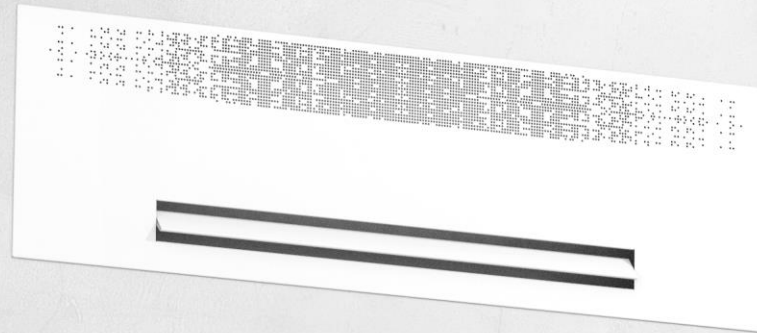


# FILOMURO BUILT IN



The fully concealed  
high wall fancoil

# FILOMURO BUILT IN



## FULLY ALIGNED WITH THE WALL

Aesthetic cover panel flush with the wall.



**MODULATED AIR FLOW**



## DC INVERTER

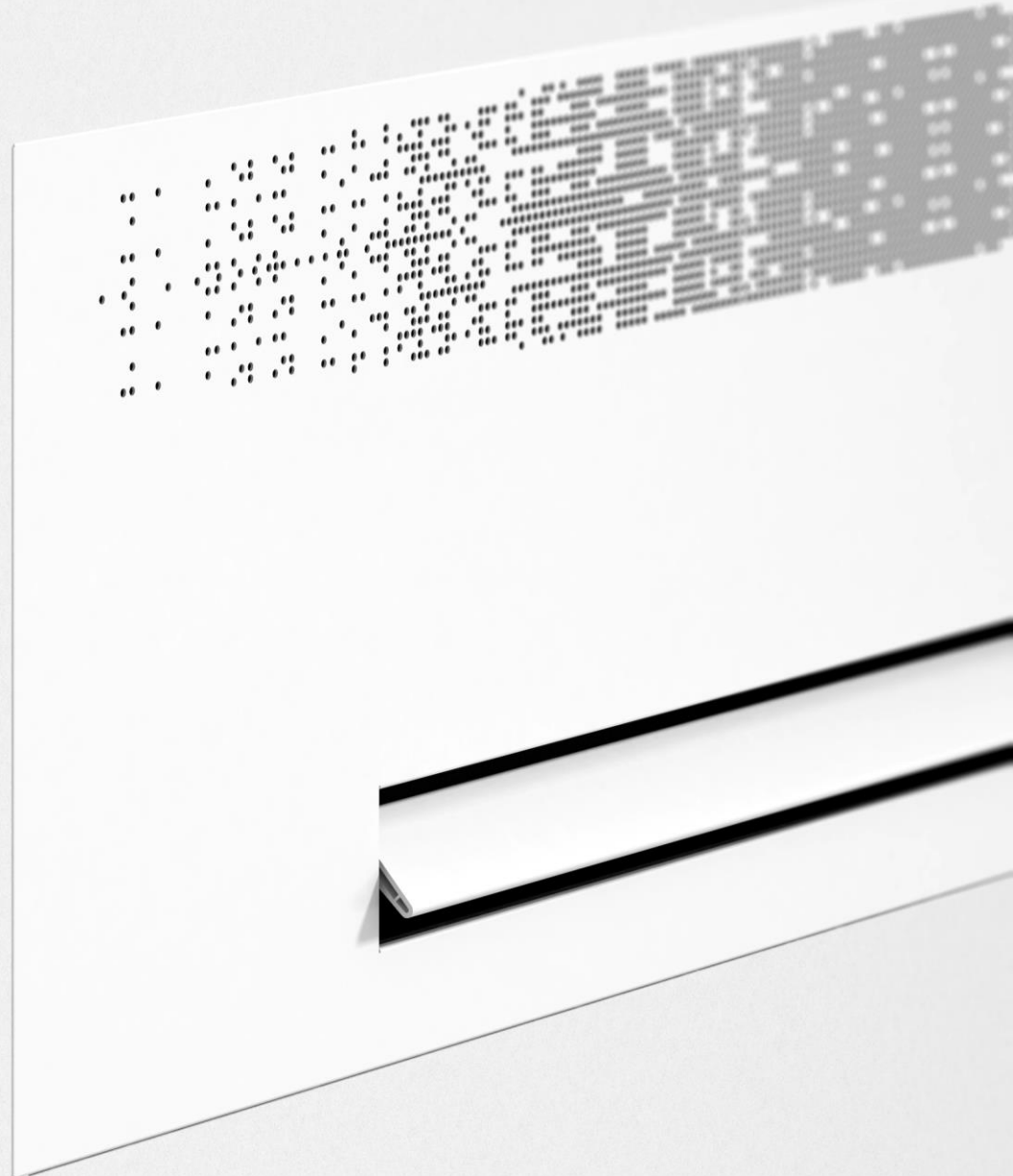
Maximum comfort with lower consumption.



**QUIET OPERATION**

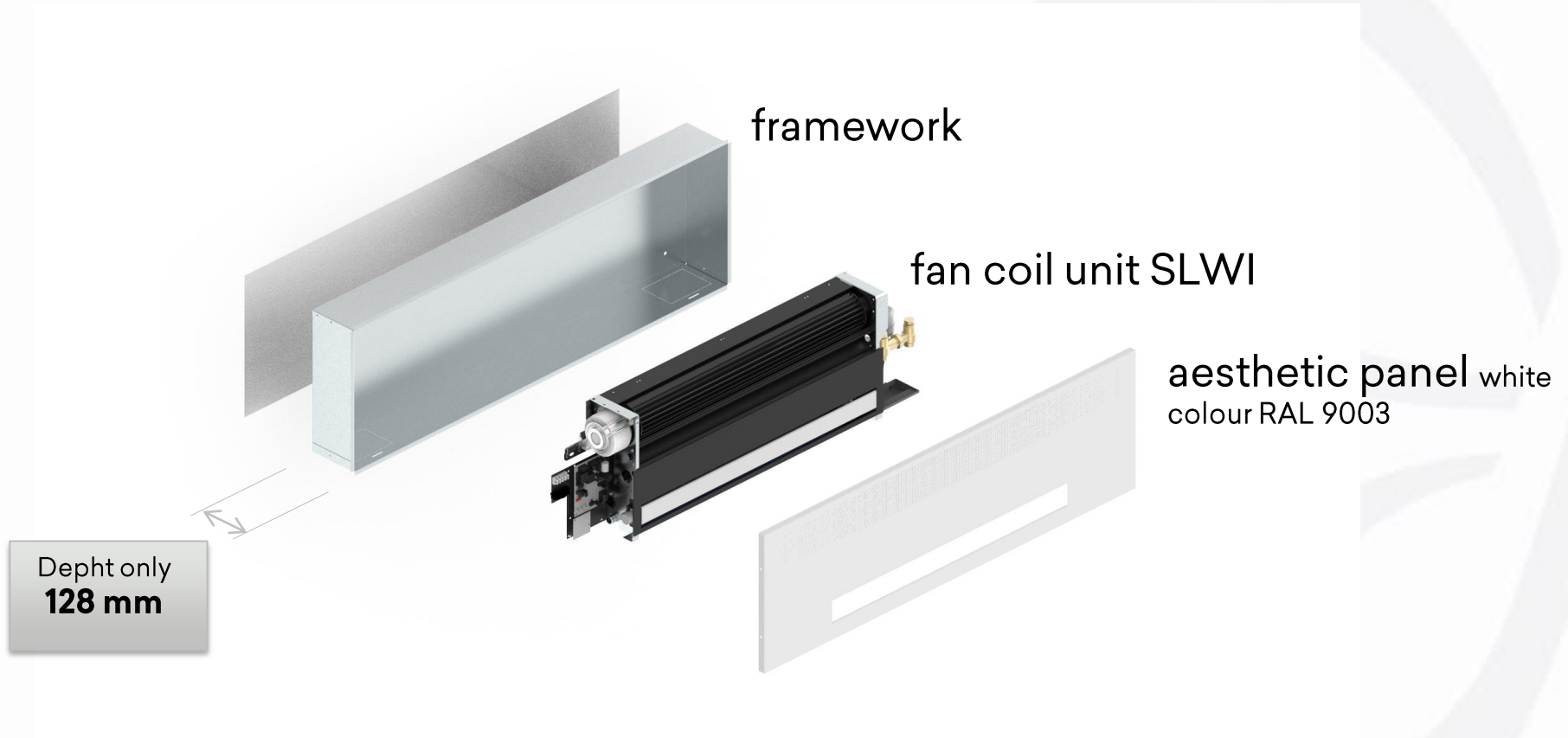
# FILOMURO BUILT IN

FULLY ALIGNED WITH THE  
WALL INSTALLATION



# FILOMURO BUILT IN

ALL ACCESSORIES FOR A BESPOKE INSTALLATION



## ACCESSIBILITY FOR FILTER MAINTENANCE



Opening and closing  
with magnetized  
push-pull system

Easy removal of the  
entire panel for easy  
maintenance

## OPTIMIZED COMFORT AND SILENCE

- Constantly modulates the air flow rate thanks to the DC Inverter motor.
- The motor and its control allow a precise regulation of the ambient temperature without oscillations and with very low absorption.

A close-up, angled view of a black circular air vent with multiple slats, showing the depth and texture of the plastic.

26 dB(A) @ min. speed

# FILOMURO BUILT IN



SIMPLE AND ADVANCED COMMANDS WIFI OR ModBUS

It also allows the management of the radiant heating system  
and fan coil in cooling.

# FILOMURO BUILT IN

3 sizes:



SLWI 400

1,21 kW  
1,51 kW



SLWI 600

1,62 kW  
2,03 kW



SLWI 800

2,12 kW  
2,62 kW



**COOLING A27 / W7**

Room air temperature 27°C, water in 7°C / out 12°C



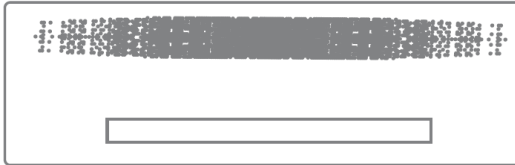
**HEATING A20 / W45**

Room air temperature 20°C, water in 45° / out 40°C

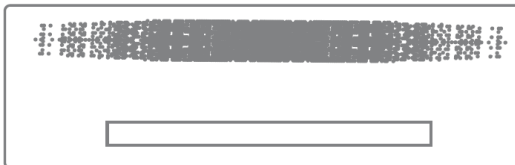


# FILOMURO BUILT IN

3 different MODELS:



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel



On board electronic control for connection with standard **4 fixed speed** wall thermostats



On board electronic control with **0-10V fan speed** signal input.

# FILOMURO BUILT IN

MODEL with on board electronic control with PID full modulating fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel



Thermostat-unit  
connection with  
4-wire cable



EDB649II white color



EDA649II black color



EWW649II white colour



EWG649II black color

<b>FAWI04D01II-OP00</b>	SLWI 400	Cooling capacity: 1,21 kW Heating capacity: 1,15 kW ¼ Eurokonus connections, Right side
<b>FAWI06D01II-OP00</b>	SLWI 600	Cooling capacity: 1,62 kW Heating capacity: 2,03 kW ¼ Eurokonus connections, Right side
<b>FAWI08D01II-OP00</b>	SLWI 800	Cooling capacity: 2,12 kW Heating capacity: 2,62 kW ¼ Eurokonus connections, Right side

SMART Touch thermostat  
**With ModBUS serial port**

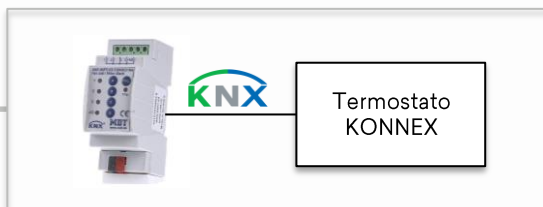
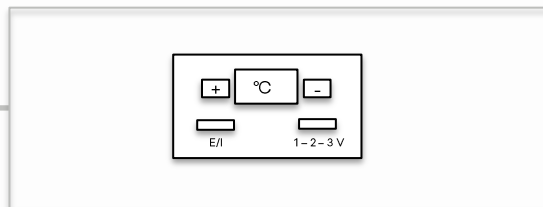
SMART Touch thermostat  
**With integrated WIFI**

# FILOMURO BUILT IN

MODEL with on board electronic control for connection with standard 4 fixed speed wall thermostats



Thermostat-unit connection  
with 4 or 5-pole cable  
Neutral + 1 + 2 + 3 (+4) speed



<b>FAWI04D01II-OT00</b>	SLWI 400	Cooling capacity: 1,21 kW Heating capacity: 1,15 kW ¾ Eurokonus connections, Right side
<b>FAWI06D01II-OT00</b>	SLWI 600	Cooling capacity: 1,62 kW Heating capacity: 2,03 kW ¾ Eurokonus connections, Right side
<b>FAWI08D01II-OT00</b>	SLWI 800	Cooling capacity: 2,12 kW Heating capacity: 2,62 kW ¾ Eurokonus connections, Right side

Thermostat, summer / winter selector and 3 speeds

3 or 4 speed thermostat  
(not provided by INNOVA)

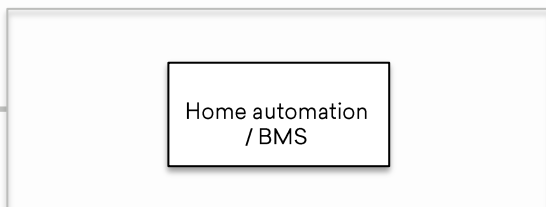
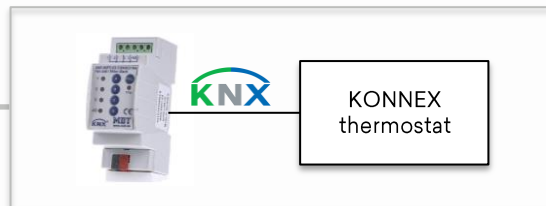
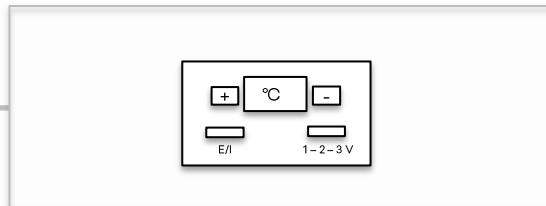
KONNEX 3 or 4 speed thermostat and actuator  
(not supplied by INNOVA)

# FILOMURO BUILT IN

MODEL with on board electronic control with **0-10V fan speed** signal input.



