EBECO

WallFLEX 500

600 W / 1000 W / 1400 W

SE	MANUAL
EN	MANUAL
NO	BRUKSANVISNING
FI	KÄYTTÖOHJE
DE	HANDBUCH

+ ADD EB-CONNECT
WiFi READY

Informationskrav för elektriska rumsvärmare

I enlighet med ekodesignkraven för rumsvärmare enligt förordning EU 2015/1188
Information requirements for electric local space heaters according to eco design, regulation (EU 2015/1188)

Wallflex 500	Beteckning Symbol	600 W	1000 W	1400 W	Enhet Unit
Värmeeffekt Heat output		600	1000	1400	W
Nominell avgiven värmeeffekt Nominal heat output	P_{nom}	0,600	1,000	1,400	kW
Lägsta värmeeffekt (indikativt) Min. heat output (indicative)	P_{min}		0,000		kW
Max kontinuerlig värmeeffekt Max. continous heat output	$P_{max,\,c}$	0,600	1,000	1,400	kW
Tillsatselförbrukning **Auxiliary electricity consumption**					
Vid nominell avgiven värmeeffekt At nominell heat output	el_{max}	0,600	1,000	1,400	kW
Vid lägsta värmeeffekt At min. heat output	el_{min}		0,000		kW
I standby-läge In stand-by mode	el_{SB}		< 0,0001		kW

Typ av reglering av värmeeffekt/ rumstemperatur (välj en) Type of heat output/room temp. control (select one)	
Enstegs värmeeffekt utan rumstemperaturreglering Single stage heat output and no room temp. control	NEJ No
Två eller flera manuella steg utan rumstemperaturreglering Two or more manual stages, no room temp. control	NEJ No
Med mekanisk termostat för rumstemperaturreglering With mechanic thermostat room temp. control	NEJ No
Med elektronisk rumstemperatur- reglering With electronic room temp. control	NEJ No
Med elektronisk rumstemperatur- reglering plus dygnstimer With electronic room temp. control plus day timer	NEJ No
Med elektronisk rumstemperatur- reglering plus veckotimer With electronic room temp. control plus week timer	JA Yes
Andra regleringsmetoder (flera alternativ kan markeras) **Other control options (multiple selections possible)**	
Rumstemperaturreglering med närvarodetektering Room temp. control with presence detection	NEJ No
Rumstemperaturreglering med detektering av öppna fönster Room temp. control with open window detection	JA Yes
Med möjlighet till fjärrstyrning With distance control detection	JA Yes
Med anpassningsbar startreglering With adaptive start control	JA Yes
Med drifttidsbegränsning With working time limitation (operating time limitaion)	NEJ No
Med svartkroppsgivare With black bulb sensor	NEJ No

Welcome!

Thank you for choosing Ebeco. We hope that you will enjoy your electric convector for a long time to come. For the guarantee to apply, the product must be installed and used as described in this manual. It is therefore important that you read the manual.

If you have any questions, please contact us at Ebeco. Call +46 (0)31-707 75 50 or send an email to info@ebeco.se. You'll find more information at ebeco.se.

Guarantee

Ebeco AB provides a 5-year product guarantee for material defects for Wallflex 500.

For more detailed guarantee terms, see ebeco.se.

⚠ Important!

- Do not cover the appliance.

- Some parts of the appliance may become very hot during operation, outgoing air is heated during use of the appliance and can thus cause burns to users. Special attention should be paid if there are children and vulnerable people in the room.

- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental ability or lack of experience and knowledge if they have received supervision or instructions on the safe use of the appliance, and understand the hazards involved.

- Cleaning and user maintenance must not be carried out by children without supervision.

- Children must be monitored so that they do not play with the appliance.

- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified persons to avoid risk.

- Before connecting the appliance to the mains, check whether the voltage indicated on its rating plate corresponds to the voltage referred to.

- Store flammable items such as furniture, pillows, bedding, paper, clothing, curtains etc. at a safe distance of at least 50 cm from the convector.

- Do not use the appliance in areas with the use or storage of combustible substances. Do not use the appliance in areas with combustible media (e.g. near flammable gases). There is a high risk of explosion and fire.

- Do not insert or allow foreign objects to penetrate the ventilation openings (inlet and outlet), because this may cause electric shock, fire or damage to the appliance.

- The convector is intended for indoor use only.

- Dust is the most common cause of the appliance overheating. Clean the ventilation openings regularly using a vacuum cleaner. Disconnect the heater from the mains beforehand.

- Never pull the power cord or the appliance itself to disconnect it from the mains.

- Do not bend the power cord or route it against sharp edges. Do not place the power cord on hot surfaces or above an open fire!

Unpacking

After unpacking the appliance, make sure that the contents are intact and not damaged. Contact the dealer in case of damage or incomplete delivery. Feel free to save the original packaging and use for storage and transport to avoid transport damage. Dispose of the packaging material appropriately.

