items are included :

1. 1 x DOME0 210 RD
2. 1 x remote control
3. 1 x console programming (Excepting Domeo 210 RD SC model)
4. 1 x wall bracket
5. 2 x drain ducts
6. 1 x drain connection for air-conditioned houses
7. 1 x cable gland M16
8. 1 x 3 connections tab
9. 1 x Instruction manual



1. GENERAL INFORMATION

1.1 - Introduction

This manual is intended for the use of the central balanced-flow high efficiency DOME0 and its peripherals (ductwork, vents, controllers).

It is designed to provide clear and safe guidance for the design, installation and use of the product.

The products are constantly evolving and so, Soler & Palau reserves the right to modify this manual without prior notice.

1.2.- Warranty and Liability

Warranty

The DOME0 heat recovery system has three years warranty from the date of purchase. This warranty includes free delivery of necessary spare parts.

The warranty does not cover:

Installation and removal costs

Defects that, in the opinion of Soler & Palau, are due to improper installation, handling, neglect or accidental damage.

Those defects that arise as a result from operations or repair performed by a third party without permission from Soler & Palau.

To return a defective part, the user should contact their installer.

Liability

DOME0 is designed for ventilation systems in individual dwellings.

Soler & Palau is not responsible for damage caused by:

- Improper use,
- Normal wear of components,
- Failure to follow the instructions in this manual concerning safety, use and installation.
- The use of parts not supplied by Soler & Palau.

1.3.- Safety

General health and safety standards

The heat exchanger DOME0 has been designed to be incorporated into a ventilation system.

Following installation, there should be no risk to safety, health and the environment according to EC directives. This also applies to other products used in the installation.

The following general guidelines are important:

Follow the safety instructions to prevent injuries and damage to the motorised fans.

The technical characteristics described in this manual may not be changed.

The motorised fans must not be modified.

The motorised fans must be supplied with a single phase AC supply of 230 V / 50 Hz.

So that the installation complies with **EC** directives, the DOME0 must be connected to the electricity grid according to current national standards.

The device must be installed so that under normal operating conditions, there is no risk of contact with moving parts and power.

The DOME0 meets legal requirements for electrical equipment.

Before working on the machine, always turn the power off.

Use appropriate tools.

Use the machine only for the purpose for which it is intended.

2. TECHNICAL INFORMATION

2.1.- General information

The DOME0 ensures optimum ventilation of a house with a maximum energy recovery. It draws air from the rooms (bathroom(s), toilet, kitchen and wash room(s)) and supplies fresh air through the main rooms (living room, bedroom (s), office, etc.)

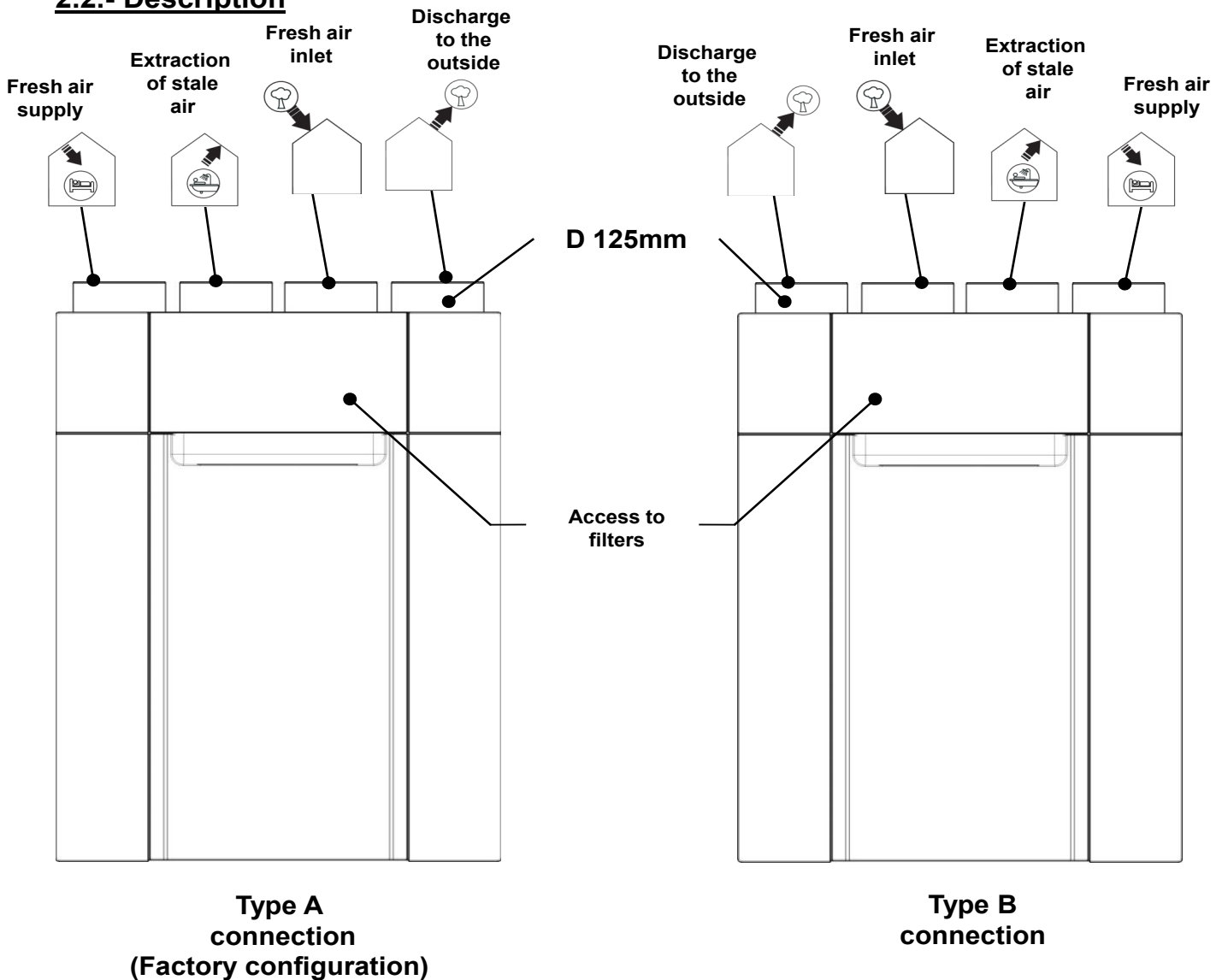
The fresh and extract airflows are separated and filtered. Only heat energy is transferred to the fresh filtered air that is introduced. Due to the high-efficiency heat exchanger used in the DOME0 performance can reach 92%.

Condensation forms during the heat exchange process and is recovered in the condensate tray, which must be connected to a waste water drain.

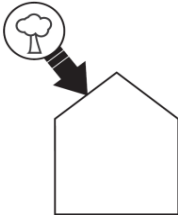
The DOME0 is equipped with a double condensate drain system that allows use in winter and summer for heated homes.

The DOME0 has a 100% heat exchanger bypass system and this allows the introduction of fresh air at night without it being heated by contact with warm air accumulated in the house during the day. The system operates automatically or can be used manually (see section 5-2).

2.2.- Description



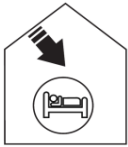
With the DOME0 you have the possibility to choice the connecting ductwork side.



Fresh air inlet:

This spigot is to connect the supply duct of fresh air from outside. Install the fresh air intake (wall or roof) a sufficient distance from any area of high pollution (trees, exhaust fumes, road, etc).

This duct must be sealed and insulated to prevent condensation on the outside and inside.



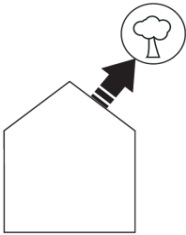
Fresh air supply:

Connect the supply air duct from living room and bedrooms. To avoid thermal losses, it is recommended to use insulated ducts for the warm air.



Extract air:

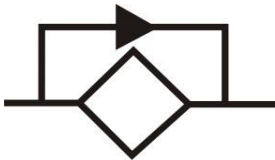
Connect the extract duct from the toilets, bathrooms and the kitchen. To avoid thermal losses and optimise the performance of the installation, it is recommended to use insulated ducts for the warm air.



Discharge of extract air:

Connect the discharge duct to the outside.