Thermostat-unit connection  
with 2-pole cable  
0-10 V



<b>FAWI04D01II-0V00</b>	SLWI 400	Cooling capacity: 1,21 kW Heating capacity: 1,15 kW ¼ Eurokonus connections, Right side
<b>FAWI06D01II-0V00</b>	SLWI 600	Cooling capacity: 1,62 kW Heating capacity: 2,03 kW ¼ Eurokonus connections, Right side
<b>FAWI08D01II-0V00</b>	SLWI 800	Cooling capacity: 2,12 kW Heating capacity: 2,62 kW ¼ Eurokonus connections, Right side

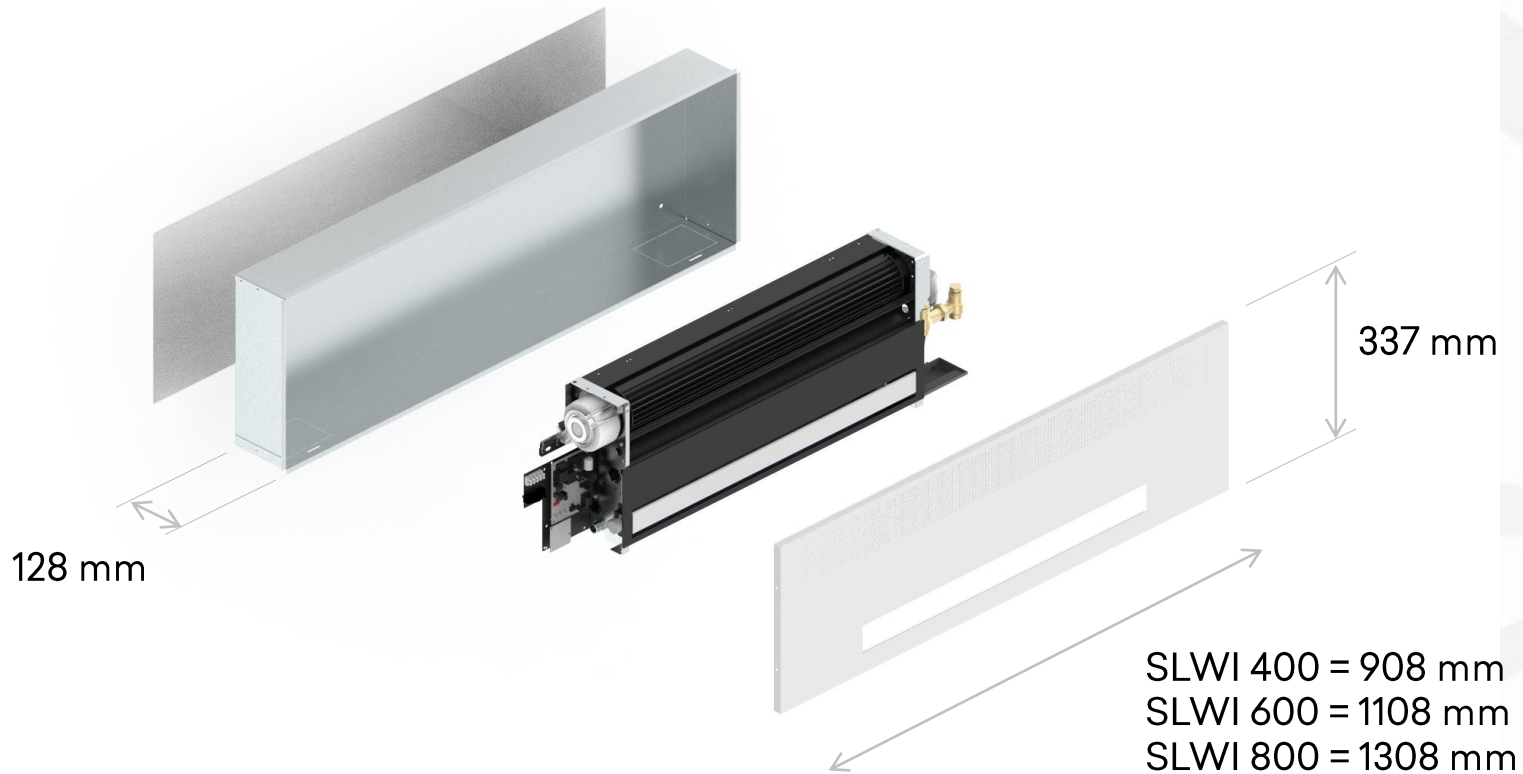
Thermostat with 0-10V output for fan speed  
(not provided by INNOVA)

KONNEX 0-10V thermostat and actuator  
(not supplied by INNOVA)

Home automation control or BMS (building management system) with 0-10 V signal for fan speed  
(not provided by INNOVA)

# FILOMURO BUILT IN

## DIMENSIONS:



SLWI 400 **1,21 kW**  
**1,51 kW**

SLWI 600 **1,62 kW**  
**2,03 kW**

SLWI 800 **2,12 kW**  
**2,62 kW**

# FILOMURO BUILT IN

## WATER CONNECTIONS:

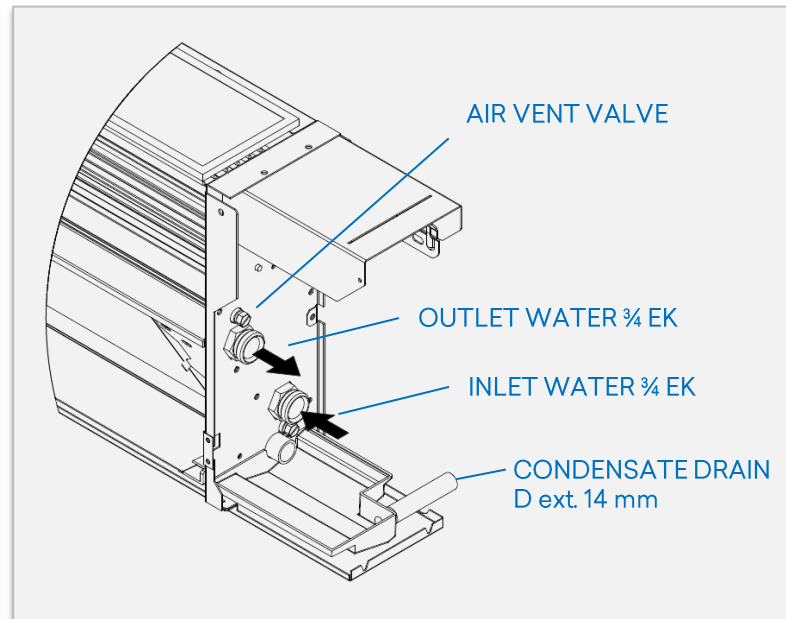
LEFT  
side  
connections



RIGHT  
side  
connections

on  
REQUEST

STANDARD



! It is not possible  
to change the  
water  
connections side  
on site

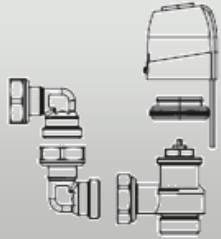
# FILOMURO BUILT IN

## WATER AND ELECTRICAL CONNECTIONS :



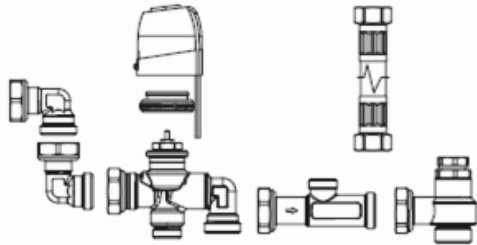
Large spaces for electrical and hydraulic connections, condensate drain and 2-way or 3-way valve.

## HYDRAULIC KIT (supplied separately or already mounted in the unit)



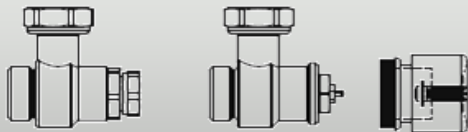
2 way valve group (water inlet valve, shut off valve and electro thermal motor)

TO BE USED IN SYSTEMS WITH VARIABLE FLOW PUMP



3 way valve group (with inlet 3 way valve, shut off valve, and electro thermal motor)

TO BE USED IN SYSTEMS WITH COSTANT FLOW PUMP



2 way valve group with manual closure

TO BE USED WHEN THE 2 OR 3 WAY VALVE IS PRESENT IN THE DISTRIBUTION MANIFOLD

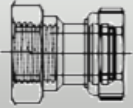
The 2-way or 3-way motorized valve is mandatory for the correct operation of the unit.

The motorized valve can be omitted, inside the unit, if there is a motorized valve in the distribution manifold of the system and connected to the control of the unit.

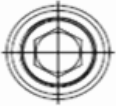
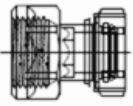


# FILOMURO BUILT IN

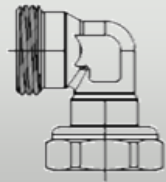
## HYDRAULIC KIT (supplied separately):



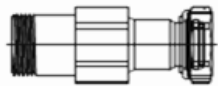
Couple of EUROKONUS adapters for 1/2"  
female connection (male fittings)



Couple of EUROKONUS adapters for 3/4"  
female connection (male fittings)



90° bended EUROKONUS connector



Distancer kit (1 piece)



Adaptors for flat ring

## PERFORMANCES:

TECHNICAL DATA		Filomuro ad incasso - SLWI		
Sizes	u.m.	400	600	800
<b>ELECTRICAL DATA</b>				
power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50
Power input at the maximum fan speed	W	19	20	29
Current absorbed at the maximum allowed conditions	A	0,16	0,18	0,26
Electrical power absorption at minimum speed	W	4	4	4
<b>SOUND DATA</b>				
Sound power level at maximum air flow	dB(A)	53	54	55
Sound pressure level at maximum air flow (4)	dB(A)	40	41	42
Sound pressure level at medium air flow (4)	dB(A)	33	34	34
Sound pressure level at minimum air flow (4)	dB(A)	25	25	26
<b>DIMENSIONS</b>				
Width (with aesthetic panel)	mm	908	1108	1308
Height (with aesthetic panel)	mm	337	337	337
Depth (with formwork)	mm	128	128	128
Weight	kg	14	16	19
Air flow at the maximum fan speed (3)	m <sup>3</sup> /h	228	331	440
Air flow at the medium fan speed	m <sup>3</sup> /h	155	229	283
Air flow at the minimum fan speed	m <sup>3</sup> /h	84	124	138
Static pressure available	Pa	10	10	10

# FILOMURO BUILT IN

## PERFORMANCES:

TECHNICAL DATA		FILOMURO BUILT IN - SLWI		
Sizes	u.m.	400	600	800
<b>ELECTRICAL DATA</b>				
power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50
Power input at the maximum fan speed	W	19	20	29
Current absorbed at the maximum allowed conditions	A	0,16	0,18	0,26
Electrical power absorption at minimum speed	W	4	4	4
<b>SOUND DATA</b>				
Sound power level at maximum air flow	dB(A)	53	54	55
Sound pressure level at maximum air flow (4)	dB(A)	40	41	42
Sound pressure level at medium air flow (4)	dB(A)	33	34	34
Sound pressure level at minimum air flow (4)	dB(A)	25	25	26
<b>DIMENSIONS</b>				
Width (with aesthetic panel)	mm	908	1108	1308
Height (with aesthetic panel)	mm	337	337	337
Depth (with formwork)	mm	128	128	128
Weight	kg	14	16	19

# FILOMURO BUILT IN

## CODES:

Commercial name: FILOMURO INCASSO

Technical name: SLWI +size 400-600-800

Formwork and aesthetic panel supplied separately with dedicated codes

Product code configured with factory-fitted options:

