



# EASY Control unit

Installation and operating instructions



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# 1 General remarks




Though its contents have been checked for consistency with the described hard- and software, deviations cannot be ruled out, meaning that no guarantee of complete consistency can be given. This documentation is updated on a regular basis. Necessary corrections and useful addenda will always be included in subsequent versions. They are also available at manufacturer's website.

## 1.1 Safety information

Attention is to be paid to the safety information contained in these instructions for installing and operating the control unit. Before any work is carried out on the unit / system, the instructions and safety information are to be read carefully in full. Non-compliance with the safety information can lead to harm/damage to persons and/or equipment.

Assembly, electrical installation and system start-up should only be performed by skilled persons. These are people with relevant safety training and qualified to install, commission and label equipment, systems and cabling in accordance with current safety standards.

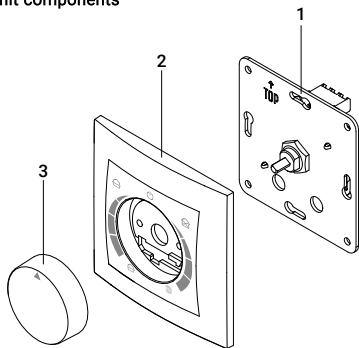
The following list contains descriptions of the symbols and terms used in these instructions:

<b>Hazard symbol</b>		Caution	This hazard symbol warns about the danger of injury.
		Electricity	This hazard symbol warns about the danger of electrocution.
<b>Warning symbol</b>		Please note	This warning symbol indicates important information.

## 2 Installation preparations

Before starting installation, please check that all components are present, as otherwise it will not be possible to complete the installation.

### 2.1 EASY control unit components



Article name	Position	Content	Number
<b>EASY control unit</b>	1	Control unit with backplate and hexagon nut	1
	2	Cover	1
	3	Control knob	1

## 2.2 Dimensions

Name	Width (mm)	Height (mm)	Depth (mm)	Ø (mm)
Control unit	71	71	40	-
Cover	80	80	11	-
Control knob	-	-	12	38

## 2.3 Required tools

The following equipment is needed to install the control unit:

- Screwdriver
- Wrench
- Hammer and chisel for cable ducts / slits
- Pattress box for flush mounting (electronics box for a flush-mounted power supply or a simple box for a DIN top hat rail)

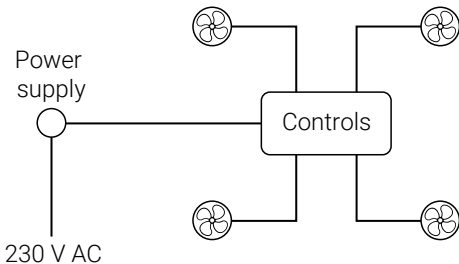
### 3 Installation

Up to four fan units can be connected to one control unit. The control unit can be installed anywhere on a wall at normal height. 3-pole cables (preferably LiYY cables) are required. To ensure adequate power, the cable length between the control unit and fan unit must not exceed 100 m.



**THE INSTALLATION IS TO BE DONE IN SUCH A WAY THAT THE 12V OUTPUT CABLE AND THE 230V INPUT CABLE ARE NOT ON THE SAME SIDE OF THE POWER SUPPLY (INSTALL THE 230 V CABLE UNDERNEATH).**

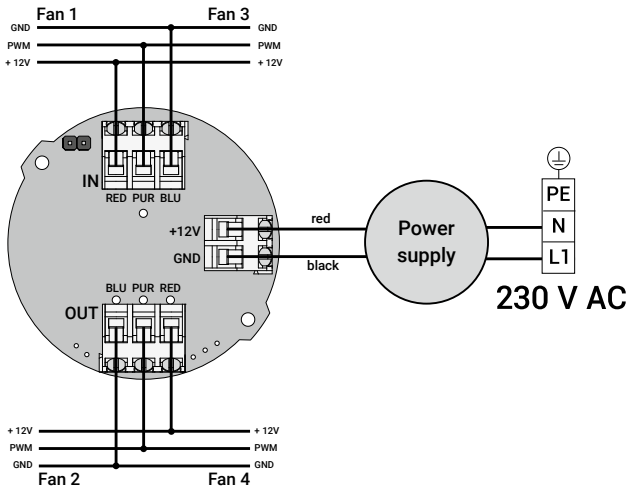
Example of the wiring of four fans



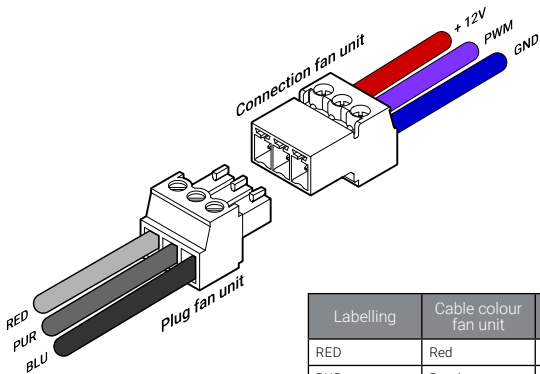


### 3.1 Connection and wiring

All electrical work must be performed by a qualified electrician. Make sure that all wiring is done correctly.