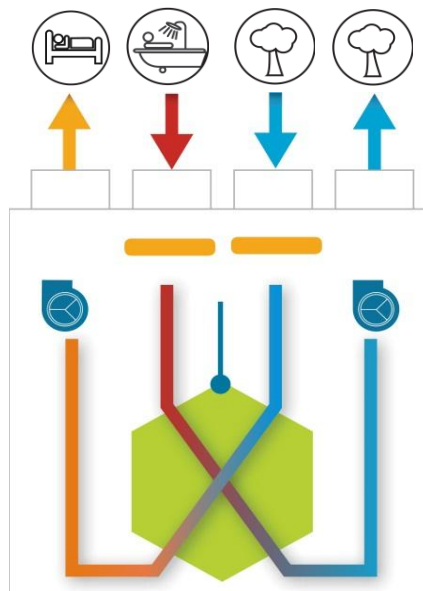
This duct must be well sealed and thermally insulated to avoid condensation both on the inside and outside.



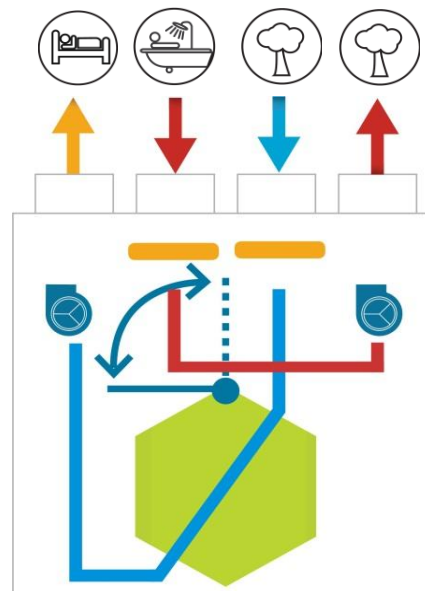
By-pass:

Having avoided the heat exchanger, the 100% by-pass system of the IDEO allows the introduction of cooler fresh air in the night without it being warmed by the warm air accumulated into the house during the day.

Operation with the bypass deactivated

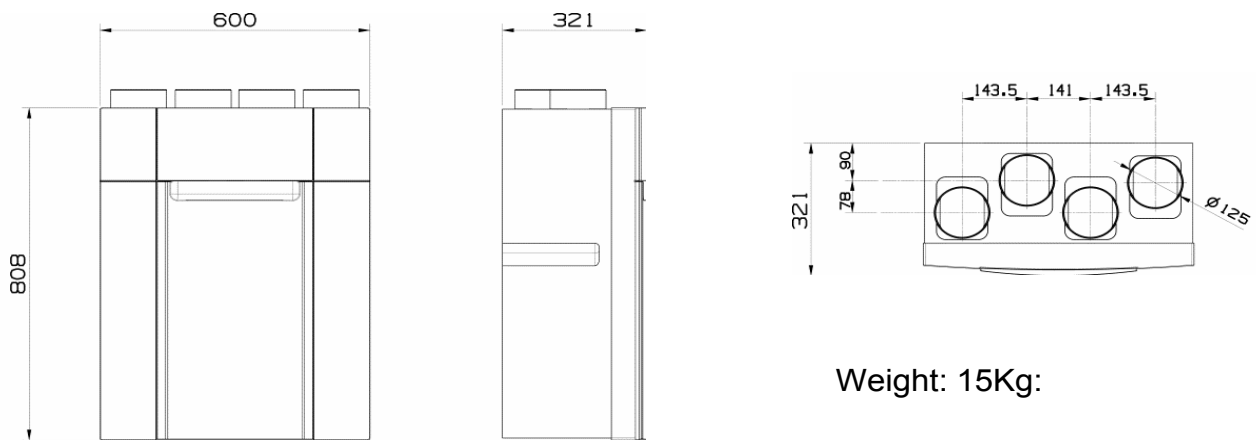


Operation with the bypass activated

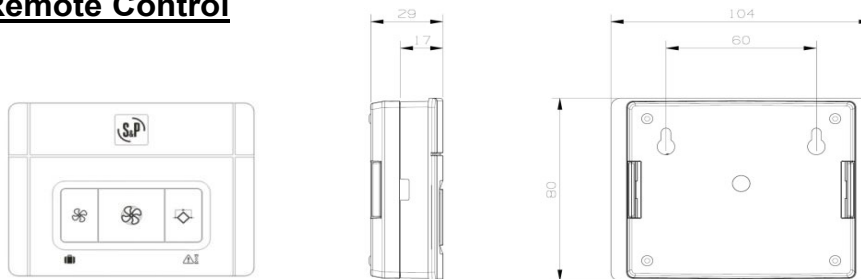


2.3 - Dimensional characteristics

2.3.a - Central:

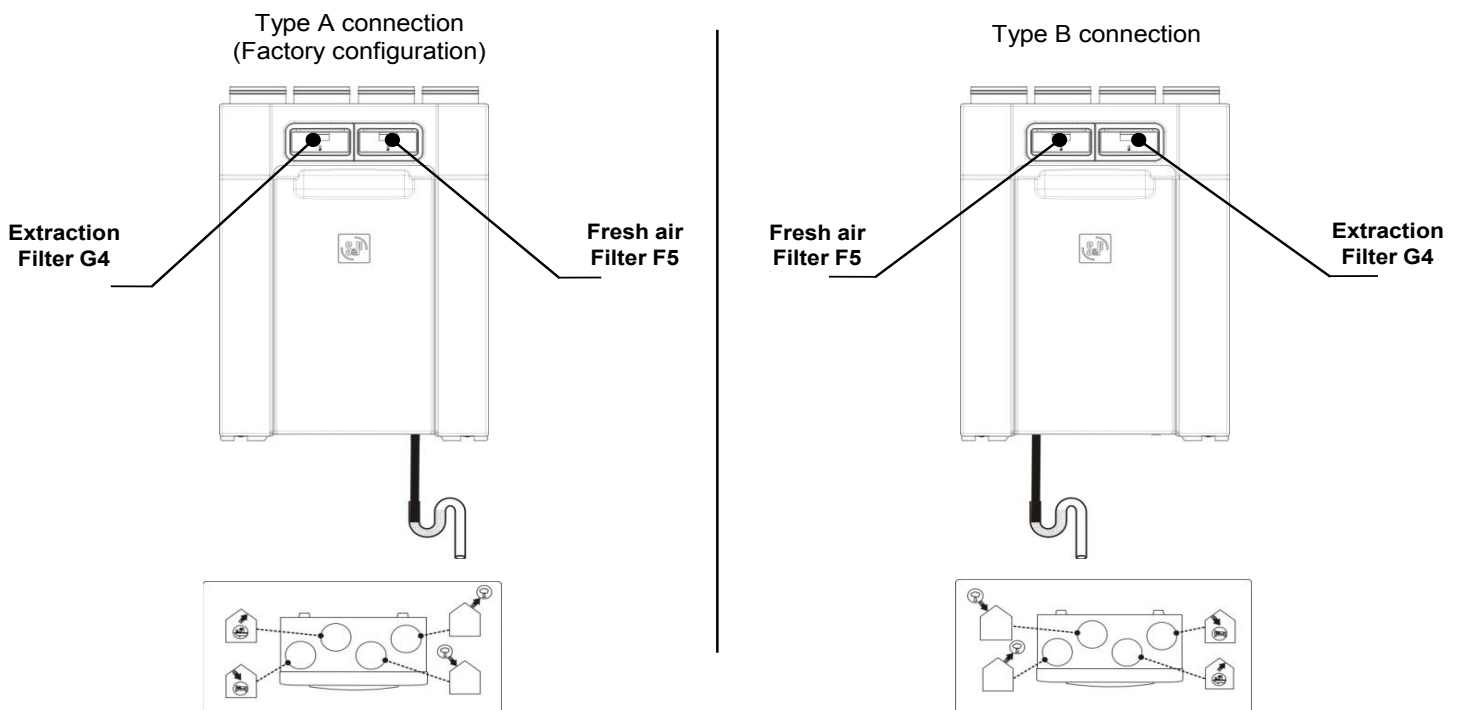


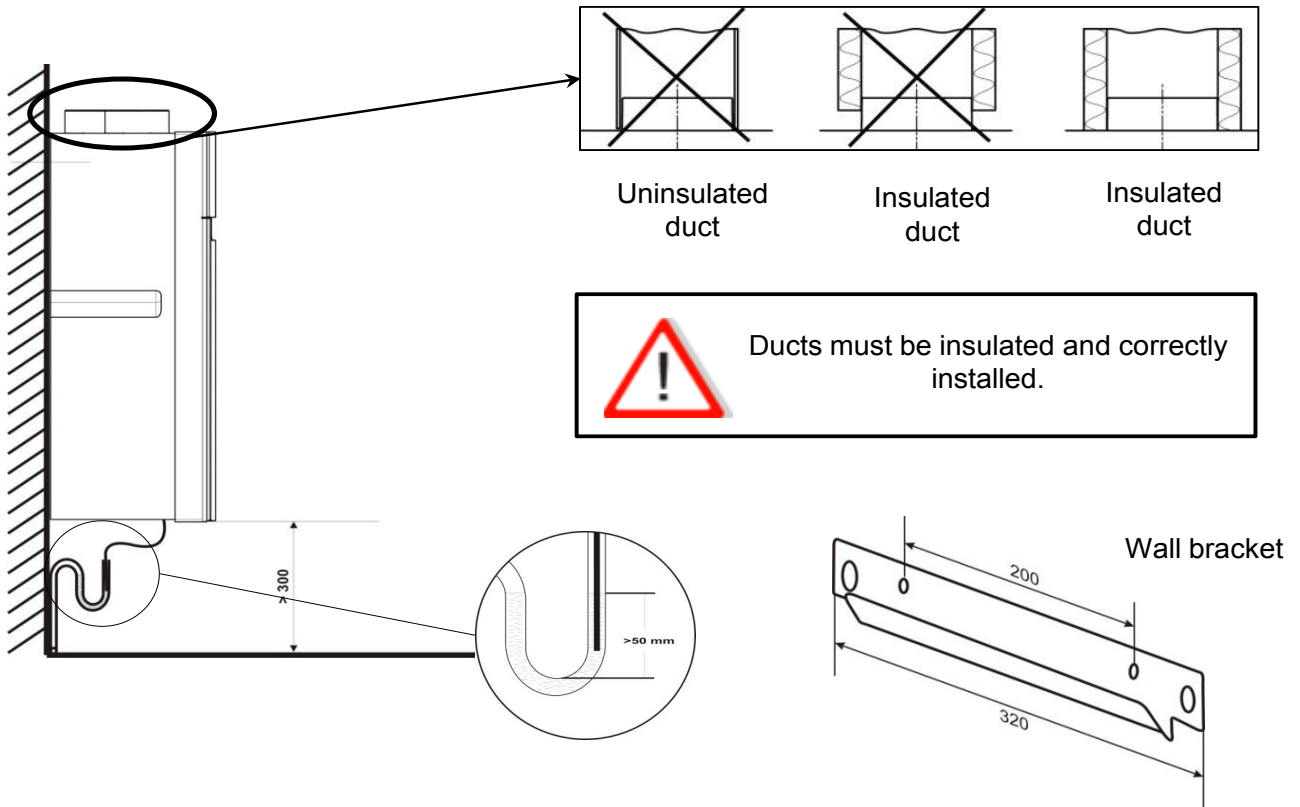
2.3.b – Remote Control





3 - INSTALLATION


Depending on the ductwork configuration, you have the possibility to modify the connecting side, Type A (Connection of the condensation drain on the right) or Type B (Connection of the condensation drain on the left). In case of Type B, you must **invert the filters**.





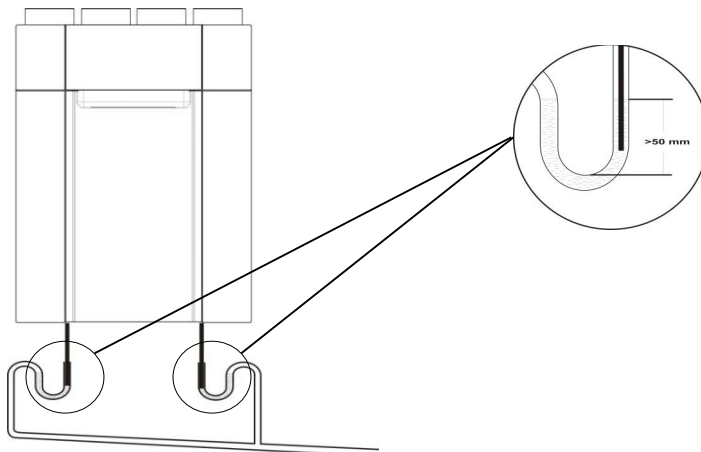
 It is advisable to install the DOMEQ in the heated area of the house. If not, it is mandatory to isolate the condensate drain.

 In areas where temperatures are regularly negative or can drop below -10°C , it is advisable to install a preheating battery.

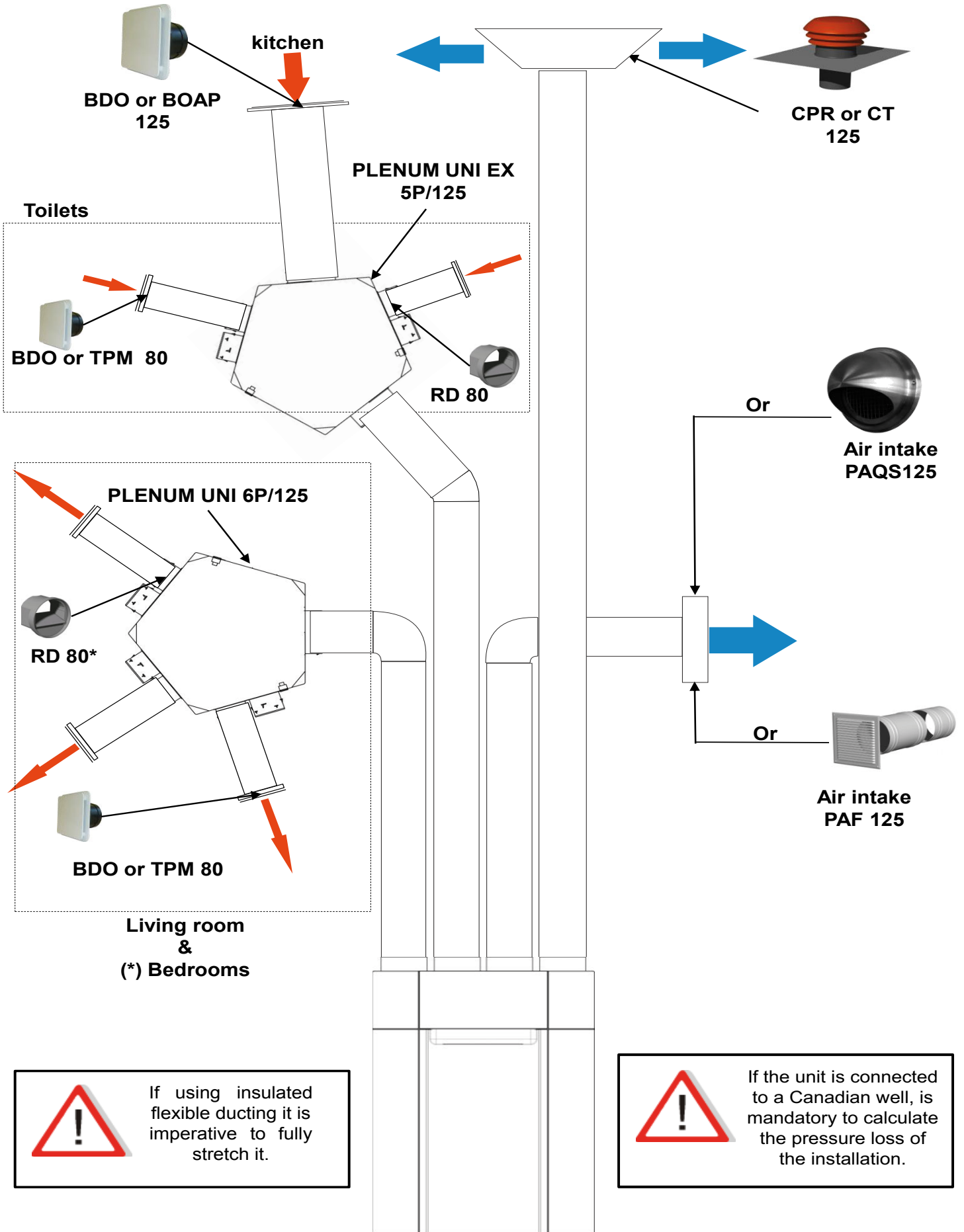
 The Domeo can be installed far away of the bedrooms and inside a room with acoustic treatment (technical room, cupboard, ...).

• **Air-conditioned house**

In summer, in this configuration, the condensation is generated on the other side of the heat exchanger. So, DOMEQ is equipped with a dual condensate drain system.

