EA

Art.nr. 173192-03

GB

USAGE

Safety Information

1. Some parts of the appliance can become very hot and cause burns.
   Particular attention has to be given where children and vulnerable people are present.
2. This appliance may be used by children aged eight years or above, people with physical and mental disabilities as well as those who lack any experience, provided that they have received detailed instructions about the functionality of the appliance and any risks. Children must not play with the appliance.
   Cleaning and maintenance must not be performed by children without proper supervision.
   Children under three years of age should not be near the appliance without constant supervision.
   Children between three and eight years old may only turn on/shut off the appliance if it is located in a suitable position and they have received instructions about the proper course of action, or are being supervised.
   They shall also be informed about possible dangers. Children between three and eight years old may not connect the device, change its settings or perform care/maintenance.
3. All installation work must be carried out by a qualified technician.
4. The appliance **EA** are approved for use in dry damp or wet rooms but not in environments where there is a risk of fire or explosion.

The EA series wall mounted fan heaters comes in five power ranges; 6kW, 9kW, 14kW, 21kW och 30kW.

The heaters can be tilted 0...15° downwards to direct the airflow. Alternatively/additionally the deflector can be used to direct the airflow further downwards. The auxiliary deflector **EALH 10 / EALH 20** can be used to direct the airflow horizontally. It is possible to mount the heater in the ceiling with the standard brackets.

The fan motor can be altered from full speed (MAX) to reduced speed (MIN) by using the switch on the front.

OK2

The fan motor function can be changed from continuously running (|) to intermittent mode ( ).

Intermittent mode means that the fan motor starts when the thermostat switch on and stops when the thermostat switch off, if the external function switch, **OK2**, is in position ◑ or ●.

The **EA** is operated by the use of the **OK2** external function switch, that can be set for three run-modes:
- Fan only (without heating)
- Fan and reduced heating power
- Fan and full heating power

EA30: If the **OK2** is set in the position for full heating power, the fan motor will rotate at **MAX** speed whenever the thermostat is heating. The fan motor speed will return to **MIN** whenever the thermostat stops heating, if the toggle switch is set to the **MIN** position.
If the toggle switch is set to the **MAX** position, the fan motor speed will remain at **MAX** speed all the time.
If the **OK2** is set in the position for reduced heating power, the fan motor speed will remain at the chosen rotating speed **(MIN/MAX)** all the time.

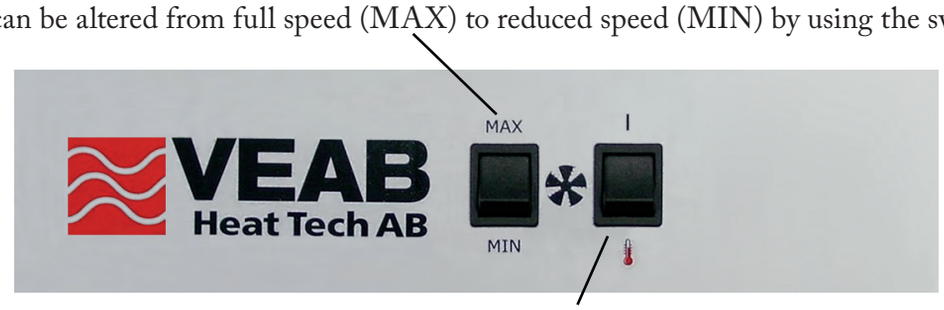
GB

INSTALLATION

The **EA** series wall mounted fan heaters comes in five power ranges, i.e. 6kW, 9kW, 14kW, 21kW and 30kW.

The heaters can be tilted 0...15° downwards to direct the airflow. Alternatively/additionally the deflector can be used to direct the airflow further downwards. The auxiliary deflector **EALH 10 / EALH 20** can be used to direct the airflow horizontally. It is possible to mount the heater in the ceiling with the standard brackets.

The fan motor can be altered from full speed (MAX) to reduced speed (MIN) by using the switch on the front.