## FAWI04D01II-0P00

### PRODUCT CODE

**FAWI** – Filomuro incasso

### SIZE

**04** – Size 400

**06** – Size 600

**08** – Size 800

### LATO ATTACCHI

**D** – Right water connections

**S** – Left water connections

### COLOR

**0** – No color

### POWER SUPPLY

**1** – 230/1/50

### CUSTOMIZATION

**II** – Innova

### HYDRAULIC KITS

**0M** – 2 way motorized on/off valve group

**0N** – 3 way motorized on/off valve group

**0H** – 2 way manual on/off valve group

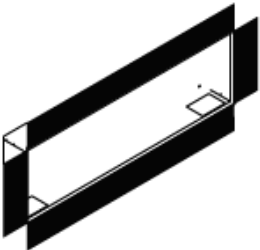
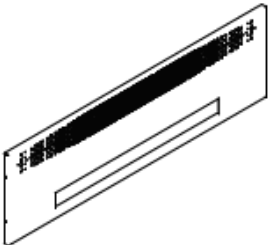
### ELECTRONIC BOARD

**0P** – on board electronic control **with PID full modulating** fan connected to EDA649-EDB649- EWG649-EWW649 wall mounted panel

**0T** – on board electronic control for connection with standard **4 fixed speed** wall thermostats

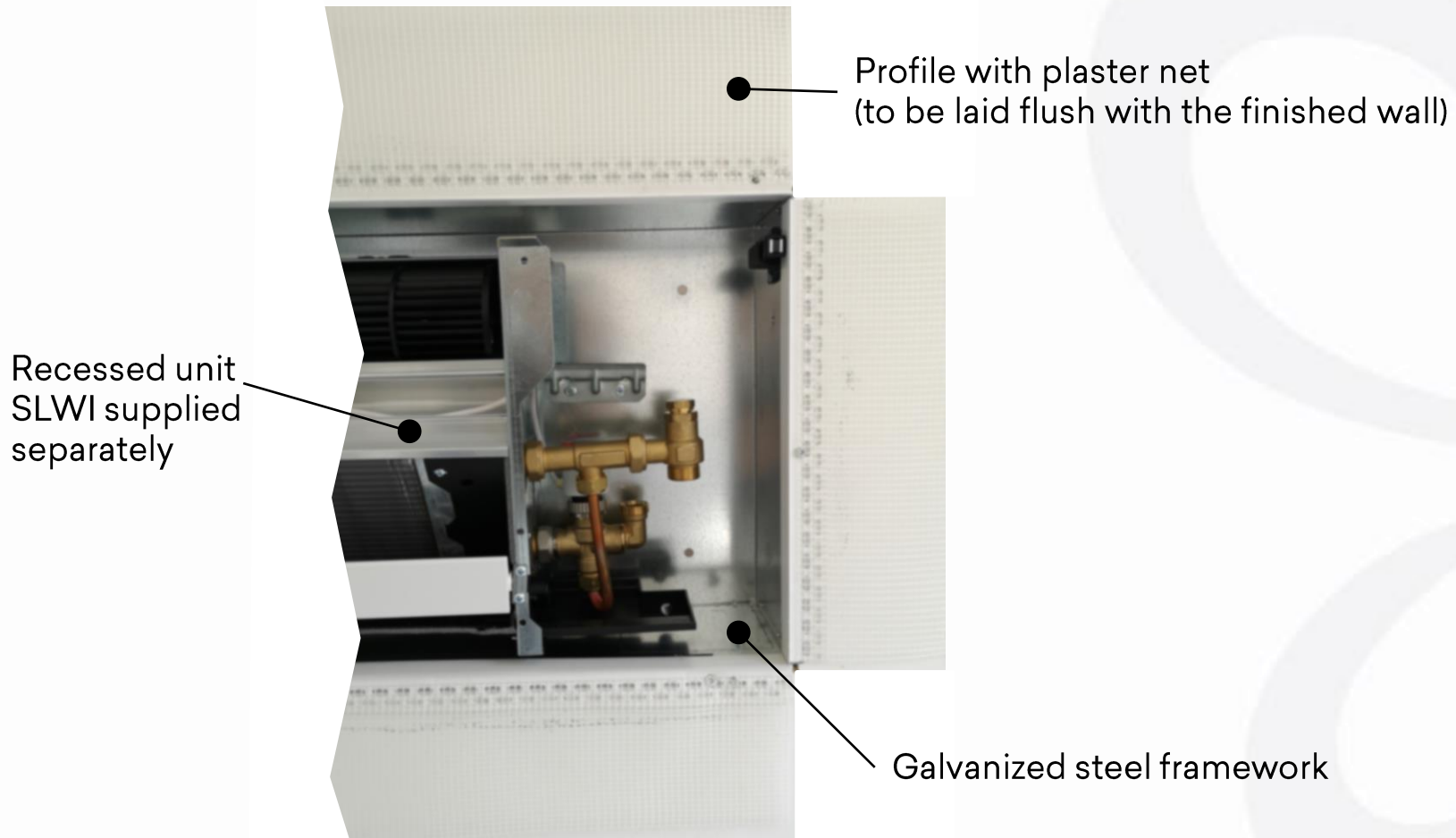
**0V** – on board electronic control with **0-10V fan speed** signal input

## ACCESSORIES SUPPLIED SEPARATELY:

	ACCESSORY DESCRIPTION	MATCHING PRODUCTS	CODE
<b>ACCESSORIES SUPPLIED SEPARATELY</b>			
<b>PRE-INSTALLATION ACCESSORIES</b>			
<b>FRAMEWORK</b>			
	Framework for fully aligned with the wall installation, dimensions (wxhxd): 934x365x125 mm	SLWI 400	L01045II
	Framework for fully aligned with the wall installation, dimensions (wxhxd): 1134x365x125 mm	SLWI 600	L01046II
	Framework for fully aligned with the wall installation, dimensions (wxhxd): 1334x365x125 mm	SLWI 800	L01047II
<b>AESTHETIC PANEL</b>			
	Fully aligned with the wall aesthetic panel, dimensions (wxhxd): 912x342x30 mm	SLWI 400	LC1092II
	Fully aligned with the wall aesthetic panel, dimensions (wxhxd): 1112x342x30 mm	SLWI 600	LC1093II
	Fully aligned with the wall aesthetic panel, dimensions (wxhxd): 1312x342x30 mm	SLWI 800	LC1094II

# FILOMURO BUILT IN

## FRAMEWORK DETAILS:



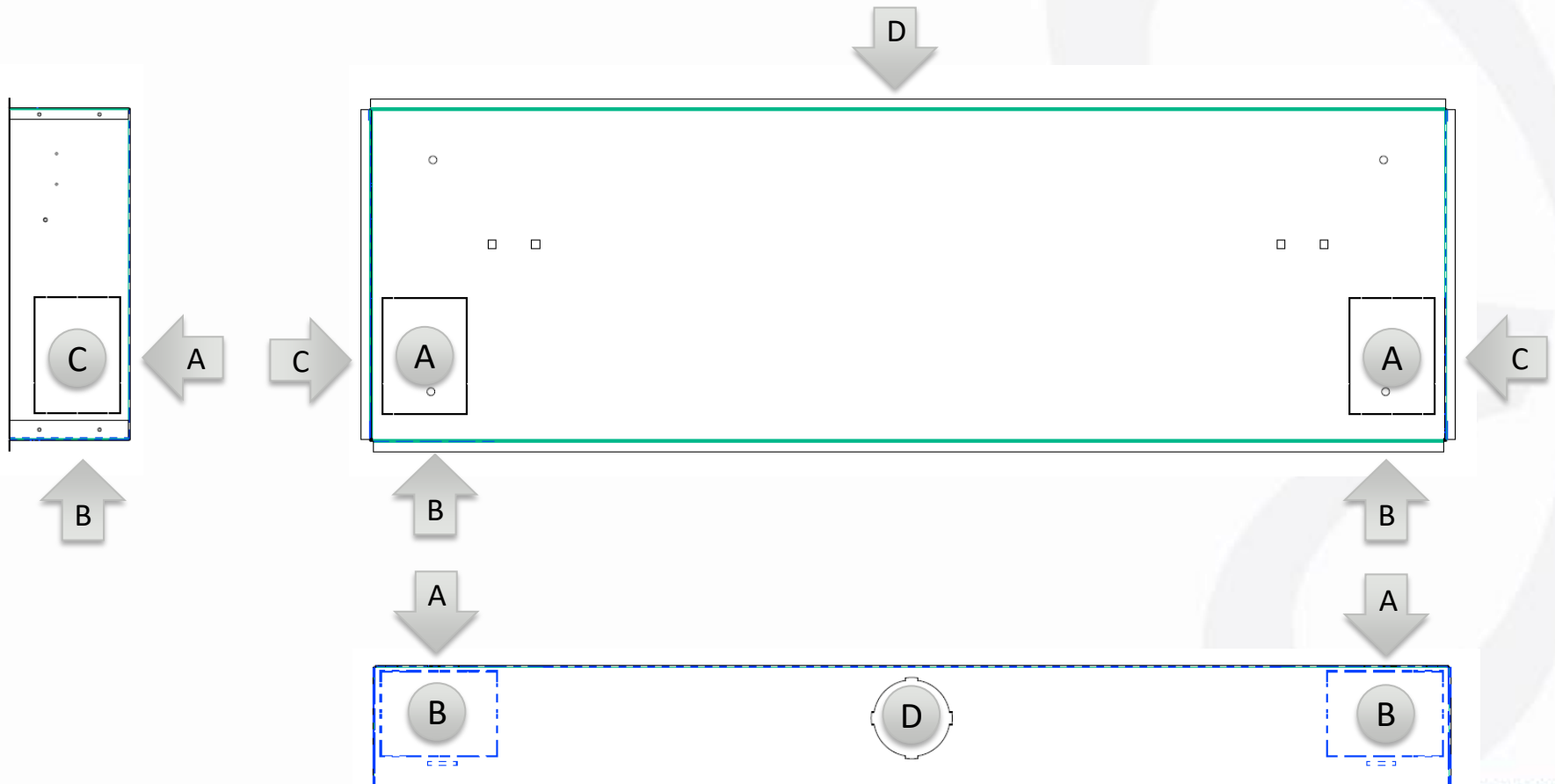
## FRAMEWORK FEATURES:

### Water and electrical connections

- A - Pre-cut rear side
- B - Pre-cut lower side
- C - Side pre-cut

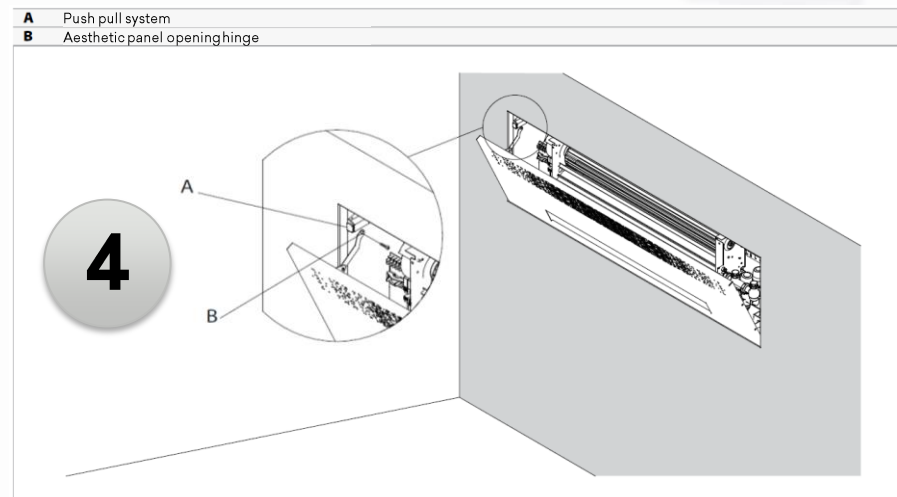
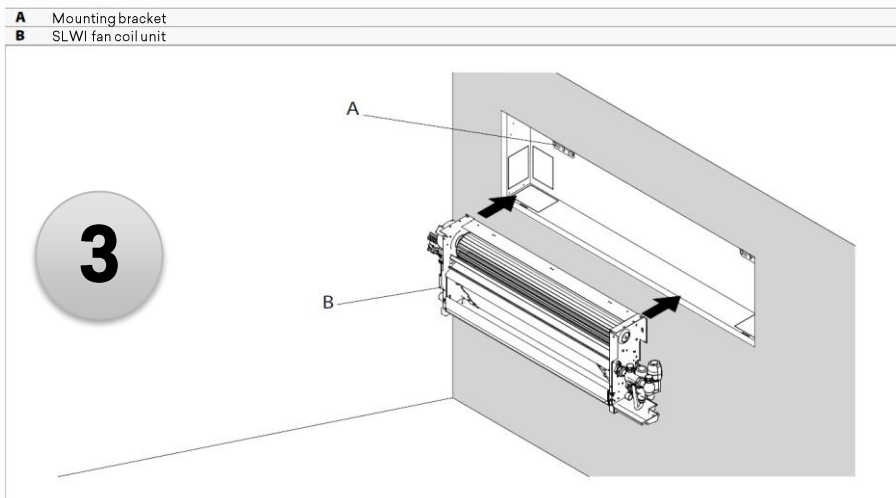
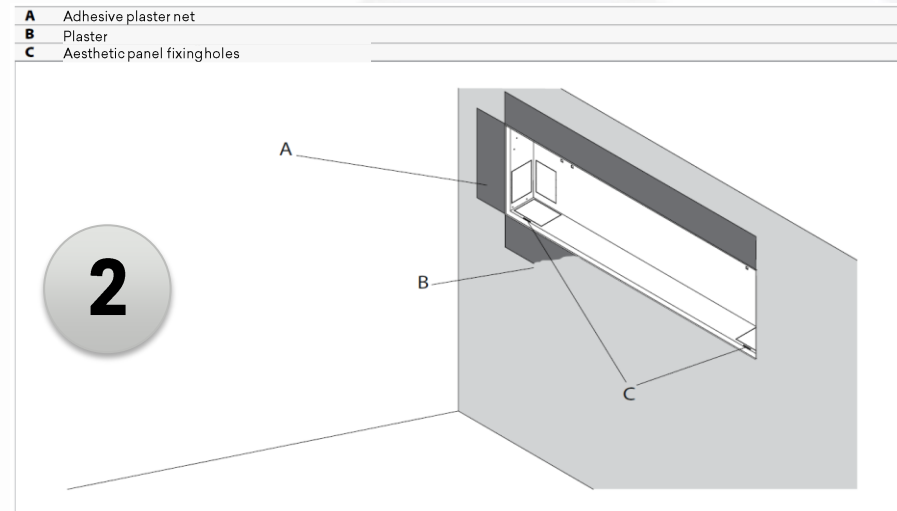
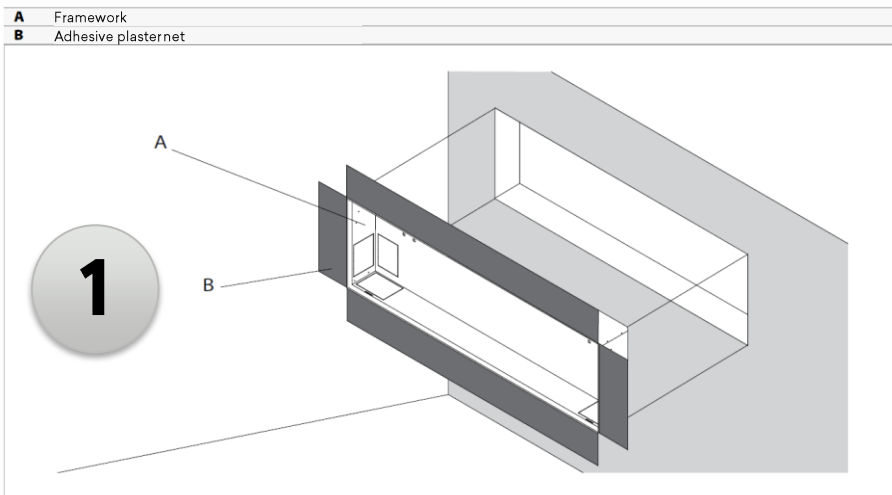
### FRESH AIR connection