Installation

Keep in mind that the convector is designed to be used indoors and wall mounted.

Do NOT install the convector:
1. immediately below an electrical socket or power connection box.
2. in "Zone 1" for bathrooms.
3. in "Zone 2" if the control card can be accessed by a person in a shower/bathtub. When installing the convector, the safety distances must be followed.

Install as follows:

- Select the location and mark up its three points for drilling, then drill using an Ø 6 mm drill bit at the marked places on the wall. (Fig. 1). As an aid, use the prepared holes in the packaging, marked + (Fig. 2).

- Select the position on the wall according to the dimensions stated in Figure 1. Open the box and place it against the wall (Fig. 3). Then transfer the marked holes to the wall.

- Insert plastic plugs into the holes or other applicable fastening devices. (Fig. 4)

- Screw in the screws and let them protrude about 5 mm. (Fig. 4)

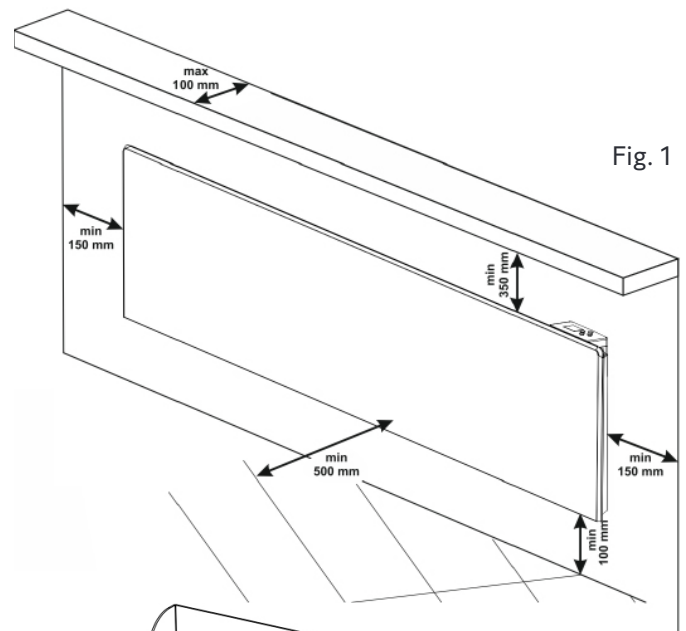- To attach the unit: move the convector to the left (1) and downwards (2), so that the screws end up in the top position. (Fig. 5)
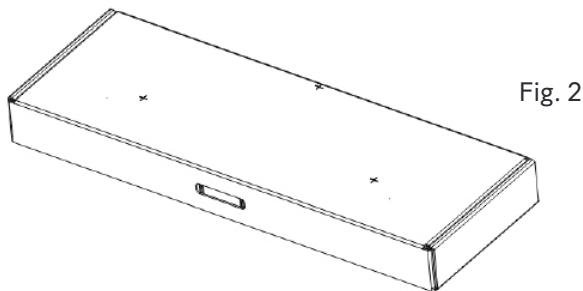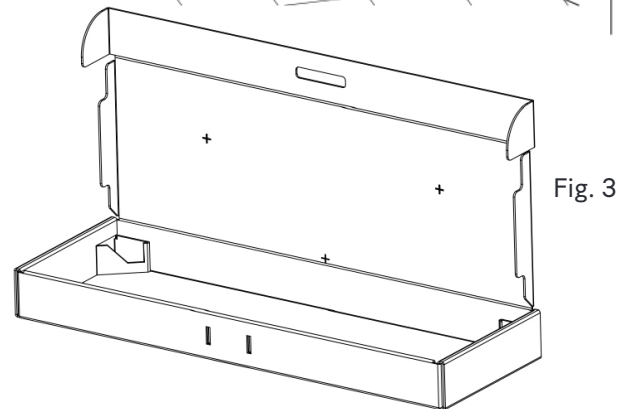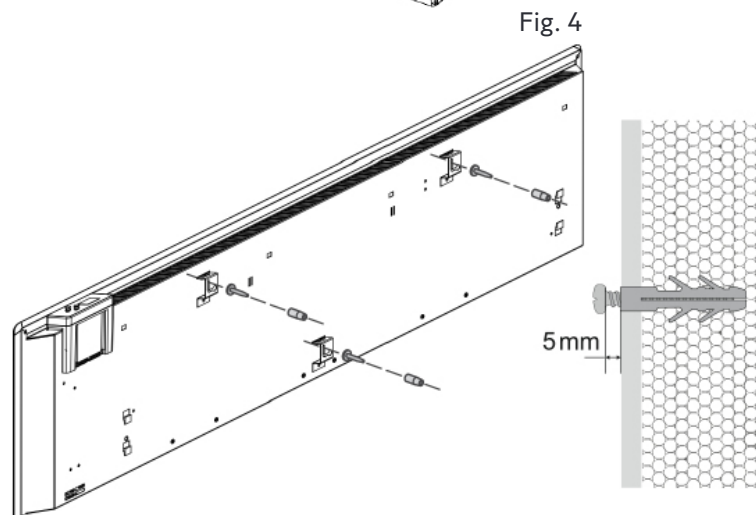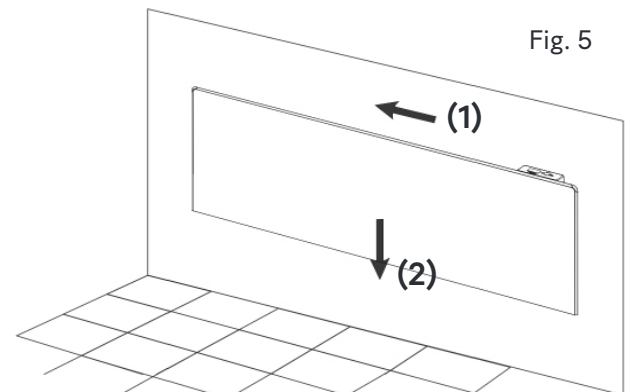
Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Wet rooms

