Termík - X

An addition to radiators (4 to 8 small and very quiet fans) attached from the bottom to the edge, the air is forced to run along the plates of the radiator.
The efficiency will increase up to 3.8 times.
The heating of the rooms is cca 5 times faster.

Caution! Before you start cover the radiator on the top with wet gause to trap the dust from the plates

Technical data and calculations:

1 Termik is most effective up to 40 m3

Supply voltage	DC 12V (Max.15V DC). DC 5.5 x 2.1 mm
Supply current	According to number of fans used 4 Fans = about 360 mA, Electronics = 6 mA
Temperature sensor	NTC power cord about 700 mm
Dimensions	Length = 590 width = 86 height = 30 mm
Flow	about 150 m^3/h at full speed
Consumption	4 fans = approx 4W (1 kWh for 250 hours.)
Consumption season	Heating season about 220 days (daily average of 12 hours) = 2640 hours 4 fans = 4W x 2640 hours = 10.56 kWh
Speed control	Manual knob. 50 - 100%

Very easy installation can withstand a complete layman. The device is attached to the radiator by only four hooks. The specially developed electronics automatically turns on/off the fans-switching at 30 ° C

How is it possible that Termik can save on heating costs?

The principle of heating is the conversion of primary energy (gas and electricity) into thermal energy. This energy we must transfer into a heated room.

In case of el. Heaters is primary el.l energy directly converted into heat energy.
The air flow is the same as the water radiator, without Termik is much lower.
According to our tests, is it possible to heat with the Termik a same room to the same temperature, using only 30% of the power. This means that the original heater with a power in of 2200W, can we reduce power in to 700W with the same heating effect.
By this heater with a heating time of about 8 hours a day is the saving:

2 200W - 700W = 1 500W x 8 hours = 12 kWh daily

Room size 4 x 4 meters with a ceiling three meters high has a capacity of 48 m^3.
Without Termik is the heating about 6 times longer.
Termik helps air flow and sweeps it through the radiator by 150 m^3 of air per hour and distinctly shorts the time required to heat such a room.
Most of the room thermostats are not used to such a rapid rise of temperature.
The thermal sensor is too close to the wall, which is cool.
The ideal is insert between the wall and thermostat a polystyrene foam as insulation.

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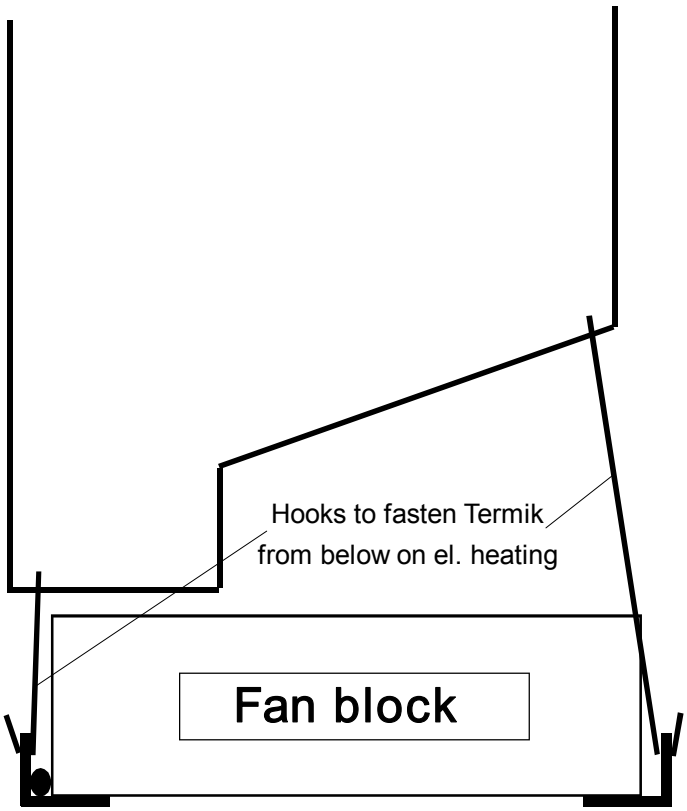
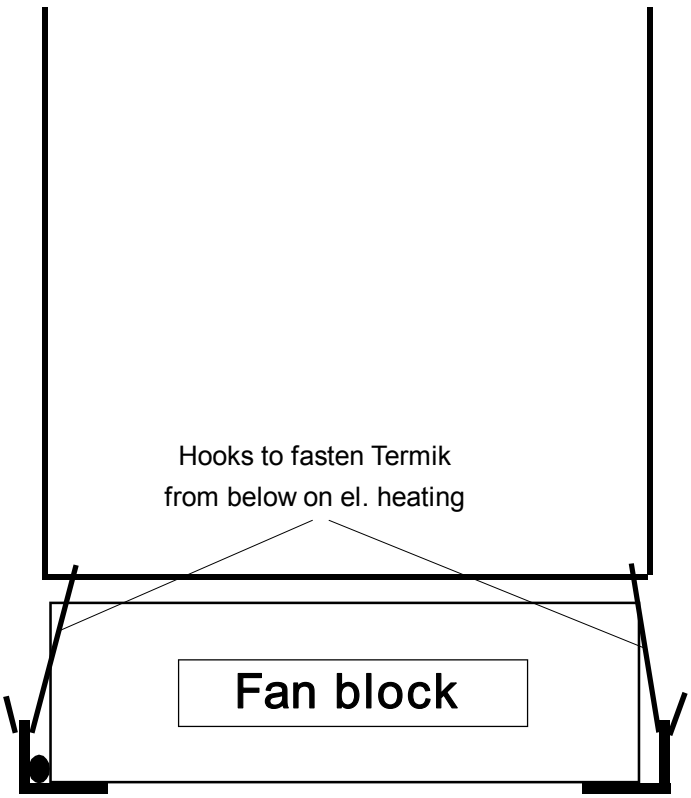
Assembly on electric heaters