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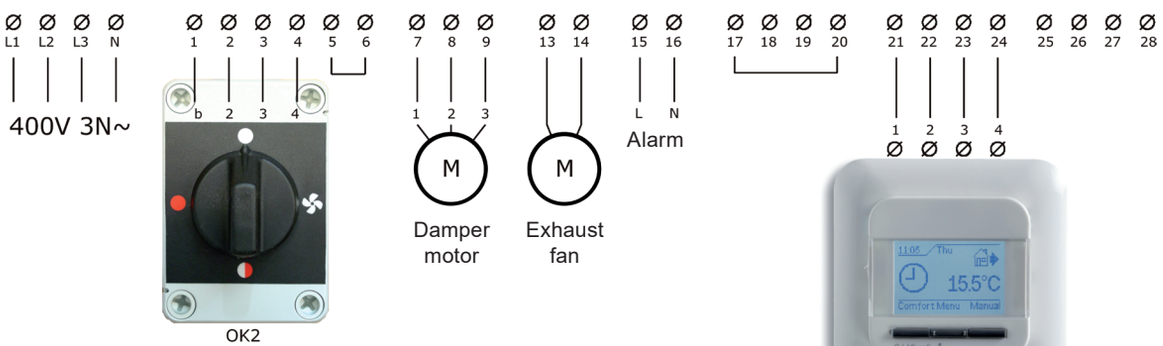
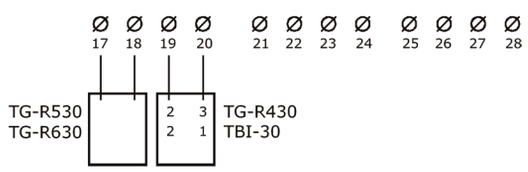
Intermittent mode means that the fan motor starts when the thermostat switch on and stops when the thermostat switch off, if the external function switch, **OK2**, is in position or .

The link at terminals **5** and **6** is only used in the **EA 21** and **EA 30** versions. By removing the link, one contactor (i.e. of the rated power) is disconnected.

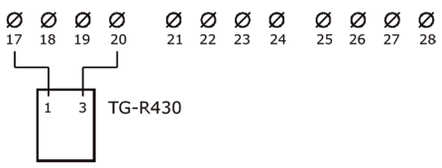


Alternative 1
External electronic thermostat, OCC4/OCD4, with adaptive control function.
Terminals #**17** and #**20** must be linked.

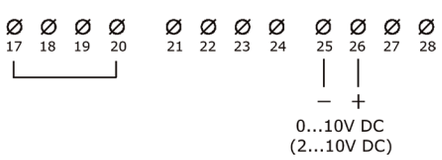
Alternative 2
The heater built-in electronic thermostat is used.
TG-R430 or TBI-30, is used for setpoint value.
TG-R530 or TG-R630, is used as a room sensor.



Alternative 3
The heater built-in electronic thermostat is used.
TG-R430 is used for both the setpoint value and as a room sensor.



Alternative 4
An external excitation voltage 0...10VDC (or 2...10VDC), is used to control the power. Terminals #**17** and #**20** must be linked.
The excitation voltage connects to terminals
#**25** (negative) and #**26** (positive).