To connect the control unit to the fan units, a 3-pin plug must be connected to the cable. The plug must be wired as shown.

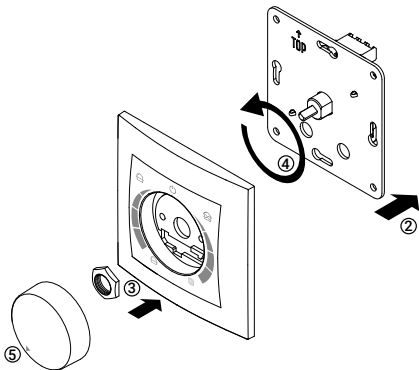


Labelling	Cable colour fan unit	Function
RED	Red	+12V
PUR	Purple	PWM
BLU	Blue	GND



**INCORRECT WIRING CAN CAUSE DAMAGE TO THE FAN UNIT.**

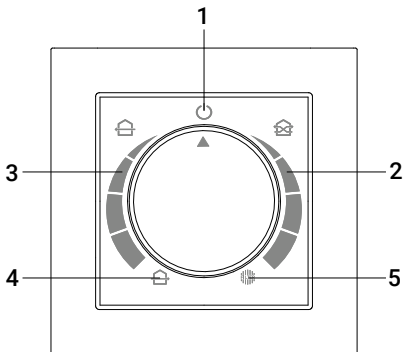
## 3.2 Wall installation



1. Connect the power supply and the fans in accordance with the diagrams.
2. Insert the power supply into the pattress box and fix the control unit's backplate onto the wall.
3. Insert the cover on the potentiometer, making sure that it is straight. Use a wrench to screw the hexagon nut to the control unit.
4. Turn the potentiometer as far as possible to the left.
5. Push on the knob, making sure that the arrow on the knob points downwards to the left.

# 4 Operating the system

## 4.1 Controls



1	ON/OFF	For turning the system on/off.
2	Eco-Mode	Activates heat recovery mode. The currently selected fan speed is shown on the scale.
3	Full-blast mode	Activates full-blast mode. The currently selected fan speed is shown on the scale.
4	Change of fan direction	Changes the fan direction when working in full-blast mode.
5	Filter change display	Tells the user to change the filter.

## 4.2 Modi



### **Eco-Mode**

The system changes the airflow direction once every 50 - 70 seconds, dependent on the selected fan speed, thereby ensuring optimal heat recovery.



### **Full-blast mode**

The system runs in just one direction, allowing a room to be thoroughly ventilated. Heat recovery is not available in this mode.

## 4.3 Further functions

### **Full blast mode: changing airflow direction**

To change the initial fan direction in full-blast mode, turn the knob to the left until the arrow points to the 'change direction' icon. The fan changes its direction. After doing this, the desired fan speed can be selected. To change direction again, repeat the above steps.

### **Filter change**

An integrated meter determines when the filter needs changing. An LED under the 'Filter change' icon starts blinking when a filter needs changing. A filter change is confirmed by turning the knob to the right until the arrow points to the 'Filter change' icon. After 5 seconds, the meter is reset and the LED stops blinking.



**THE OPTIMAL TIME UNTIL A FILTER NEEDS CHANGING IS DEPENDENT ON LOCAL CONDITIONS AND CAN THUS VARY.**

## 5 Technical data

Mains connection [V]	230 AC / 50-60 Hz
Operating voltage [V]	12 DC SELV
Power consumption <sup>1)</sup> [W]	< 0,5
Software class	A
Permissible operating temperature [°C]	0 ... 40
Type of protection	IP 40
Contamination level	2
Dimensions [mm]	80 x 80 x 18 (WxHxD)
Colour	White
Conformity	<b>CE</b>

<sup>1)</sup> without power supply unit

## 6 Disposal

Due to little or no harmful materials being used in their production, the majority of components described in these operating instructions can be recycled. Should you want to dispose of your ventilation unit, please do so in accordance with current national regulations.

Contact the appropriate authority. Packaging material should be sorted before disposal. Electronic devices or batteries do not belong in normal household refuse.

Disposal recommendations for all components:

Component	Material	Disposal
Control unit	Electrical components	Electronics recycling
Backplate	Aluminium	Metal recycling
Cover	ABS	Collection of recyclable materials
Control knob	ABS	Collection of recyclable materials

## 7 Maintenance

Regularly wipe the surfaces of the cover and the knob with a dry microfibre cloth.

## 8 Warranty

The same warranty terms and conditions as for the ventilation system apply. These can be found in the system's operating instructions.