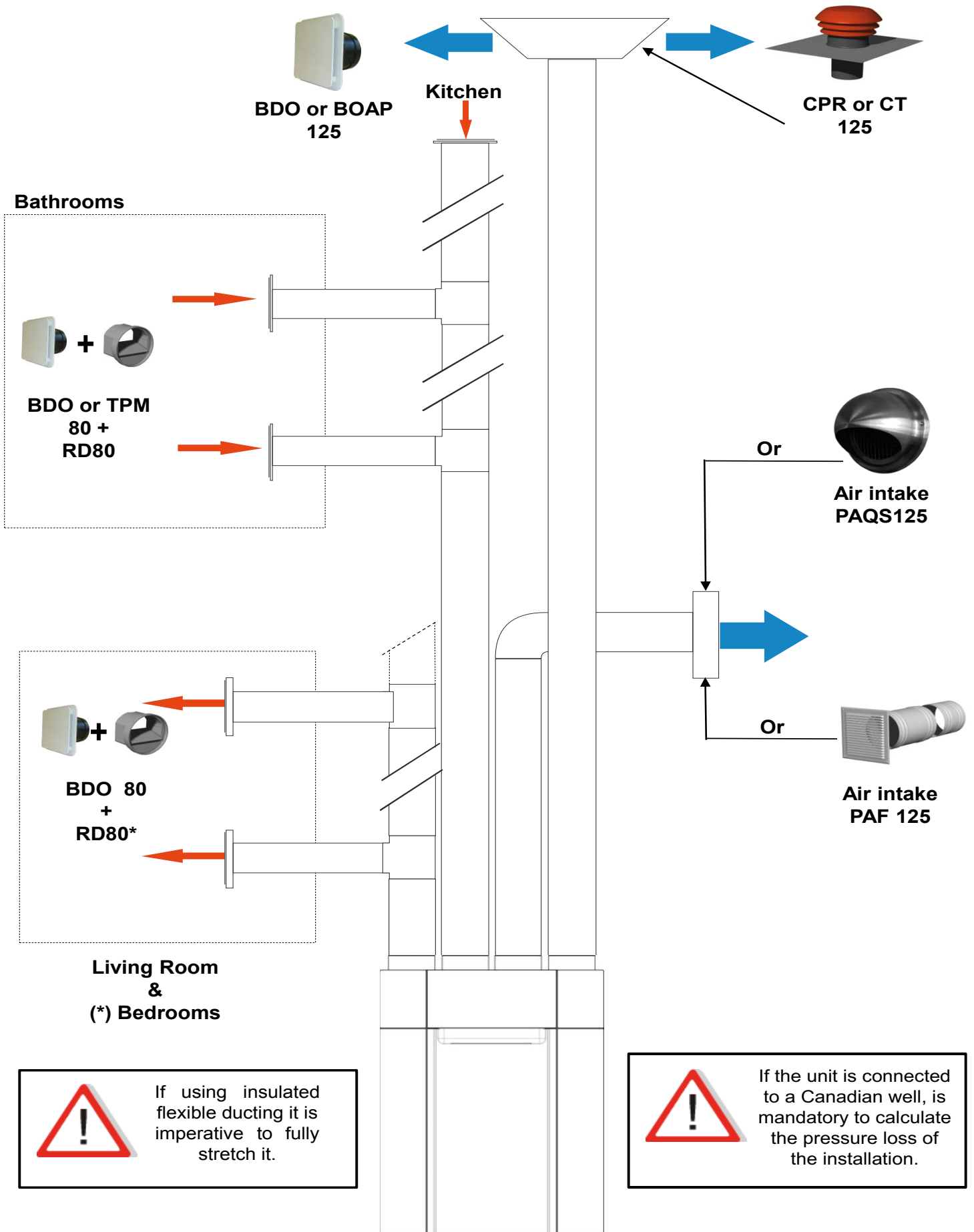


SAMPLE "REPARTITION" ASSEMBLY





SAMPLE "DISTRIBUTION" ASSEMBLY



BDO or BOAP
125

Kitchen

CPR or CT
125

Bathrooms

BDO or TPM
80 +
RD80

Or
Air intake
PAQS125

BDO 80
+
RD80*

Or
Air intake
PAF 125

Living Room
&
(*) Bedrooms



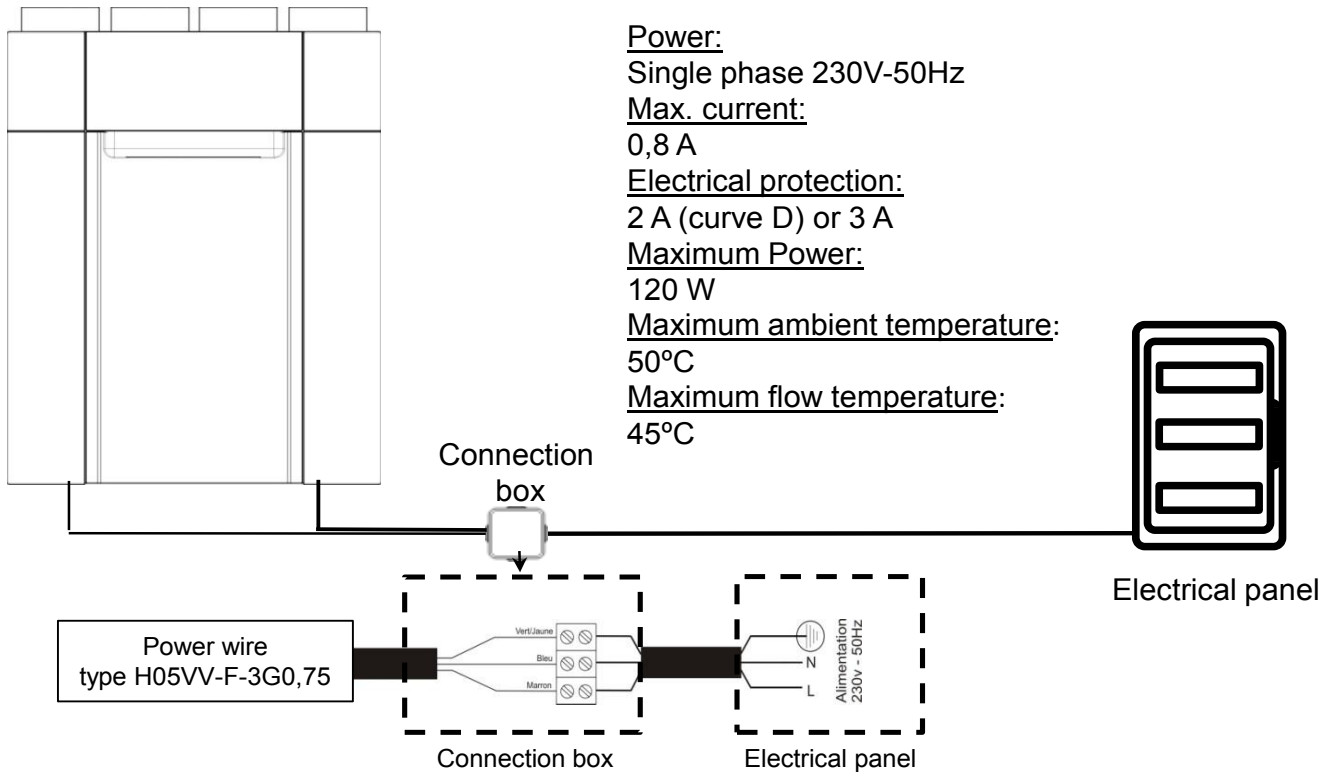
If using insulated flexible ducting it is imperative to fully stretch it.



If the unit is connected to a Canadian well, is mandatory to calculate the pressure loss of the installation.

4 - CHARACTERISTICS AND ELECTRICAL CONNECTIONS

Connect the supplied cable to the mains using a sealed connection box.



- **MODBUS network**

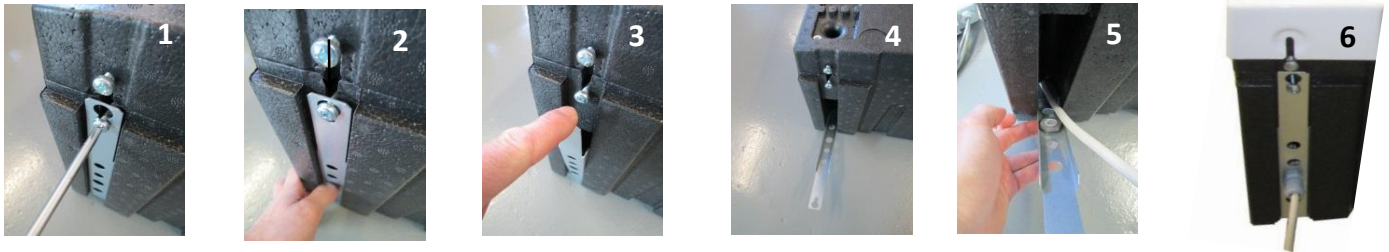
Use shielded cable and twisted-pair type **PAR-POS 2x2x0,34**.