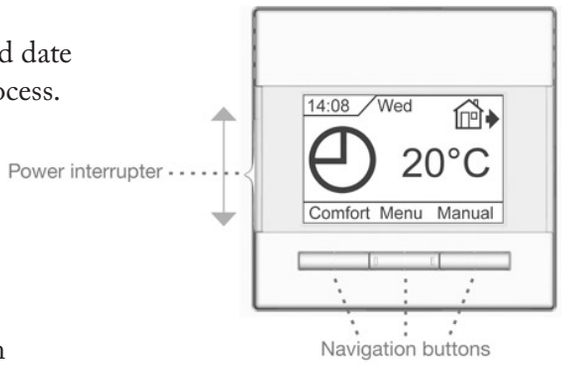


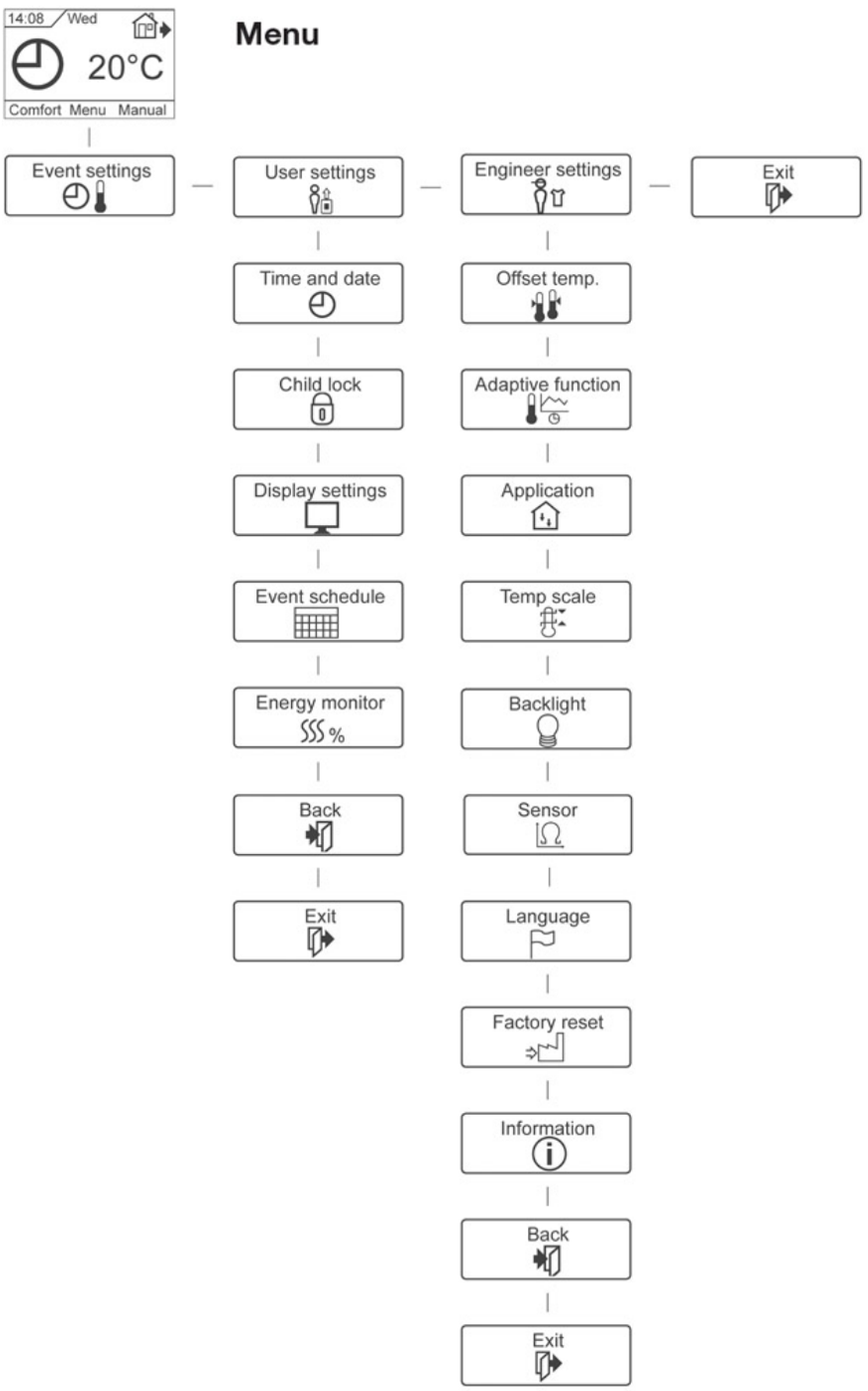
First time settings

The first time you switch the interrupter ON ”I”, language, time and date must be set. The menu will automatically guide you through the process.

- Choose your language with the Up and Down buttons and confirm with OK.
- Set the actual hour and press the OK button. Then set the minutes. Press OK.
- Set the actual date: year, month and day. Confirm the settings with the OK button.

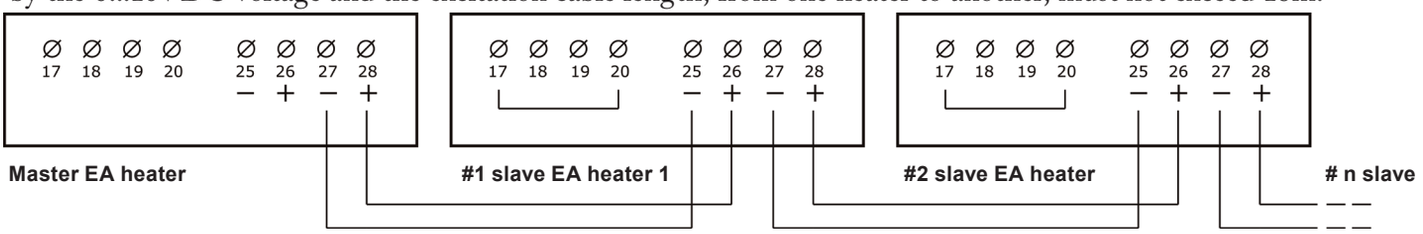
The thermostat is now ready for use and will control your heating in accordance with the pre-programmed event schedule, see Factory settings.
The complete maunual for the thermostat is available at www.veab.com