In wet rooms, the convector must be installed in accordance with EU directives and national regulations.*

If the convector is to be used in wet rooms, the following installation requirements must be followed:

The convector has IP24 protection (protection against water droplets) and can therefore be installed in "Zone 2" (see Fig. 6). The distance between the control panel and the water source must be at least 1 metre, in order to avoid the risk of the control panel (thermostat) being reached by a person who is in a shower/bathtub. If you do not feel confident about the installation, it is recommended that an authorised electrician is consulted.

If the above instructions cannot be implemented, it is recommended the appliance is installed in "Zone 3".

In wet rooms, the power source must be installed at a height of at least 25 cm above the floor.
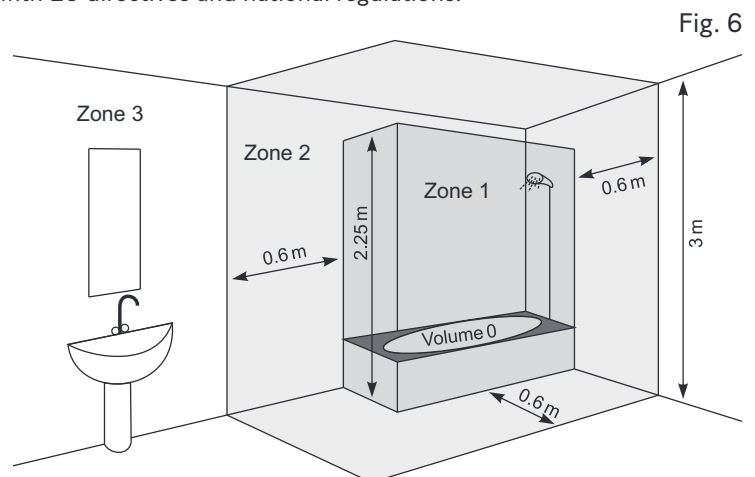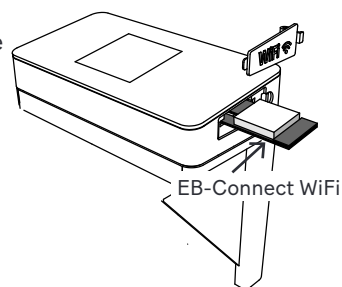
Fig. 6

* EU electrical directives and regulations for special installations and workplaces including bathrooms, shower enclosures IEC60364-7-701.

This is Wallflex 500

Wallflex 500 is a thermostat that is equipped with a 1.8" TFT colour display and capacitive touch surfaces for easy and clear navigation. It has several energy saving programs with individually adjustable times and temperatures. The adaptive function means that the thermostat collects data from the time it is started and uses this to calculate when to switch on. A PI controller keeps temperature fluctuations to a minimum, which gives an even heat.

It includes a ventilation function that switches off the heat for 15 minutes if it detects that the temperature drops by more than three degrees in less than one minute.
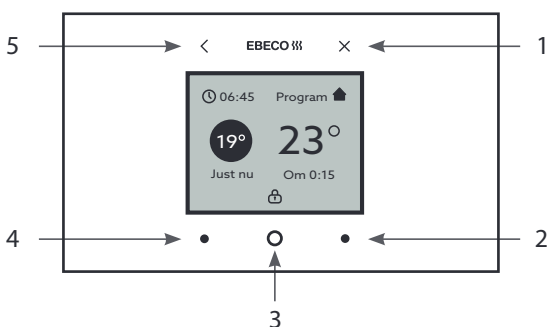
Wallflex 500 is WiFi-ready. By purchasing the EB-Connect WiFi accessory, you can easily control the heat with our app Ebeco Connect or via the open API. The WiFi module is available at your nearest retailer. The app can be downloaded from Google Play and the App Store.