- **Free voltage contact connection**

Pass the cable through the interior of ferrite type **WE 742 727 33 MnZn** twice.

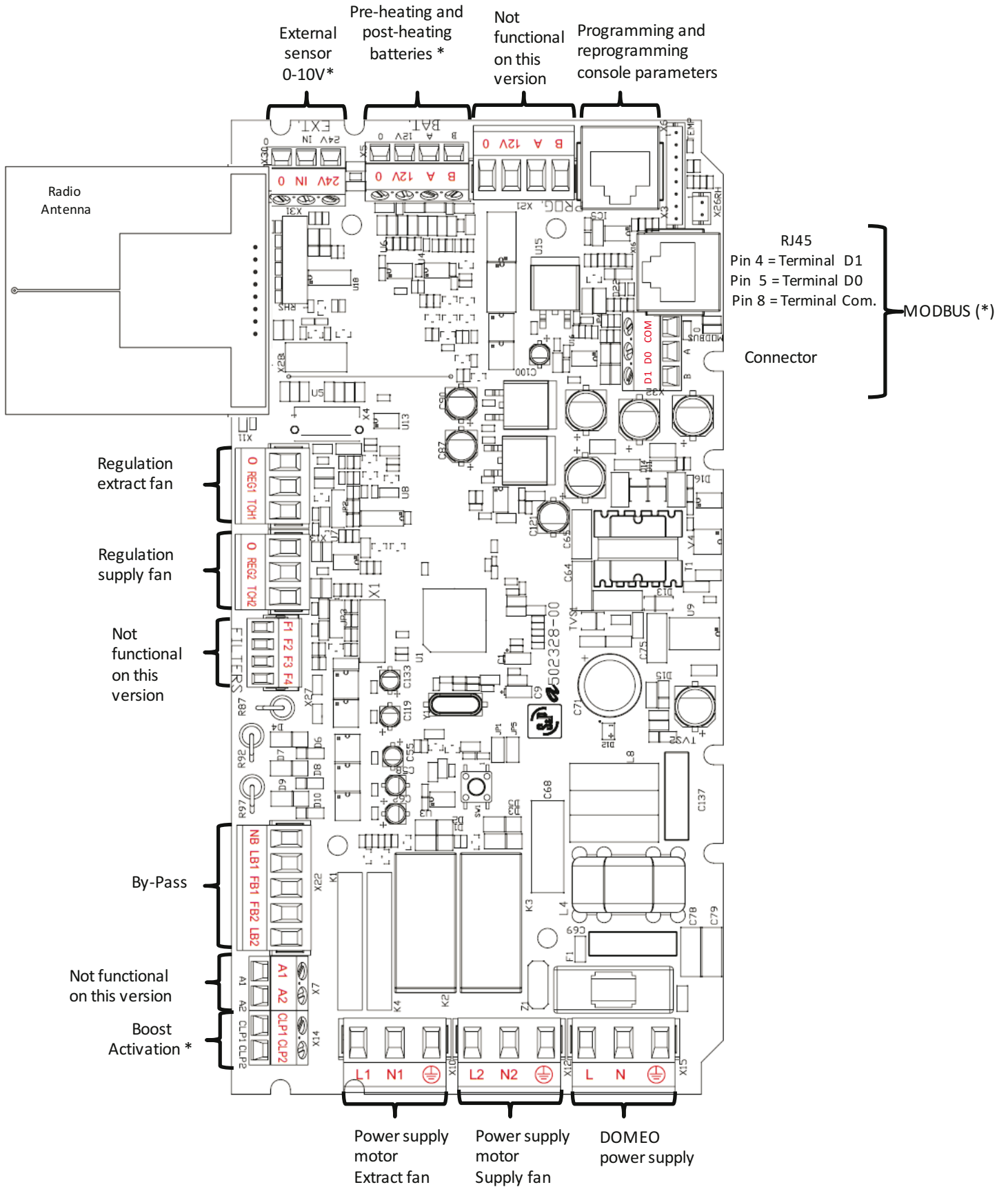


- **Installation of cable glands**



In areas where temperatures are regularly negative or can drop below -10°C, it is advisable to install a preheating battery.

- Characteristics of the electronic board



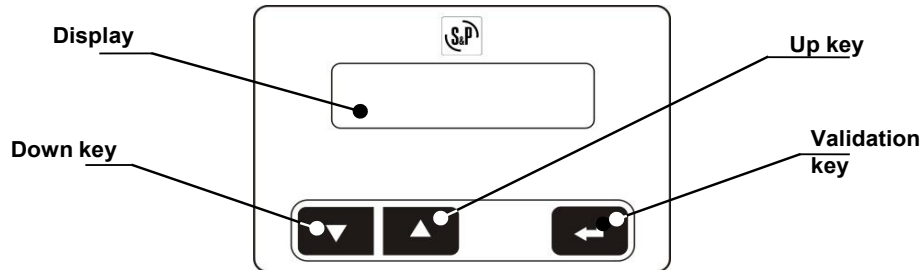
* Not provided

5 – MANAGING OF THE DOME0

5.1 – During the installation:

The programming console allows adjust the commissioning settings and see the different parameters of the installation.

For Domeo 210 RD SC model the console must be purchased as an accessory.



| MENU | OPTIONS | VALUES | FACTORY SETTING |
|------|----------|---|-----------------|
| | Language | English, Francais, Español, Deutsch, Italiano, Nederlands | English |

| SET UP INSTALLATION | OPTIONS | VALUES | FACTORY SETTING |
|---------------------|--|------------------------------|-----------------------|
| | synchronisation mode | Remote control 1, 2,3,4 | 1 |
| | Volt free contact | NO/NC | NO |
| | Preheating battery | Yes/No | No |
| | Post-heating battery | Yes/No | No |
| | Air Interior Quality sensor (AIQ)) | Yes/No | No |
| | Connection type | A / B | A |
| | Airflow units | m ³ /h / l/s | m ³ /h |
| | Unbalancing Airflow | -15%,...+15% | 0 |
| | Airflow setting: | | |
| | - Low Airflow | 60,...210 m ³ /h | 60 m ³ /h |
| | - High/Boost Airflow 30 minutes | 60,...210 m ³ /h | 120 m ³ /h |
| | - Free cooling 8H | 60,...210 m ³ /h | 210 m ³ /h |
| | AIQ sensor setting parameters | | |
| | Value QMini 0-10V | 60,...210 m ³ /h | 60 m ³ /h |
| | Value QMaxi 0-10V | 60,...210 m ³ /h | 120 m ³ /h |
| | Value VMini 0-10V | 0-10V | 0 |
| | Value VMaxi 0-10V | 0-10V | 10 |
| | Automatic Bypass | On/Off | ON |
| | T ^{ext} condition > Auto Bypass | 11,...20°C | + 12°C |
| | T ^{int} condition > Auto Bypass | 21,...30°C | + 24°C |
| | Manual Bypass timer | 1,...24 Hours | 8 H |
| | Defrost type | Intake air diminution / Stop | |
| | Preheating battery : | | |
| | - Temperature ON | -15,...5°C | 0°C |
| | - Temperature OFF | -5,...10°C | + 5°C |
| | - Constante temperature | +1,...10°C | + 4°C |
| | Post-heating battery: | | |
| | Constante comfort temperature | 12,...30°C | + 18°C |
| | Factory parameters reset | Yes/No | No |

| READING PARAMETERS | OPTIONS | VALUES | FACTORY SETTING |
|--------------------|-------------------|--|-----------------|
| | Couverture Radio | 0,25,50,75,100% | |
| | Current airflow | 60,...210 | |
| | Defrost mode | On, Off | |
| | Batteries | Préheating: On/Off - Post-heating: On, Off | |
| | Software version | V0.0 | |
| | Extract motor | Error, Ok | |
| | Supply motor | Error, Ok | |
| | Bypass | Error, Ok | |
| | Communication | Error, Ok | |
| | Sensors | Error, Ok T ^o Extract, Discharge, Fresh air, Supply | |
| | | T ^o Extract | |
| | | T ^o Discharge | |
| | | T ^o Fresh Air | |
| | | T ^o Supply | |
| | Installation test | Very good, Good, Acceptable, Bad | Off |

5.1.a - Adjust setting:

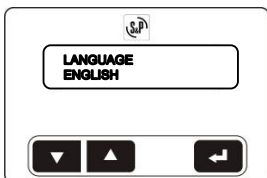
1. To connect the programming console, unscrew the both screws located on the lower part of the DOME0, remove the filters cover and then the front cover.