- D - Pre-cut to connect the corrugated pipe start accessory DN 75 (GR0971II) or DN90 (GR0972II)



# FILOMURO BUILT IN

## INSTALLATION SEQUENCE:





# FILOMURO BUILT IN

## CONTROL DETAILS:

**A**



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel

**B**



On board electronic control for connection with standard **4 fixed speed** wall thermostats

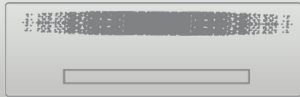
**C**




On board electronic control with **0-10V fan speed** signal input.

# FILOMURO BUILT IN

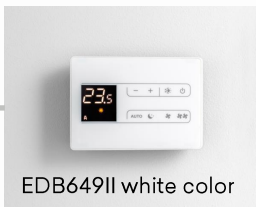
## CONTROL DETAILS:

**A**  On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

**A**  On board electronic control with PID full modulating fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel

Product configuration: **FAW|xxx01|I-0Pxx**

Thermostat-unit connection with 4-wire cable



SMART Touch thermostat **With ModBUS serial port**

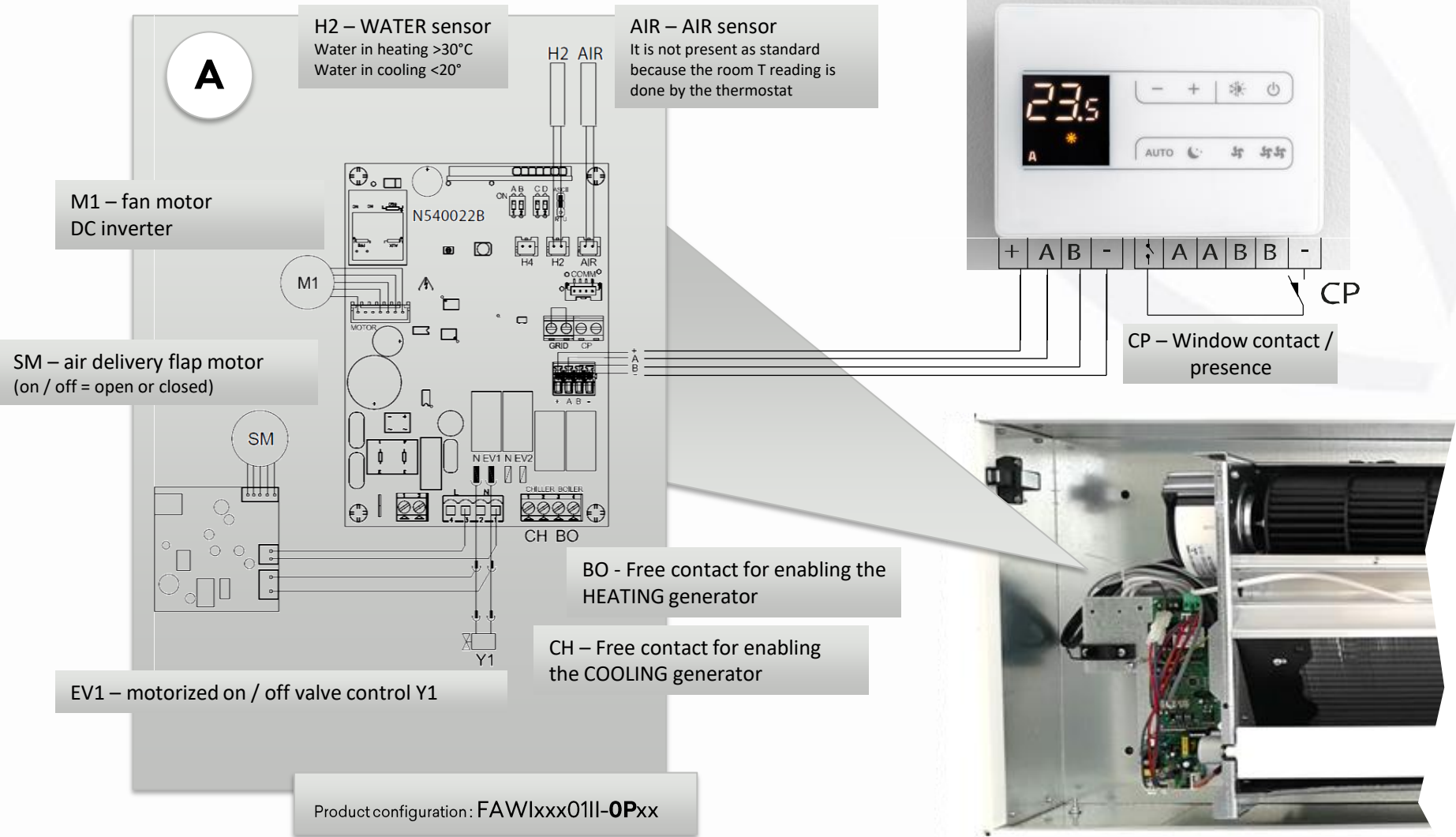


SMART Touch thermostat **With integrated WIFI**

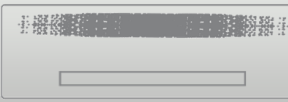
# FILOMURO BUILT IN

**A** On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

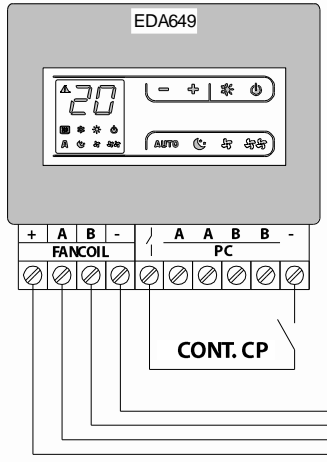
On board electronic control with PID full modulating fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel



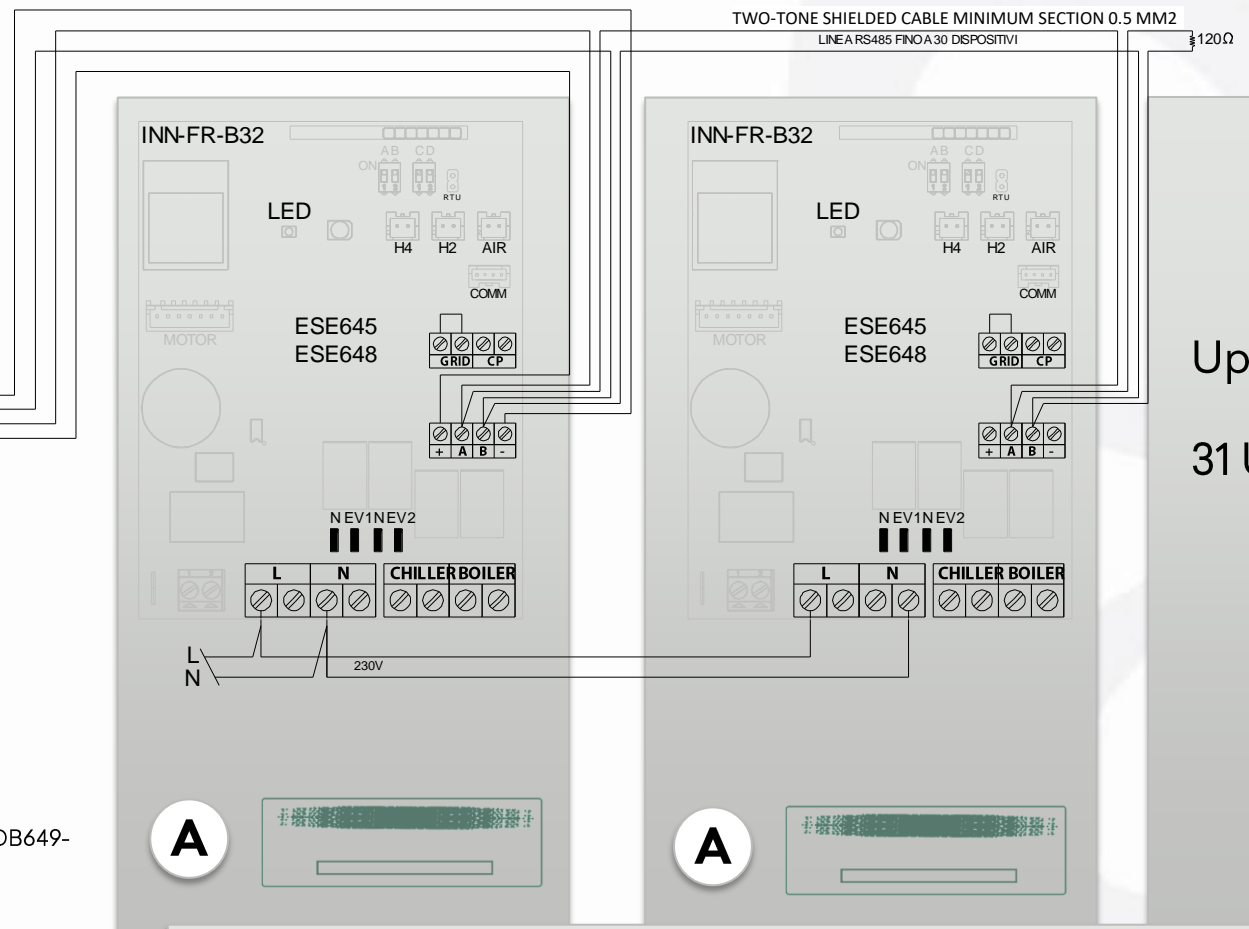
# FILOMURO BUILT IN

**A**  On board electronic control with **PID full modulating fan** connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

## MANAGEMENT UP TO 31 UNITS WITH A SINGLE THERMOSTAT: EDA649 / EDB649 / EWG649 / EWW649



+ - = DC PANEL POWER SUPPLY  
 CP = PRESENCE SENSOR INPUT  
 AB = RS485 SERIAL CONNECTION  
 L-N = ELECTRIC POWER SUPPLY 230 V  
 FANCOILS



Up to  
31 UNITS

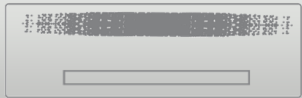
On board electronic control with PID full modulating fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel