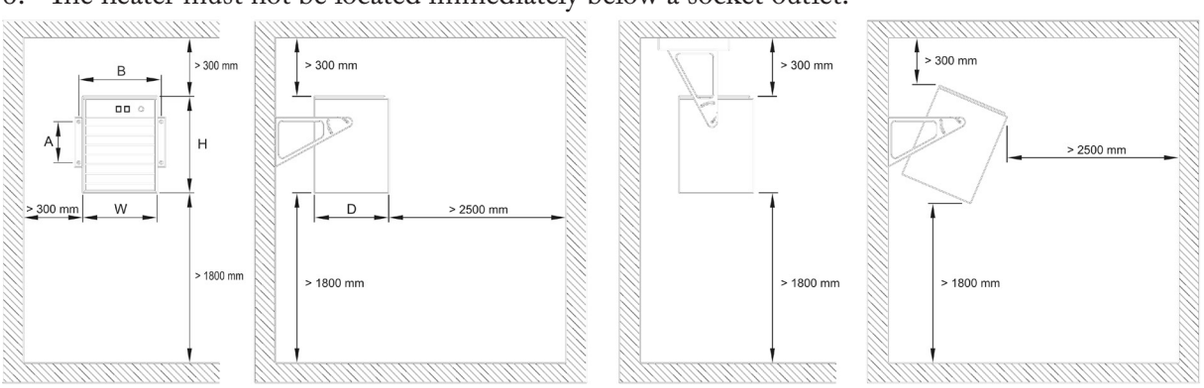


Slave controlling several heaters

One **EA** heater can slave control several other **EA** heaters. The Master **EA** can be controlled either by the OCC4/OCD4, TG-R430 or by a 0...10VDC (2...10VDC) excitation voltage. The slave heaters are cascaded by the 0...10VDC voltage and the excitation cable length, from one heater to another, must not exceed 16m.



1. The **EA** heater series are approved for fixed installation in dry, damp or wet rooms but not in environments where there is risk for fire or explosion.
2. The heater must be connected to the mains supply with a fixed installed round cable, which ensures that the electrical protection class of the heater is retained.
3. An all phase breaker with a contact gap of at least 3mm must be included in the fixed installation.
4. The installation must be carried out by an authorized electrician.
5. The heater is S-marked, CE-marked, EMC-marked and designed in accordance with the following standards EN 60335-1 / EN 60335-2-30 / EN 61000-6-4 / EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3.
6. The heater must not be located immediately below a socket outlet.



Mounting

1. The heater brackets are to be fastened to the wall or to the ceiling with screws. The distances shown in the above sketch are minimum. Distances less then shown may cause fire.
2. The connection box must always be positioned upwards.
3. The heater must not be covered or tampered with, to avoid overheating, fire or electric shock.

Specification

Type	EA 6	EA 9	EA 14	EA 21	EA 30
Rated voltage	400V3N~ 50Hz	400V3N~ 50Hz	400V3N~ 50Hz	400V3N~ 50Hz	400V3N~ 50Hz
Rated power	6 kW	9 kW	14 kW	21 kW	30 kW
Reduced power	3 kW	6 kW	7 kW	14 kW	20 kW
Rated current	8,7 A	13,0 A	20,3 A	30,4 A	43,5 A
A	157 mm	157 mm	220 mm	220 mm	220 mm
B	425 mm	425 mm	600 mm	600 mm	600 mm
W	390 mm	390 mm	555 mm	555 mm	555 mm
H	450 mm	450 mm	600 mm	600 mm	600 mm
D	270 mm	270 mm	375 mm	375 mm	465 mm

Maintenance

No maintenance is required except a periodic functional test and cleaning.

Overheatig

The heater is thermally protected by an overheat cut-out with manual reset, with the the reset button placed on the lid of the connection box.