2. Connect the programming console with RJ45 plug located on the right of the electronic board.



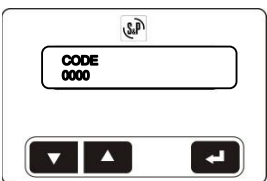
3. Setting of the installation parameters.



Choice of the language:

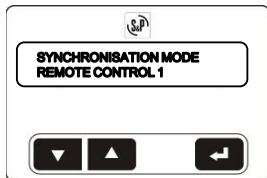
Enter with the key

Move with the keys and confirm the language with the key and move to the next step with the key .



Code : 33

Enter the code with the key and confirm with the key , then move to the next step with the key .

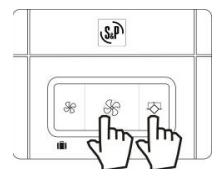


Synchronization:

The DOME0 could be piloted by a maximum of 4 remote controls. For only 1 remote control always use the n°1.

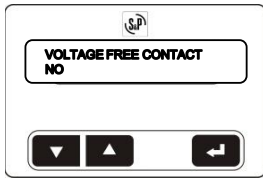
To bind each remote control follow the next:

On the remote control 1 push on the both keys as indicated in the attached image:



Then, in the control panel place on the screen "remote control 1" with the keys and push the key . The "remote control 1" will be deleted, it will start flashing ----- and will begin the bonding process. Then, the code of the remote control will appear when the remote control and the DOME0 are bound. For the other remote controls (2, 3 et 4) repeat the action by assigning a specific number with the keys.

Enter with the key and move to the different options with the keys .







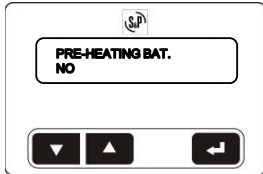
Volt free contact:

The electronic board is equipped with a volt free contact that allows increase to the boost airflow controlled by an external sensor (switch, CO2 sensor, PIR sensor, humidity sensor, ...). You can change the position of the contact:




NO = Normally Open

NC = Normally Closed

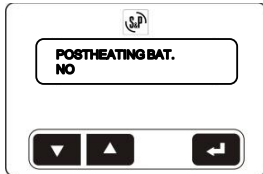
Enter with the key  and move to the different options with the keys  . Then confirm with the key .






Pre-heating battery:

In case of a connected pre-heating battery. Enter with the key , modify the option with the keys  .

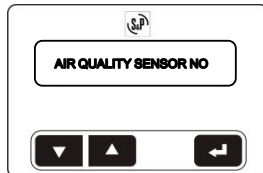
Then confirm with the key .






Post-heating battery:


In case of a connected post-heating battery. Enter with the key , modify the option with the keys  .

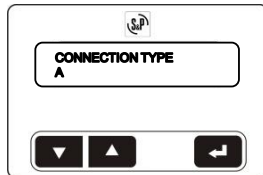
Then confirm with the key .



Air quality sensor (0-10V):




In case of a connected sensor (CO2, VOC, RH, ...). Enter with the key , modify the option with the keys  .


Then confirm with the key .

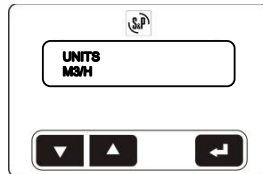


Connection Type:

Adjust A or B depending on the connection Type





Enter with the key , modify the option with the keys  .

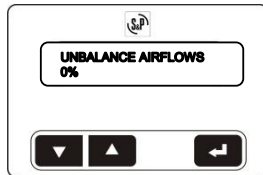
Then confirm with the key .



Units:

You can choose the airflow unit in m³/hour or litres/second.

Enter with the key  and choose the unit with the keys  , then confirm with the key .



Unbalance of the airflow:

This setting could be necessary in case of:

1 – Case of an open chimney:

In this case, it's necessary to make an airflow apotation equivalent at the stack effect airflow.

In this case there are two possibilities:





- a. Make a specific air inlet. In this case ensure that it's sealable.
- b. Add an additional intake airflow using the DOME0 corresponding at the stack effect airflow.

Follow these recommendations:

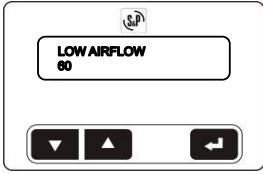
- . Watch that all doors, windows, ... are securely closed,
- . Light the chimney fire,
- . Adjust the unbalance airflow up to reach the good chimney performance

2. Case of unbalance between the intake and extract airflows:

It could be possible when one of the both ductworks is advantaged or disadvantaged.

Enter with the key  and modify the unbalance value with the keys  , then confirm with the key .

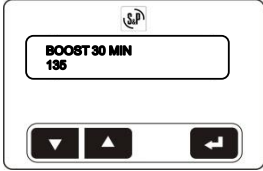
This setting is done by the intake airflow compared to the extract airflow.



Low airflow:

Setting of the low airflow/low speed.

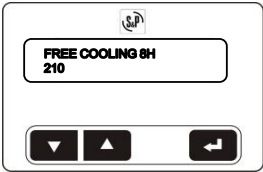
Enter with the key choose the airflow value with the keys , then confirm with the key .



Boost/High airflow:

Setting of the high/boost ½ hour temporized airflow.

Enter with the key choose the airflow value with the keys , then confirm with the key .



Free cooling airflow:

Having avoided the heat exchanger, the 100% by-pass system of the IDEO allows the introduction of cooler fresh air in the night without it being warmed by the warm air accumulated in the house during the day.

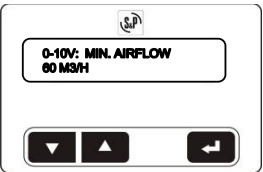
This system works automatically with this conditions:

- T° inner $> 1 + T^{\circ}$ outer and T° inner $> 24^{\circ}\text{C}$ and T° outer $> 12^{\circ}\text{C}$,

The specific airflow can be adjusted to optimize the cooling night time or free cooling (see paragraph 5-1-a)

If you want, you can manually switch on the by-pass mode for a period of 8 hours, by pressing the by-pass button. During this operation it is possible to cancel this function by pressing the by-pass key once more.

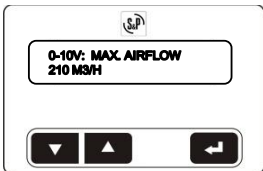
Enter with the key choose the airflow value with the keys , then confirm with the key .



Low airflow air quality sensor*:

Setting of the minimum airflow.

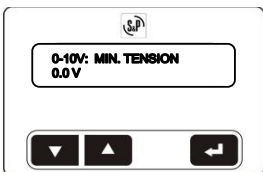
Enter with the key choose the airflow value with the keys , then confirm with the key .



High airflow air quality sensor*:

Setting of the maximum airflow.

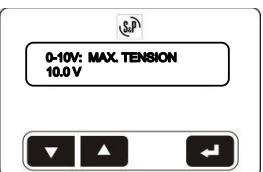
Enter with the key choose the airflow value with the keys , then confirm with the key .



Minimum voltage of the air quality sensor*:

Setting of the minimum voltage.

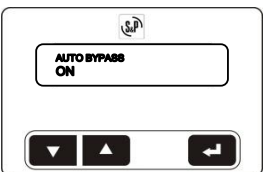
Enter with the key choose the voltage value with the keys , then confirm with the key .



Maximum voltage of the air quality sensor*:

Setting of the maximum voltage.

Enter with the key choose the voltage value with the , then confirm with the key .

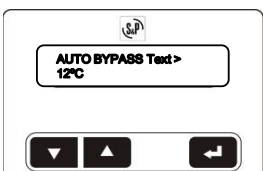


Automatic By-pass:

You can activate or deactivate the automatic function for the by-pass.

Enter with the key , choose activate (ON) or deactivate (OFF) with the keys , then confirm with the key .

If it is deactivated, you can always switch on the bypass with the remote control.