**A**  **A** 

Product configuration: **FAW|xxx01|I-OPxx**

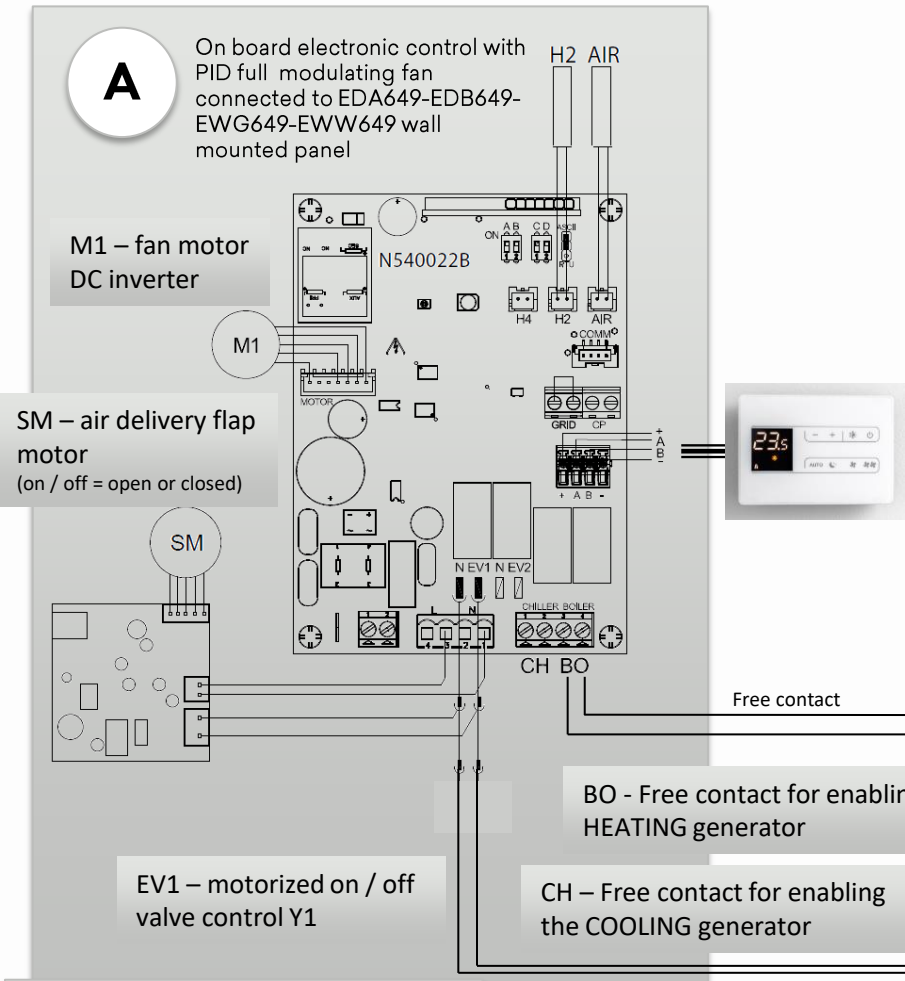
# FILOMURO BUILT IN

A



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

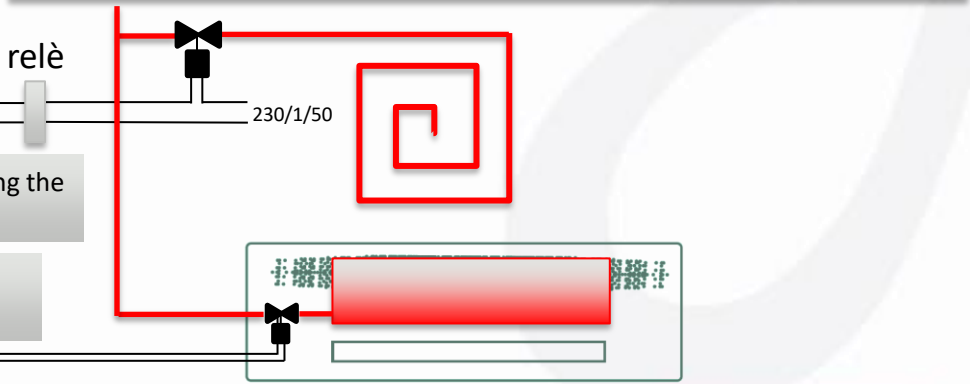
## UNDER FLOOR HEATING MANAGEMENT



In the thermostat EDA649 / EDB649 / EWG649 / EWW649 the parameter D1MV = 2 or max 3 is modified. This value indicates the difference between the room temperature and the functioning of the FILOMURO BUILT-IN fan in heating mode.

In heating mode: if the desired temperature is not satisfied, the thermoregulation feeds the valve of the RECESSED FILOMURO and closes the clean contact BO. The radiant system valve is powered via a relay (not supplied by INNOVA). The built-in FILOMURO fan is activated only if the DT (desired T° - room T) is higher than the value of parameter D1MV. In this situation FILOMURO INCASSO helps to speed up the achievement of the desired temperature.

In cooling mode: if the desired temperature is not satisfied, the thermoregulation supplies the FLUSH-MOUNTED FILOMURO valve. The clean contact BO remains open and therefore the radiant system valve remains closed.



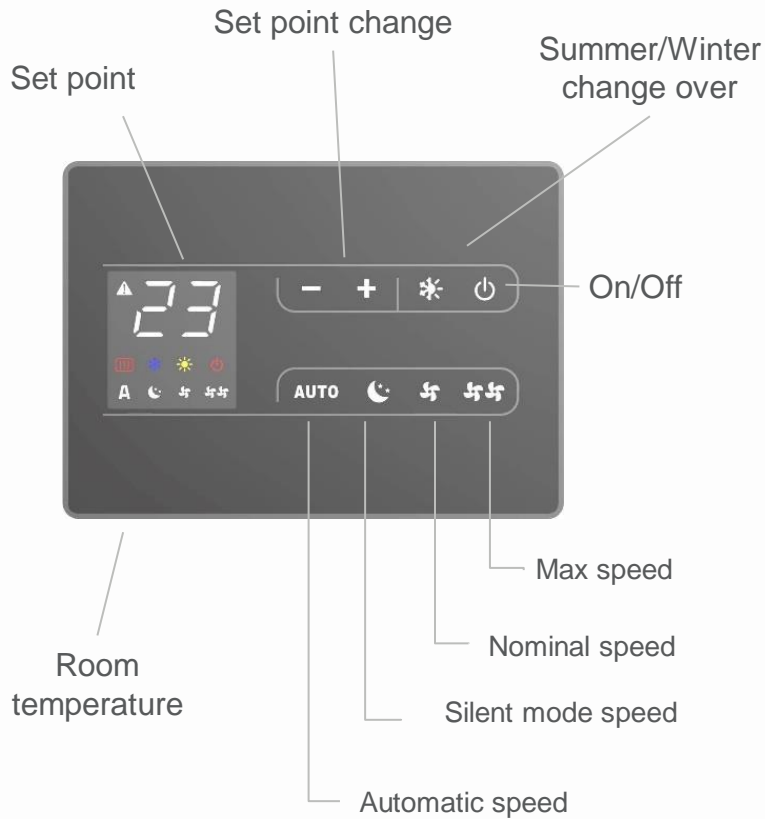
Product configuration: FAWIxxx01II-OPxx

# FILOMURO INCASSO

A

On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

## THERMOSTAT FUNCTIONS: EDA649 / EDB649 / EWG649 / EWW649



### Key functionality

+	Increase the temperature by 0.5 °C	☀	Summer/Winter change over
-	Decrease the temperature by 0.5 °C	⏻	ON - Off
☾	Night mode	🌀	Minimum fan speed operation
AUTO	Automatic modulating operation	🌀🌀	Maximum fan speed operation

### LED indications

A	Automatic operation active	❄	Cooling mode active
🌀	Minimum fan speed active	⚠	Flashing: remote operation
🌀🌀	Maximum fan speed active	⚠	Fix: remote operation
☾	Night mode operation	⏻	Off operation fan coil
☀	Heating mode active	📴	No active signal

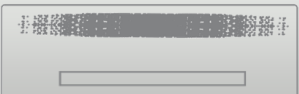
### Alarms

Error	Signal
Room air sensor error (placed in the thermostat)	⚠ E1
Room air sensor error or air probe connections on multiple fan coils	⚠ E2

### Brightness



After a period of 20 seconds from the last action, the brightness of the panel is specifically reduced to increase comfort at night and the room temperature is shown on the display. When any key is pressed, maximum brightness is restored.

# FILOMURO BUILT IN

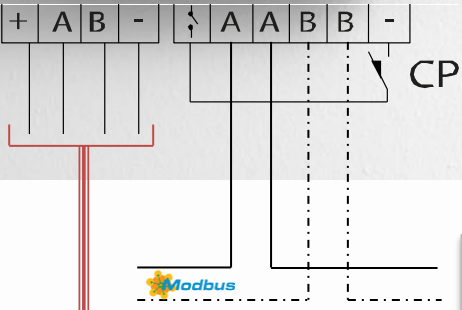
**A**  On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

## CONNECTIVITY:


EDA649 black color  
EDB649 white color



Terminal block: + A B - | A A B B - CP





**BUTLER**  
(or BMS)

**A** 

Product configuration: FAWIxxx01II-OPxx



On board electronic control with PID full modulating fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel

EWG649 black color  
EWW649 white color




Terminal block: + A B - | A A B B - CP

USCITE DISABILITATE



**APP**

**A** 

Product configuration: FAWIxxx01II-OPxx

[www.innovaenergie.com](http://www.innovaenergie.com)

# FILOMURO BUILT IN



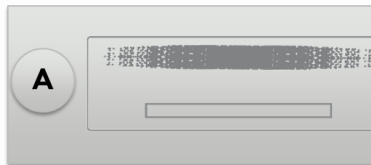
## KEY LOCK FUNCTION: EDA649 / EDB649 / EWG649 / EWW649

- Pressing the **+** and **-** keys simultaneously for 1 second activates the lock of all the keys, confirmation is given by the display of "LOC".
- All adjustments are inhibited by the user and when pressing any key, "LOC" appears.
- To deactivate the local key lock, press the **+** and **-** keys again.





# FILOMURO BUILT IN



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

PRESENCE CONTACT CP: EDA649 / EDB649 / EWG649 / EWW649

## CP presence contact input connection

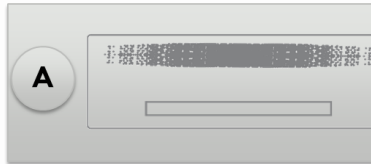
- Since the 2020 versions, the CP contact has become multi-function
- Up to the 2019 version: when the CP contact, connected to the SW2 input, is closed, the panel is put in stand-by, the control display is turned off and the symbol flashes when any button is pressed. ⚠
- From 2020 it is possible to change the season on command so that the user can do it electrically (e.g. when the cycle is reversed at the heat pump), without having to change it manually on each fan coil



It is not possible to connect the input in parallel to that of other electronic boards (use separate contacts).






# FILOMURO BUILT IN



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

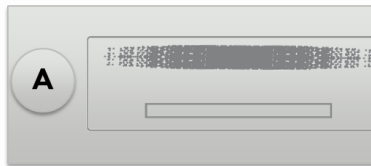
## SPECIAL FUNCTIONS: EDA649 / EDB649 / EWG649 / EWW649

### INSTALLER advanced menu, available from 2020

- To access, press and hold the power button  for 10 seconds
- The control will switch on displaying the room temperature
- Holding down again will display the word **Ad**
- To move around the menu use the **+** and **-** icons
- To select the menu items and to confirm the changes press 
- To exit the menu, press  for 10 seconds or wait 30 seconds without operating any command. The display will turn off and the settings will be stored

<b>Ad</b>	Modbus address of the control	<b>rb</b>	Reset modbus
<b>uu</b>	Enable Wifi antenna	<b>Fr</b>	Factory reset
<b>Ub</b>	Buzzer volume adjustment	<b>ot</b>	Room Temperature sensor offset
<b>br</b>	Display brightness adjustment	<b>oH</b>	Room U.R. sensor offset (not active)
<b>di</b>	CP digital input management	<b>Sc</b>	Temperature display scale
<b>rZ</b>	Radiant zone management (only with EG1027)	<b>rE</b>	Backup heater (not active)
<b>Ld</b>	Not used		




# FILOMURO BUILT IN



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

## SPECIAL FUNCTIONS: EDA649 / EDB649 / EWG649 / EWW649

### SERVICE advanced menu, available from 2020

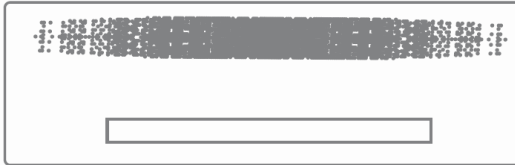
- To access, press and hold the button  for 10 seconds
- The control will switch on displaying the room temperature
- By keeping it pressed again, S1 will appear
- To move around the menu use the **+** and **-** icons
- To select the menu items and to confirm the changes press 
- To exit the menu, press  for 10 seconds or wait 30 seconds without operating any command. The display will turn off and the settings will be stored

<b>S1</b>	LLO: minimum water temperature for heating	<b>r1</b>	MVV5: minimum ventilation speed in MIN and Night
<b>S2</b>	LHI: maximum water temperature for cooling	<b>r2</b>	MVV4: maximum ventilation speed in the night and minimum in the car
<b>d1</b>	D1EV: EV1 shutdown differential in heating	<b>r3</b>	MVV3: maximum ventilation speed in MIN (silent) and minimum in MAX (both normal and Performance)
<b>d2</b>	D2EV: EV1 ignition differential in heating	<b>r4</b>	MVV2: maximum ventilation speed in AUTO
<b>d3</b>	D1MV: differential between EV1 shutdown and heating fan shutdown	<b>r5</b>	MVV1: maximum ventilation speed in MAX
<b>d4</b>	D2MV: fan ignition differential in heating	<b>r6</b>	MVVP1: maximum ventilation speed in MAX with performance enabled

# FILOMURO BUILT IN

## CONTROL DETAILS:

**A**



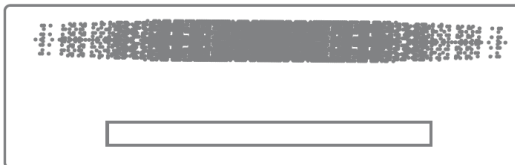
On board electronic control with **PID full modulating** fan connected to EDA649-EDB649 -EWG649-EWW649 wall mounted panel

**B**



On board electronic control for connection with standard **4 fixed speed** wall thermostats

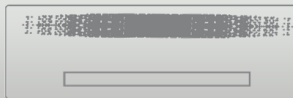
**C**



On board electronic control with **0-10V fan speed** signal input.