EB-Connect WiFi

Getting started

Wallflex 500 has a built-in start-up guide that takes you through each step in a simple way. When commissioning the convector for the first time, the system will guide you through the most common and important settings that are required.

The thermostat touch surfaces

The thermostat has a number of touch surfaces on the front of the thermostat. These surfaces are marked and are outside the screen itself.

1. On/off/to home screen
2. Scroll up/to the right
3. Menu/confirm
4. Scroll down/to the left
5. Back a step

The thermostat menus

The thermostat's menus and features are listed below, along with explanations.

Main menu: Programme

Not selected	If no program is selected, the thermostat provides constant heat.	Preset to 22° C. Adjustable 5–35°C.
Week	Preset times and temperatures. Individually adjustable.	Mon-Fri Wake up 06:00, 22°C Leave 08:00, 17° C Return 15:00, 22° C Sleep 23:00, 17°C. Sat – Sun Wake up 07:00, 22°C Sleep 23:00, 17°C
Timer	Active	Preset to 22° C. Adjustable 5–35°C
	Standby (can be deactivated)	Preset to 17°C Adjustable (Off) 5–35°C
	Operating time	Preset to 4 h Adjustable 0–99 h
Resetting	Software reset	

Main menu: Energy consumption

Week Time & kWh	Shows the week, kWh and number of hours.
Month Time & kWh	Shows the month, kWh and number of hours.
Year Time & kWh	Shows the year, kWh and number of hours.
Operation (14 days)	Displayed as a bar graph.	The bars indicate the operating period per day.

Main menu: Settings

WiFi	Select network	Displays the selected network and connection status.
	WPS	Wireless Protected Setup
	Reset account	Restores connection to the app.
Time & date	Set the time and date.	For WiFi: set the time zone.
Language	Set the desired language.	Swedish English Norwegian Finnish German
Screen saver	Screen saver with three different styles.	Preset Time & Temp. Adjustable Time & Date None (off)
Keypad lock	On/Off	Preset to Off
Summer time	On/Off	Preset to On adjusts the clock automatically for summer time.

Main menu: Fitter

System info		Displays the settings and calibrations.	
Sensors	Calibration	Room sensor	If required
Features	Adaptive function		On/Off (preset On)
	Ventilation function		On/Off (preset On)
Reset	Reset all		
	Save data		Saving energy consumption. Other settings will be reset.

Operating information

The thermostat display displays operational information.

Operating information

Right now	Display of the current temp.	Room
After X:XX (time in hours until setpoint is reached)	Set	Set point reached.
	Ventilation	The ventilation function switches off the heat for 15 minutes if it detects that the temperature drops by more than three degrees in less than one minute.
Circle	Green	Heating ON
	Red	Heating OFF

Error codes

When a fault occurs, the thermostat switches off the heating. The display will then display an error code.

E1   Short circuit room sensor.

E2   Interruption room sensor

Technical facts

Connection voltage   230 VAC ±10% 50-60 Hz

Setting range	+5°C to +35°C
Power reserve	36 hrs, date and time
Colour	White RAL 9003
Enclosure class	IP24
Approval	CE, S

Overheating protection

The appliance is equipped with a safety device that switches off the heater automatically at extreme temperatures i.e. overheating of the appliance. The unit automatically resets the operation of the heater when the temperature drops below the permissible values.

Cleaning

It is mandatory to first switch off the appliance and, if possible, disconnect it from the power socket before cleaning. You should then wait until the convector has cooled down in the disconnected position. Clean the appliance and its ventilation openings with a damp cloth, vacuum cleaner or brush. In order not to damage the coating, solvents, thin or hard abrasive products should never be used when cleaning. Never immerse the appliance in water as this poses a risk to your life due to electric shock.

Storage

Disconnect the convector from the power socket and then allow it to cool down. Use the original packaging of the appliance when storing for prolonged periods. Store the convector in a dry and dark place and protected from direct sunlight. It must not be stored in damp and wet premises.

Maintenance of the appliance

Contact your dealer in case of malfunction.

Heated surface

Guaranteed minimum heated room volume at the average heat transfer factor λ = 0.5 W/(m2K), at a ceiling height of 2.5 metres.

Part no.	Watt	< m^2	mm*
85 012 01	600	9	342 x 645 x 80
85 012 03	1000	13	342 x 805 x 80
85 012 05	1400	18	342 x 1070 x 80

* Dimensions including wall bracket.

1400 W
1000 W
600 W
342 mm
645 mm
805 mm
1070 mm