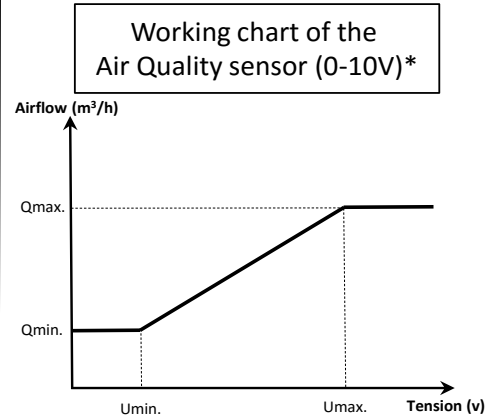
Text Automatic By-pass:

You can modify the outdoor bypass activation temperature.

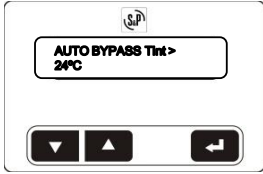
Factory setting: $+12^{\circ}\text{C}$

Setting range: $+11 - +20^{\circ}\text{C}$

Enter with the key , modify the temperature with the keys , then confirm with the key .



*: Humidity, CO₂, VOC sensor.







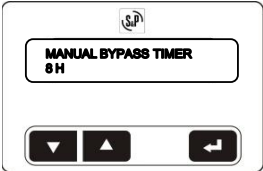
Tint automatic bypass:

You can modify the internal bypass activation temperature.

Factory setting: +24°C

Setting range: +21 – +30°C

Enter with the key , modify the temperature value with the keys  , then confirm with the key .







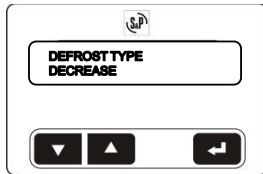
Manual bypass delay:

You can modify the bypass delay when is manually activated.

Factory setting: 8H

Setting range : 1 – 24H

Enter with the key , modify the delay with the keys  , then confirm with the key .







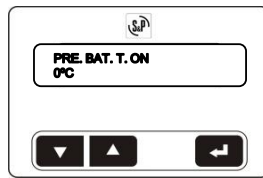
Type of defrost:

You can choose two types of defrost control:

1 – By reduction of the intake airflow (very tight home or temperate climate)

2 – By shutdown of the intake airflow (not very tight home or cold climate)

Enter with the key  and choose the type of defrost with the keys   then confirm with the key .







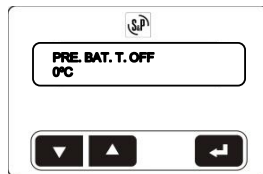
Start-up of the preheating temperature:

Allows adjust the start-up temperature of the preheating temperature.

Factory setting: 0°C

Setting range: -15°C – +5°C

Enter with the key  and choose the temperature with the keys   then confirm with the key .







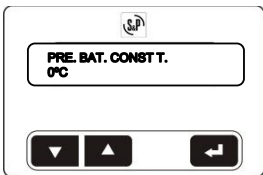
Shutdown of the preheating temperature:

Allows adjust the shutdown temperature of the preheating temperature.

Factory setting: +5°C

Setting range: -5°C – +10°C

Enter with the key  and choose the temperature with the keys  , then confirm with the key .







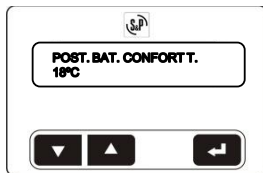
Constant temperature of the preheating battery:

Allows adjust the constant temperature downstream the preheating battery.

Factory setting: +4°C

Setting range: +1°C – +10°C

Enter with the key  and choose the temperature with the keys  , then confirm with the key .







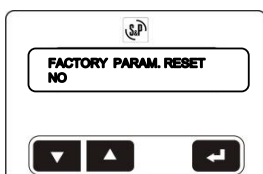
Constant temperature of the post-heating battery:

Allows adjust the constant temperature downstream the post-heating battery.

Factory setting: +18°C





Setting range: +12°C – +30°C

Enter with the key  and choose the temperature with the keys   then confirm with the key .



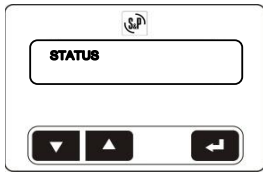
Factory parameters reset:

Allows to reset the DOME0.

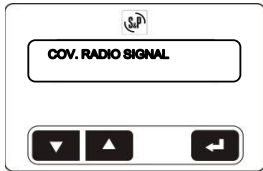
Enter with the key  and choose YES or NO with the keys  , then confirm with the key .



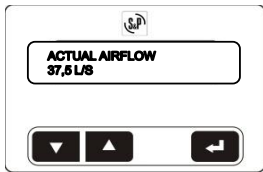
4. View of the operating states.



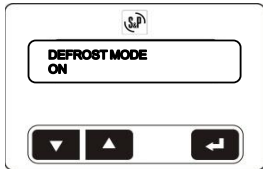
View of the operating states:
Allows viewing the operating DOMEEO states.
Enter with the keys .
To move, use the keys .



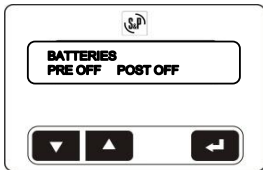
Coverage radio signal:
Allows viewing the radio range of all remote controls appeared with DOMEEO.
Push on one key of the remote controls.
1 – 000% 2 – 000%
3 – 000% 4 – 000%
Value > 50 % : Good coverage
Value < 50% : Possible communication troubles



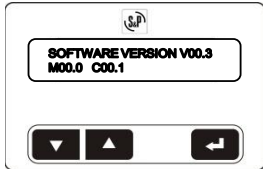
Current airflow:
Allows viewing the working airflow.



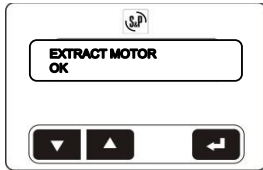
Defrost:
Allows viewing if the Domeo is in defrost mode.
ON = Defrost in operation
OFF = Defrost stopped



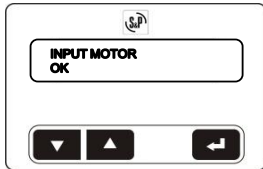
Battery status:
Allows viewing if the preheating (PRE) and post-heating (POST) batteries are running.
PRE OFF = Stopped PRE ON = Working
POST OFF = Stopped POST ON = Working



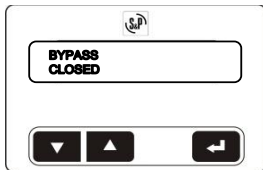
Software version :
Allows viewing the installed software version.



Extract fan motor:
Allows viewing operating extract fan motor state.
OK : Working
ERROR : Dysfunction



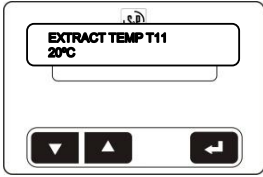
Intake fan motor:
Allows viewing operating intake fan motor state.
OK : Working
ERROR : Dysfunction



Bypass:
Allows viewing the operating bypass state.
CLOSED : On hold
OPEN : Working

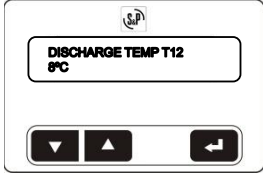


Temperature sensors:
Allows viewing the operating temperature sensors state (OK or ERROR).
T11 : Extract sensor
T12 : Discharge sensor
T21 : Fresh air sensor
T22 : Supply air sensor



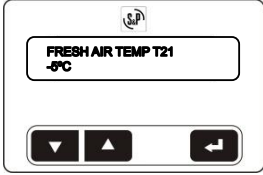
Extract temperature sensor:

Allows viewing the temperature on the extract ductwork upstream of the core.
Temperature range: -30°C – +50°C



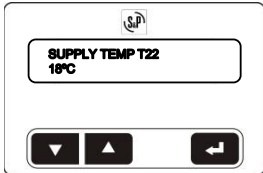
Discharge temperature sensor:

Allows viewing the temperature on the discharge ductwork downstream of the core .
Temperature range: -30°C – +50°C



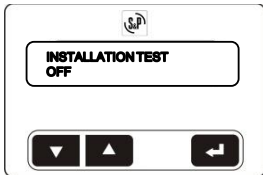
Fresh Air temperature sensor:

Allows viewing the temperature on the fresh air ductwork downstream of the core .
Temperature range: -30°C – +50°C






Supply air temperature sensor:

Allows viewing the temperature on the supply air ductwork downstream of the core .
Temperature range: -30°C – +50°C



Installation test :

Allows testing the pressure loss of the installation.