# FILOMURO BUILT IN

B



On board electronic control for connection with standard **4 fixed speed** wall thermostats

MODEL with on board electronic control for connection with standard 4 fixed speed wall thermostats

B



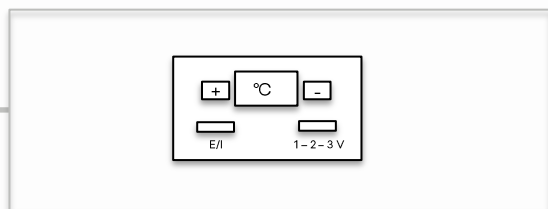
on board electronic control for connection with standard 4 fixed speed wall thermostats

Product configuration: **FAW|xxx01II-0Txx**

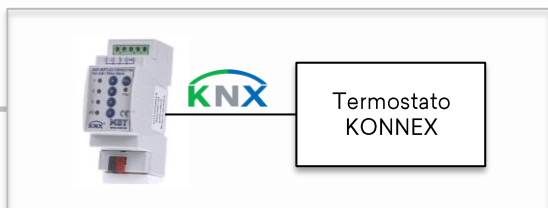
Thermostat-unit connection  
with 4 or 5-pole cable  
Neutral + 1 + 2 + 3 (+4) speed



Thermostat, summer / winter selector and 3 speeds



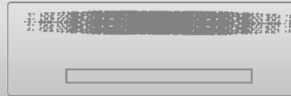
3 or 4 speed thermostat  
(not provided by INNOVA)



KONNEX 3 or 4 speed thermostat and actuator  
(not supplied by INNOVA)

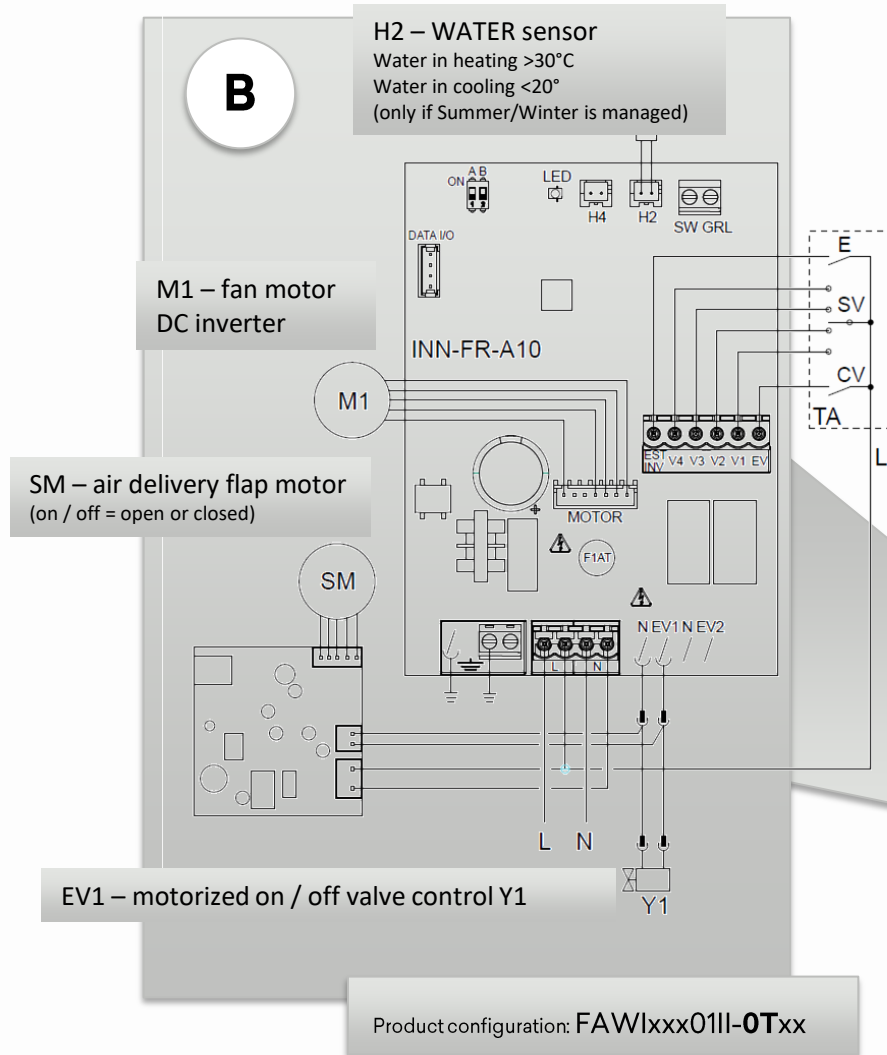
# FILOMURO BUILT IN

**B**



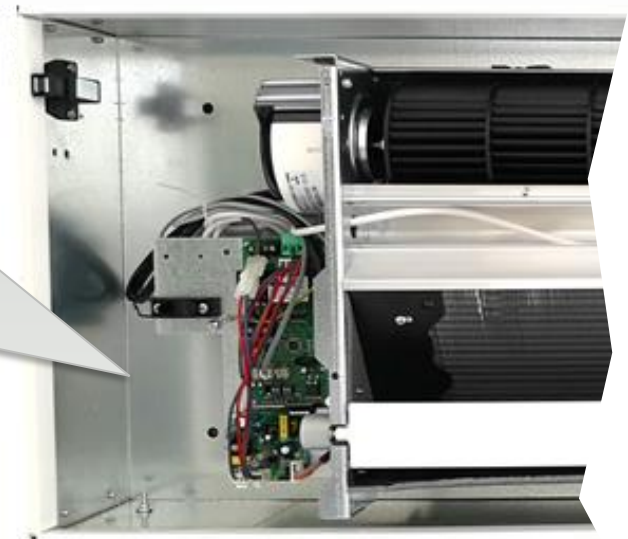
On board electronic control for connection with standard **4 fixed speed** wall thermostats

MODEL with on board electronic control for connection with standard 4 fixed speed wall thermostats



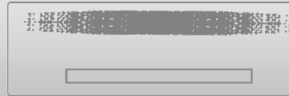
- Board mounted on the machine that allows you to manage the motor, with fixed speeds that can be combined with the controls with Innova B3V151 and B3V152 thermostats and the fancoil controls available on the market.
- It has a 230 V output for controlling the summer and winter solenoid valve.

<b>E</b>	Heating, cooling selection input
<b>TA</b>	3 speed room thermostat (to buy, install and connect by the installer)
<b>CV</b>	Thermostat consent
<b>SV</b>	Speed selector



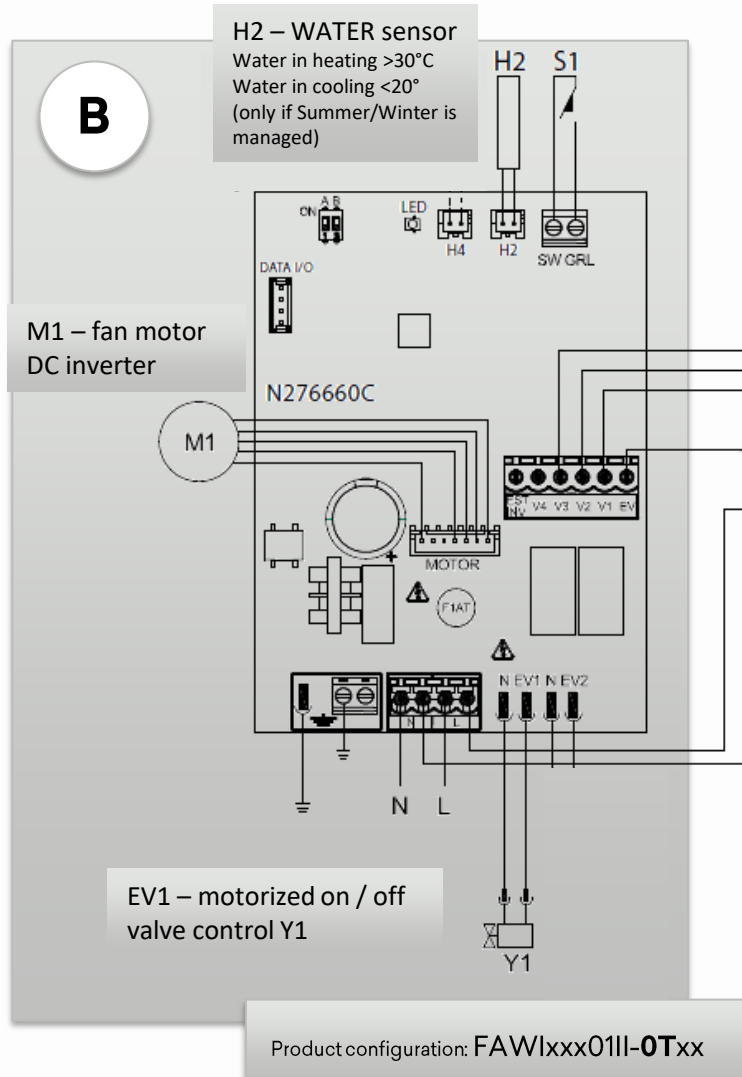
# FILOMURO BUILT IN

B



On board electronic control for connection with standard **4 fixed speed** wall thermostats

MODEL with on board electronic control for connection with standard 4 fixed speed wall thermostats



Through the 4 speed inputs V1, V2, V3 and V4, the fan is activated, according to the sequence:

- maximum speed, equal to 1,400 rpm on connector V1;
- average speed, 1,100 rpm on connector V2;
- minimum speed, 680 rpm on connector V3;
- supersilent speed, 400 rpm on the V4 connector.



B3V1511I  
wall fixing

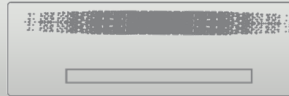
If several inputs are closed simultaneously, the motor will run at a number of revolutions equal to that imposed by the connection with the highest speed.

It is possible to connect several boards in parallel to a single thermostat even using different speeds.

\* H2 can only be used if the SUMMER / WINTER switchover is managed by means of an auxiliary relay

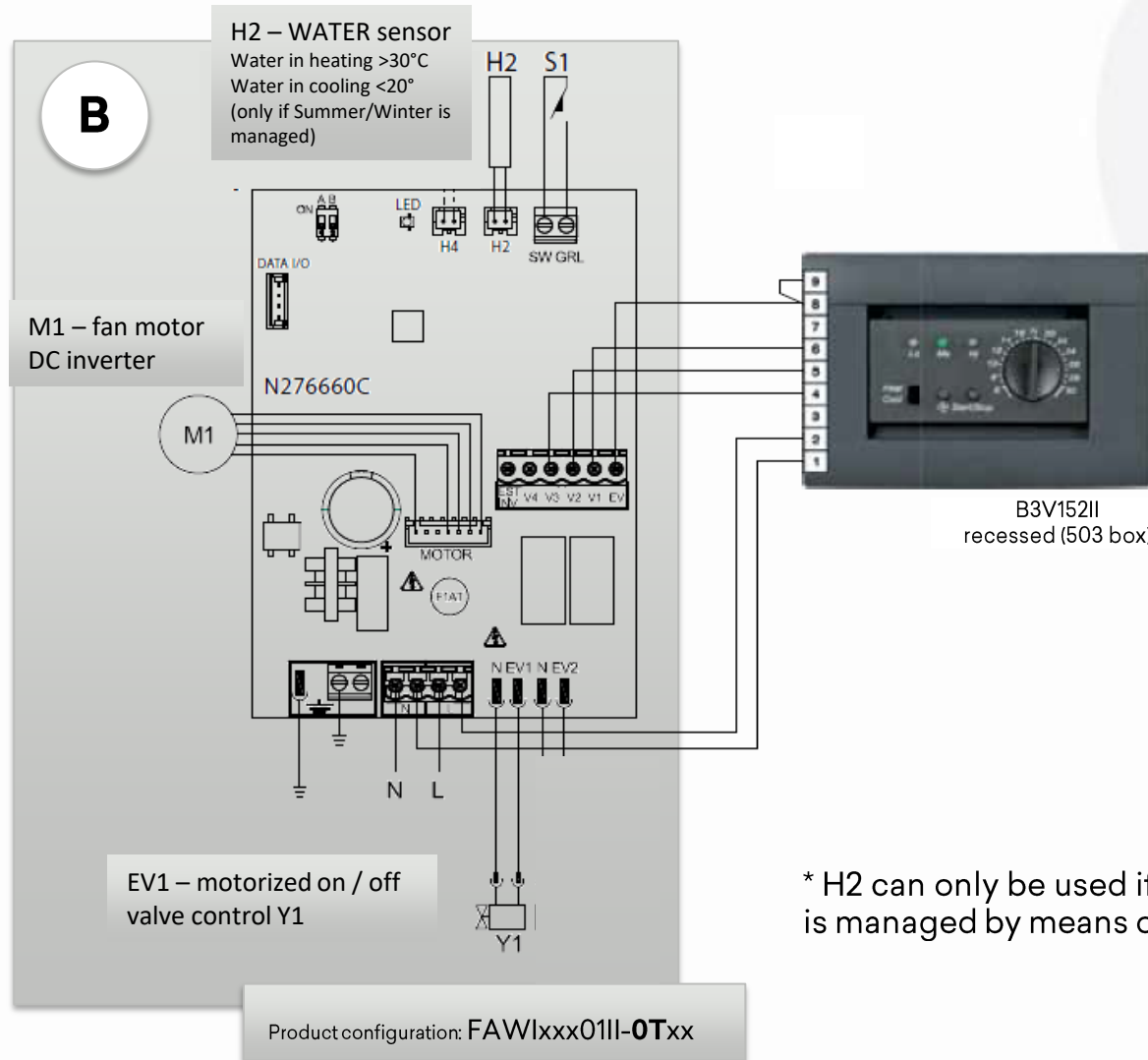
# FILOMURO BUILT IN

B



On board electronic control for connection with standard **4 fixed speed** wall thermostats