Hooks to hang Termik on heaters. Suitable CU wire 1 mm or steel wire 0.5 mm.
After bending the wire according to the drawing rotate opposite wires about 90 degrees as shown in View “A”.
After the suspension is it possible to press ends of the wire according to FIG. 3

Fig. 1

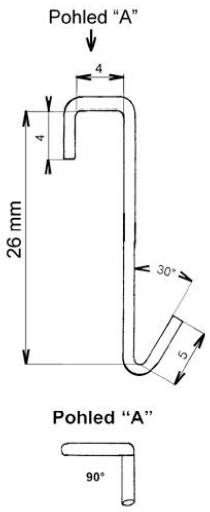


Fig. 2

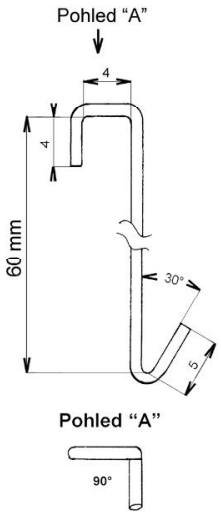
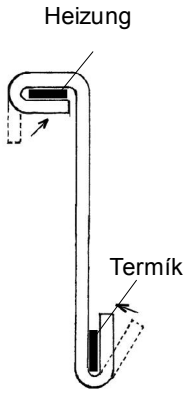
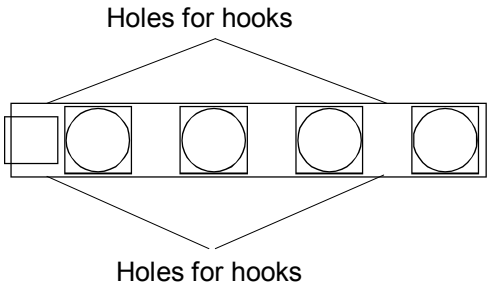
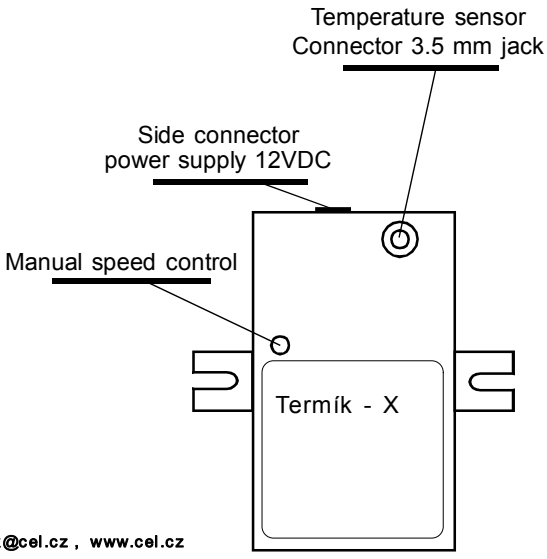


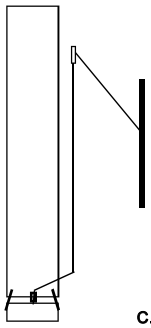
Fig. 3





Control electronic-Box





Temperature sensor glued on the rear side of the radiator so that the cable connector, which is inserted into the control electronics box reaches into the hole to plug.

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