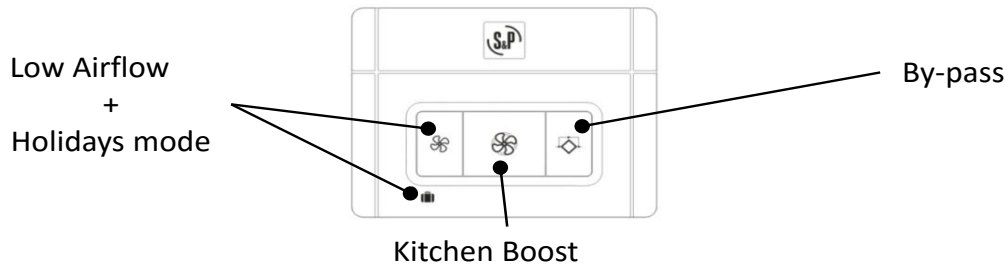
Enter with the key  and modify the value « OFF » to « ON » with the key , then confirm with the key , « TESTING » appears and after few seconds the installation level appears :

- Very good
- Good
- Acceptable
- Bad

5.2 - During use

The remote control allows the user to:

- Activate the boost for ½ hour.
- Return manually to the minimum airflow
- Put DOMEQ in holidays mode
- Manually switch on the by-pass mode
- Reset filters alarm



The remote control put on the “energy saving” mode after 10 seconds, switching off all LEDs. Pushing on one of the keys the function LED activated lights.



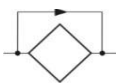
Minimum airflow (Trickle): (Flashing green LED)

When the DOMEQ is in Boost mode, it is possible, by pressing the left button, to return to the minimum airflow before ½ hour has elapsed



Boost: (Flashing green LED)

A button that enables the boost airflow for 30 minutes to be selected in ½-hour steps.



By-pass: (Flashing green LED)

On having avoided the heat exchanger, the 100% by-pass system of the DOMEQ allows the introduction of fresh air in the night without being warmed by the warm air accumulated in the house during the day.

This system works automatically with this conditions:

- $T^{\circ} \text{ inner} > 1 + T^{\circ} \text{ outer}$ and $T^{\circ} \text{ inner} > 24^{\circ}\text{C}$ and $T^{\circ} \text{ outer} > 12^{\circ}\text{C}$,

The specific airflow can be adjusted to optimize the cooling night time or free cooling (see paragraph 5.1.a 3)

If you want, you can manually switch to by-pass mode by pressing the by-pass button. During this operation it is possible to cancel this function by pressing the by-pass key once more.



Holidays mode: (Flashing red LED)

Press the left key for 3 seconds to activate Holidays mode (50% of minimum airflow). It is possible to return to normal mode by pressing the same key once more.



Filters alarm: (red LED):

DOMEQ alerts when the filter timer has arrived to the limit lighting a red LED on the right hand key. The factory setting is 9 months after commissioning or changing the filters. You must change the filters.

If the 9 month interval is not ideal for the configuration or use of your installation (filters too dirty or clean) it is possible to adjust this setting from 6 to 15 months (in 3 monthly steps – see paragraph 5-1-b)

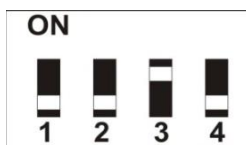
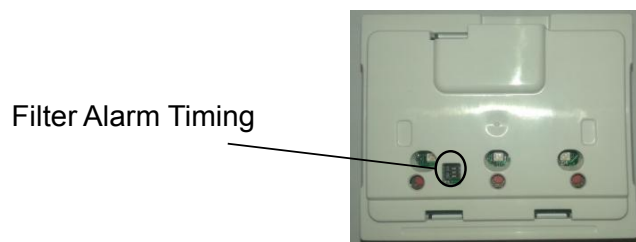
Once changes have been made push the button 3 seconds to deactivate the alarm and reset the timer.

Filter timer settings:

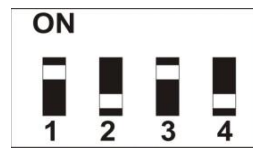
It is possible to set the timing to 6, 9, 12 or 15 months (9 months factory setting). Fouling is linked to the external environment (pollution, pollen,..) and the use of housing (dust, cooking fats..). It is advisable to modify this parameter after the second alarm. Of course, after the installation, the extract air is dusty and not representative of a normal conditions. During the second filter check, if you notice that the filters are clean you can increase the time (12 or 15 months). However, if you notice that the filters are very dirty, you should decrease the time (6 months).

To modify the filter alarm timing:

1. - Open the remote control box.
2. - Set the micro contacts 1 and 2 by the number of months to suit your installation.



6 months



9 months
(Factory settings)



12 months



15 months

6 – SWITCHING ON THE DOMEO

To start your DOMEO unit use the following process:

1. Verify that all system components are correctly installed and connected:
 - Fresh air intake duct insulated and connected correctly (Do not use a fresh air intake equipped with insect screen)
 - Fresh air and exhaust ducts insulated and connected correctly
 - Fresh air and exhaust vents connected
 - Flow regulators mounted in the right direction (if installed)
 - Air outlet using insulated duct and connected to the outside (Using a roof cowl or outlet without an insect screen)
 - Insulated flexible ducts taut and large radius bends (if installed)



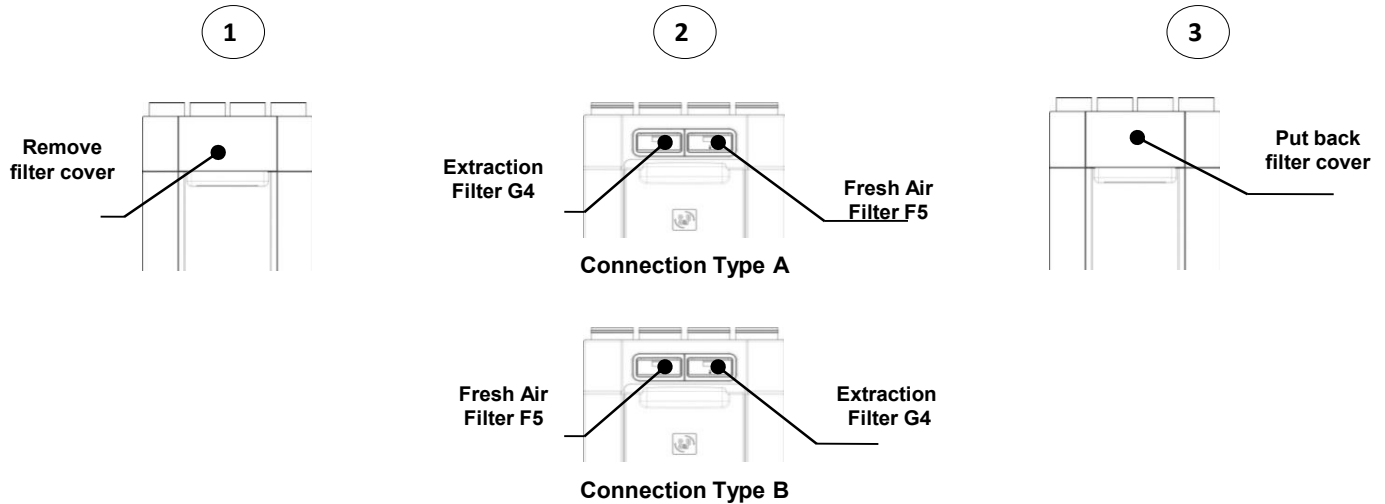
- Check that the unused spigots on plenums are sealed (if installed)
- Condensation drain well connected (siphon)
- Check that all connections are sealed (on the DOMEO, on plenums and valves)
- Check the setting of the power circuit breaker

2. Turn on the DOMEO
3. Adjust the parameters as shown in paragraph 5.1 a.

7 – MAINTENANCE

Looking for a durable ventilation system, it is mandatory to carry out the maintenance correctly.

- Filter change according with the filter alarm settings



4

Reset Alarm Filter (see paragraph 5.2)

- Every 5 years: Remove the dust from the core with a vacuum cleaner.



- Every 6 months:
Clean the bathroom and kitchen exhaust vents with warm water and soap.
Remove dust from the air output vents in the main rooms.

8 — PUTTING OUT OF SERVICE AND RECYCLING



EEC legislation and our consideration of future generations mean that we should always recycle materials where possible; please do not forget to deposit all packaging in the appropriate recycling bins. If your device is also labeled with this symbol, please take it to the nearest Waste Management Plant at the end of its servicable life.



S&P SISTEMAS DE VENTILACIÓN, S.L.U.

C. Llevant, 4
Polígono Industrial Llevant
08150 Parets del Vallès
Barcelona - España

Tel. +34 93 571 93 00
www.solerpalau.com



Ref. 9023058700-03