MODEL with on board electronic control for connection with standard 4 fixed speed wall thermostats



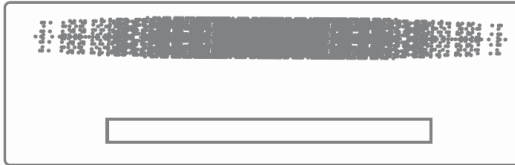
\* H2 can only be used if the SUMMER / WINTER switchover is managed by means of an auxiliary relay



# FILOMURO BUILT IN

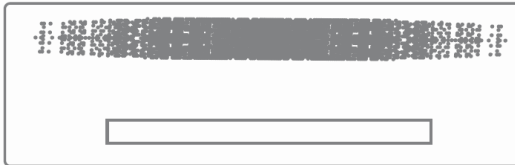
## CONTROL DETAILS:

**A**



On board electronic control with **PID full modulating** fan connected to EDA649-EDB649-EWG649-EWW649 wall mounted panel

**B**



On board electronic control for connection with standard **4 fixed speed** wall thermostats

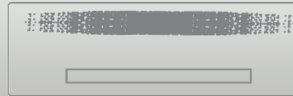
**C**



On board electronic control with **0-10V fan speed** signal input.

# FILOMURO BUILT IN

C



On board electronic control with **0-10V fan speed** signal input.

MODEL with on board electronic control with **0-10V fan speed** signal input.

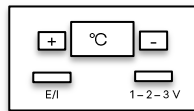
B



On board electronic control with **0-10V fan speed** signal input.

Product configuration: **FAW|xxx01II-0Vxx**

Thermostat-unit connection  
with 2-pole cable  
0-10 V



Thermostat with 0-10V output for fan speed  
(not provided by INNOVA)



KONNEX 0-10V thermostat and actuator  
(not supplied by INNOVA)

Home automation  
/ BMS

Home automation control or BMS (building management  
system) with 0-10 V signal for fan speed  
(not provided by INNOVA)

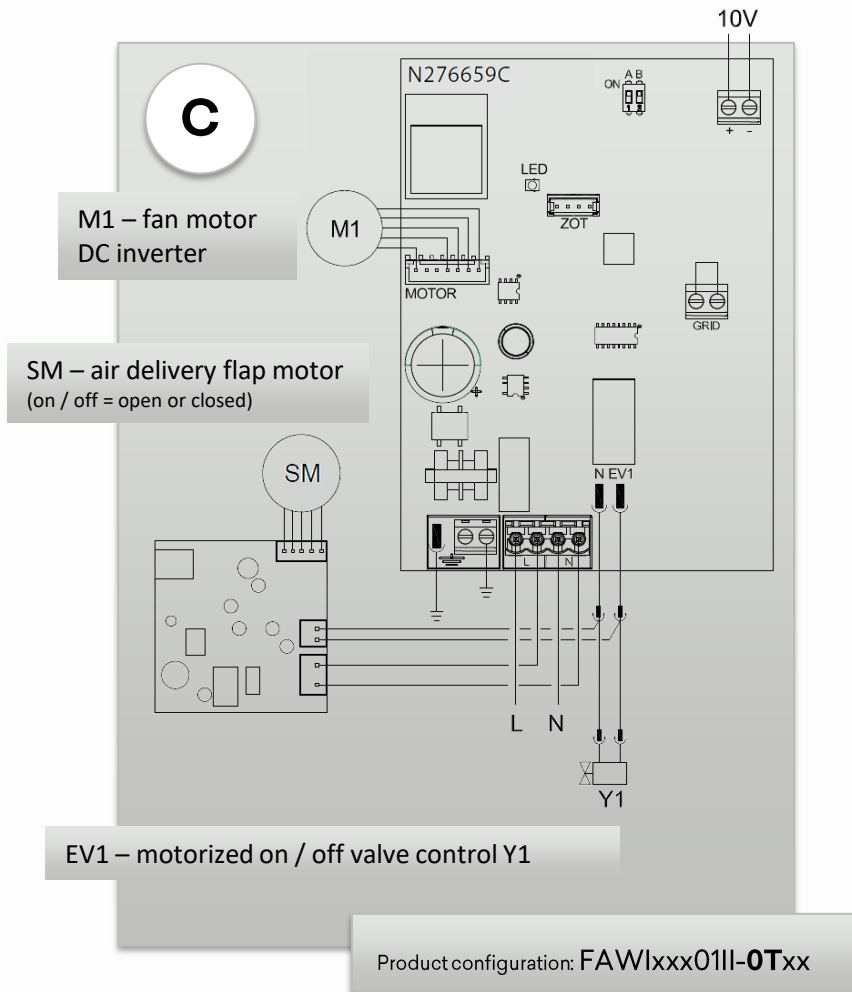
# FILOMURO BUILT IN

C



On board electronic control with **0-10V fan speed** signal input.

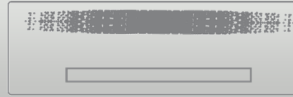
MODEL with on board electronic control with **0-10V fan speed** signal input.



- Board mounted on the machine that allows you to manage the motor, with continuously variable speeds.
- It can be combined with commercially available 0-10 V thermostats and common 0-10 V signal generators.
- It has a 230V output for controlling the summer and winter solenoid valve.
- It is the ideal command for combination with BMS systems or flexible home automation systems in which the programmer can manage P, PI or PID algorithms
- It can be combined with home automation systems in Konnex or others, as long as KNX actuator modules with 0-10 V output are used

# FILOMURO BUILT IN

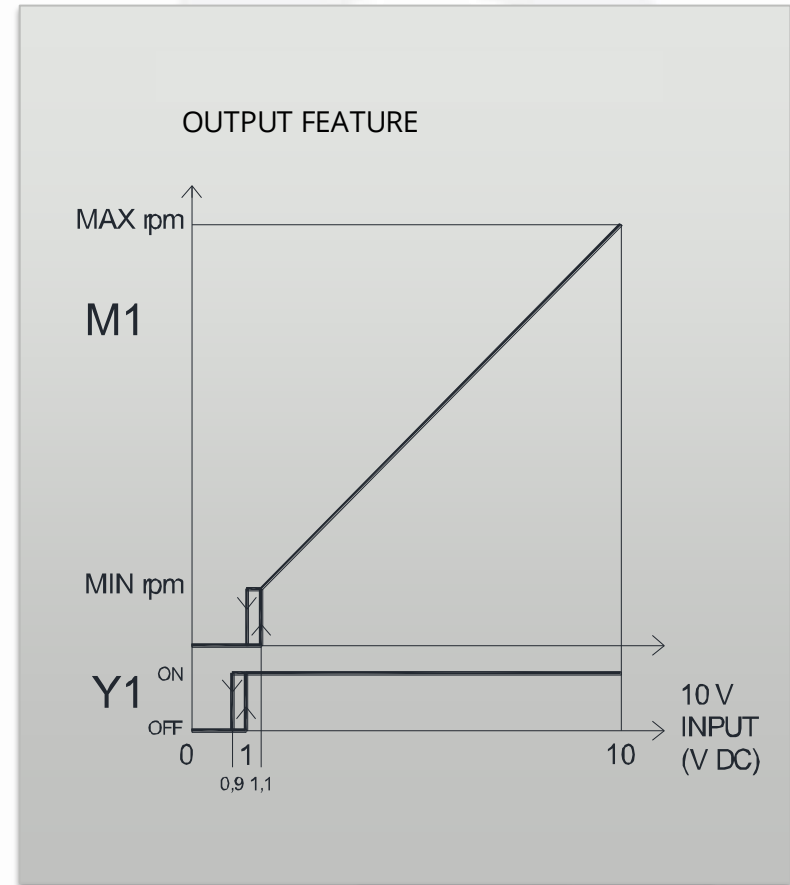
C



On board electronic control with **0-10V fan speed** signal input.

MODEL with on board electronic control with **0-10V fan speed** signal input.

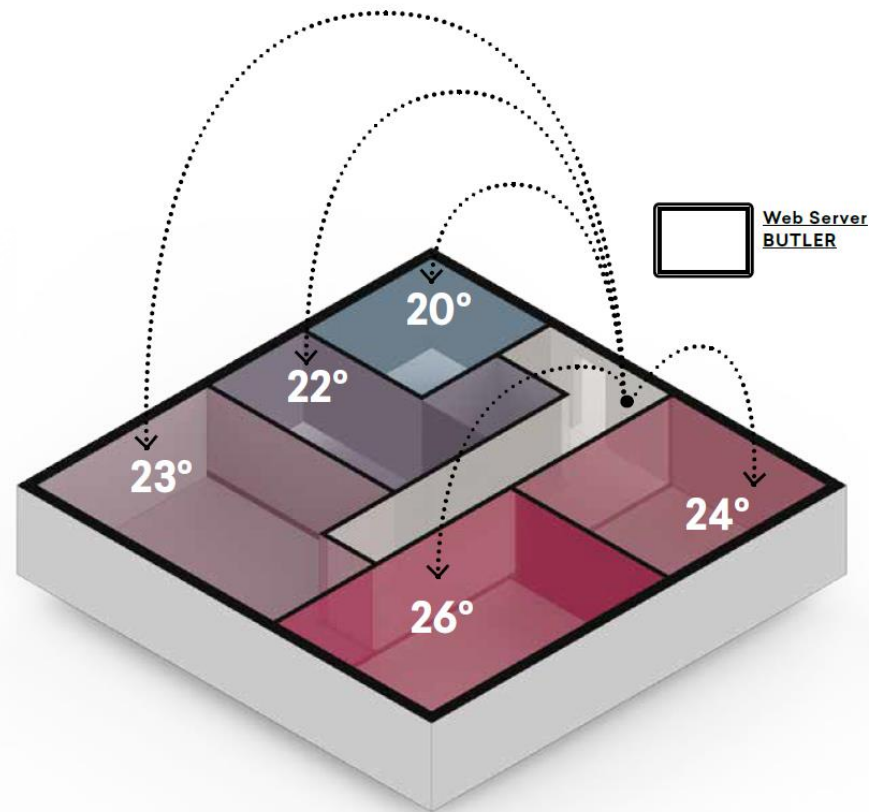
- The graph of the working characteristic is shown on the side.
- At 1 V voltage the valve opens, piloted by the card itself.
- At 1.1 V voltage the ventilation starts at minimum (400 rpm).
- From 1.1 to 10 V the ventilation speed reaches its maximum linearly
- The flap motor is activated together with the valve at a voltage of 1 V



# BUTLER, the advanced control of the system

## Room Control

Room by room control with BUTLER it is possible to set a weekly calendar with time slots, create scenarios for each room or zones, change the settings so that the house is at the right level of comfort when it is needed.



# BUTLER, the advanced control of the system

## Main functions

### • Supervision and command in local network or from remote

The system can be managed indifferently from smartphone, tablet or computer

### • Customized summer and winter weekly program

For every season you can have it different programming

### • Setting of three temperature levels on the network INNOVA fancoils

For each room or zone they can be selected 3 different working temperatures, changeable in any time

### • Weekly hourly programming

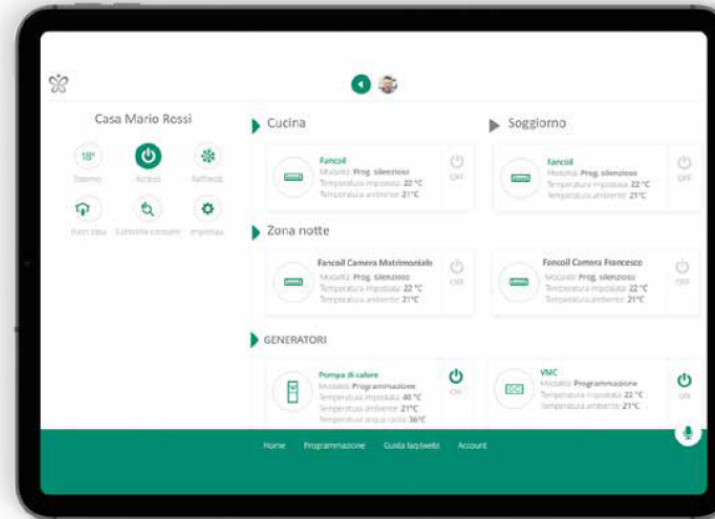
Times can be set on each room different operation; the same for VMC e Fancoils

### • PC network interface

Once the bus network between the pump has been created heat and fancoils the connection with web server is the same as a normal computer

### • Remote Support

With the consent of the user, BUTLER can automatically enter the INNOVA cloud for diagnostics and assistance in case of need



## Weekly program



## Domestic Hot Water settings

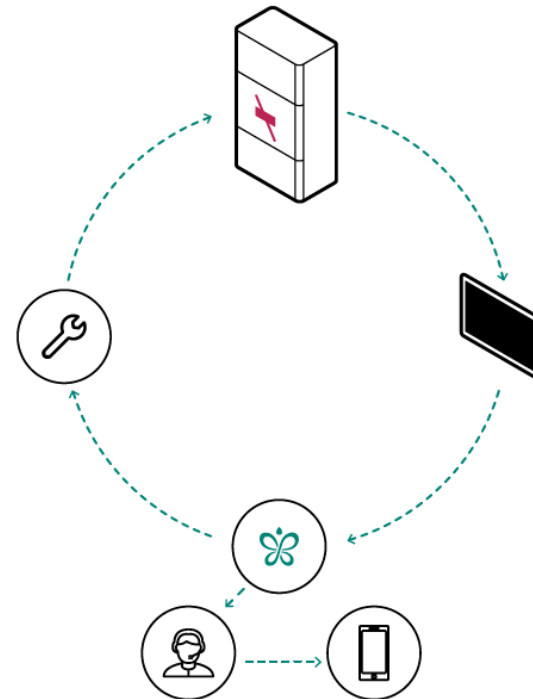


# BUTLER, the advanced control of the system

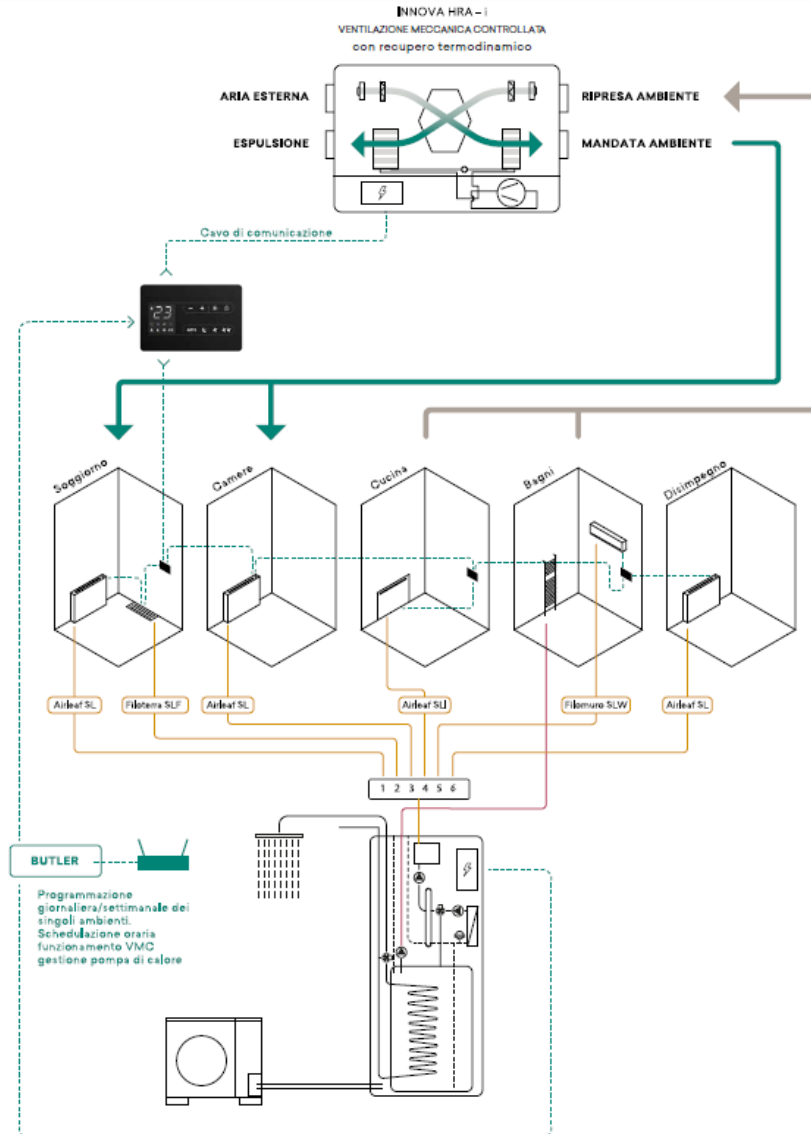


## Remote assistance

With the user's consent, BUTLER can automatically fit into the INNOVA cloud for diagnostics and assistance in case of need. Thanks to the internet connection it is possible to remotely verify the correct functioning of the products INNOVA connected to the BUTLER. Any operating anomalies can be sent automatically by the BUTLER to the service center that will intervene by changing the parameters functional or decide to intervene physically giving a fast service timely.



# BUTLER, the advanced control of the system



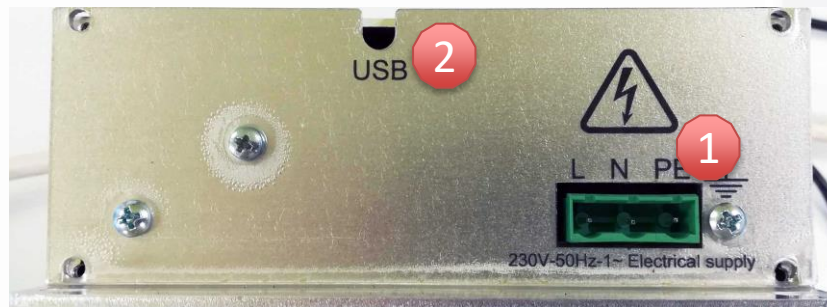
Total comfort system control

The advantage of choosing a complete INNOVA system is that for any need we are the only referents both for maintenance scheduled, both for assistance. A service complete and quality.



# BUTLER, the advanced control of the system

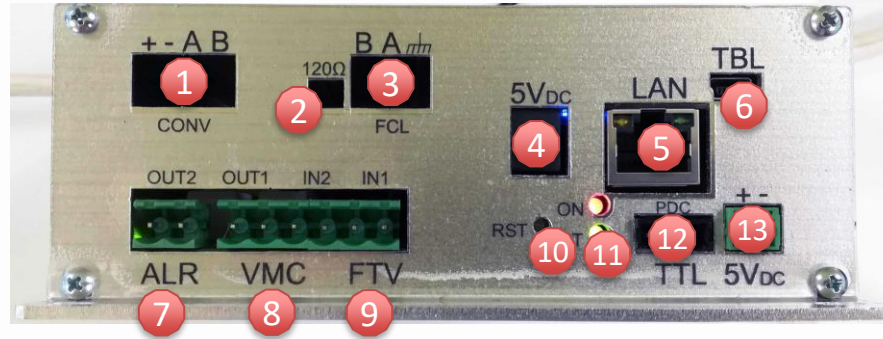
**Butler ESW544 Web server: connections available supply side**



- 1** Power port 230 V AC.
- 2** USB port for any WIFI antenna, mod. TP-Link TL-WN725N, cod. InnovaN276692A

# BUTLER, the advanced control of the system

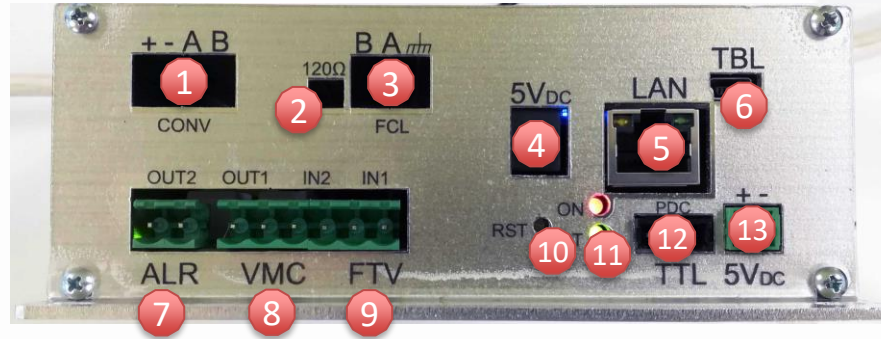
## Butler ESW544 Web server: connections available supply side



- 1 Communication port with MCU Stone heat pumps
- 2 Jumper for terminating resistor fancoil network
- 3 Communication port RS 485 with fan coils
- 4 output supply connector 5 V DC
- 5 LAN Port RJ45
- 6 mini USB port for connection to tablet

# BUTLER, the advanced control of the system

## Butler ESW544 Web server: connections available services side

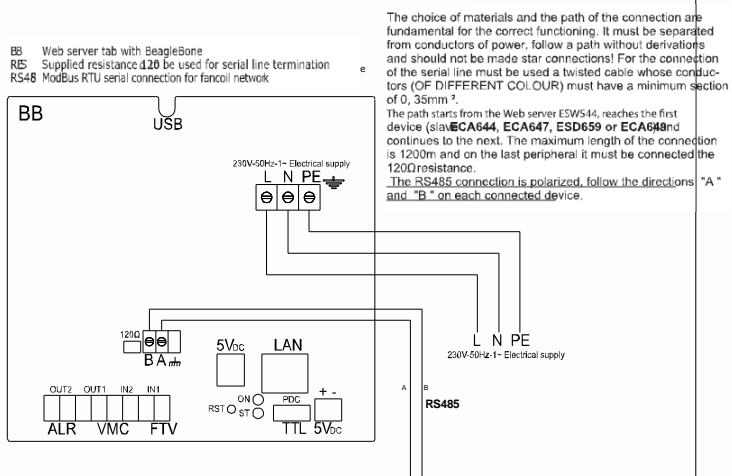


- 7 Alarm output configurable (work in progress)
- 8 output for enabling VMC (work units in progress)
- 9 input from PV system inverter for ACS setpoint change
- 10 Reset button
- 11 Leds indication of status of the device
- 12 TTL port for connection to controller PDC Ehpoca and 3in1
- 13 Power supply 5 V DC for tablet

# BUTLER, the advanced control of the system

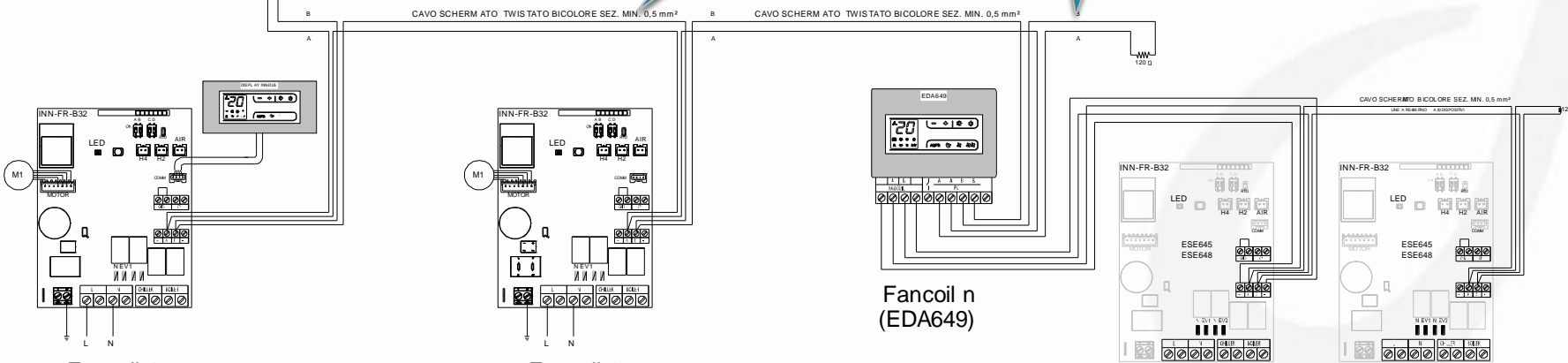
## Web server Butler ESW544: schema di collegamento tipico del sistema

WIRING DIAGRAM WEB SERVER BB FOR FANCOIL ESW544



Shielded cable  
2x0.5 mm<sup>2</sup>

Login Only  
cascaded  
NO star



Fancoil 1  
(ECA644, ECA647)

Fancoil 2  
(ESD659)

Fancoil n  
(EDA649)

Fancoil da 1 a 31 con scheda ESE645  
[www.innovaenergie.com](http://www.innovaenergie.com)

End of presentation  
Thanks for the attention