

THERMOSTAT ADJUSTMENT

When the room temperature has been stabilised, the thermostat set position may be adjusted to match actual room temperature. Measure the temperature of the room with an accurate thermometer. Remove the control knob and reposition it so that the indicated temperature line shows the same as the measured temperature.

MAX./MIN. LIMITATION OF ROOM TEMPERATURE

A locking mechanism is positioned behind the control knob to limit the amount of adjustment possible. By loosening the small screw (C) Fig. No 1, the scale range can be locked, e.g. between 20°C and 25°C. The red ring indicates the maximum temperature and the blue ring indicates the minimum temperature.

THERMOSTAT TEMPERATURE SENSOR FAULT DETECTION

- Thermostat **C 501** has an internal function which in case of short circuit or interruption of the temperature sensor switches the heating off.
- Check the temperature sensor resistance, the values should correspond to those given in table Fig. No 6.

WARRANTY

Warranty period for thermostat **C501** is 24 months. Warranty is valid if following documents are presented:

- Warranty coupon (filled in correctly);
- Document of purchase: invoice or receipt;
- The obligation of **Comfort Heat** will be to repair or supply a new unit, free of charge to the customer, without secondary charges linked to repairing the unit.

The **Comfort Heat** warranty does not cover installation made by unauthorised electricians, or faults caused by incorrect designs supplied by others, misuse, damage caused by others, or incorrect installation or any subsequent damage that may occur. If **Comfort Heat** is required to inspect or repair any defects caused by any of the above then all work will be fully chargeable.

The **Comfort Heat** warranty is void, if payment for the equipment is in default.

Warranty coupon (filled in by salesman)

Sale date.....	Salesman			L.S.
	Name	Surname	Signature	
Installation date.....				

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Comfort Heat

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**Electronic thermostat C 501
with floor temperature sensor**



The electronic thermostat **C 501** with floor temperature sensor is designed for heating system control and wall mounted installation. The thermostat is adjustable to required temperatures from +5/+40°C. The LED shows that the heat is ON.

The electronic thermostat **C 501** meets the requirements of the European Council directives. Standards **EN 61000-6-3**, **EN 61000-6-2**, **EN 60 730-1** and **EN 60730-2-9** are applied.

The product is covered by a factory guarantee only when it is installed in accordance with this instruction guide and the current installation guidelines.

If you have any doubts about thermostat failure or defect during transportation and installation, please contact a competent technician immediately.

- Electrical connections should be made as shown in the wiring diagram. (Fig. No 2).
- Mount the backing plate. Use only the round holes.
- The thermostat can now be filled into the wall box.
 - screw back frame and cover;
 - put back the temperature control knob.

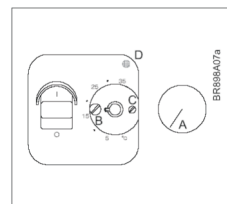


Fig. No 1

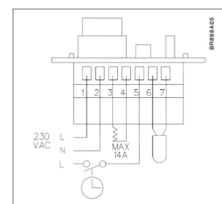


Fig. No 2

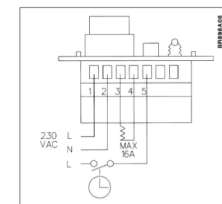


Fig. No 3

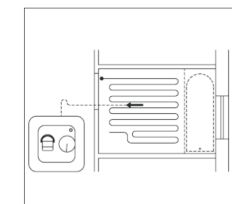


Fig. No 4

TECHNICAL DATA

Voltage	230V AC; +10/-15%; 60-50Hz
Power consumption	6VA
Max. fuse	16A
Built-in switch	2-pole, 16A
Output relay - make contact	SPST-NO
Load	14A, 3200W
Regulation principle	ON/OFF
Temperature scale	5/+40°C
ON/OFF difference	0.4°C
Setback temperature	variable 2-8°C
Scale limitation	Min./max.
Operating temperature	0/+50°C
Protection class	IP 21
Dimensions(HxWxD)	80 x 80 x 50mm

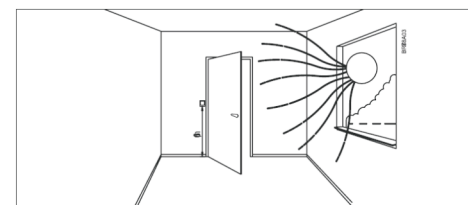


Fig. No 5

Type ETF-.99		BR889A08
Temp.(°C)	Value (ohm)	
-10	64000	
0	38000	
10	23300	
20	14800	
30	9700	

Fig. No 6

MOUNTING OF FLOOR SENSOR

(See Fig. No 4)

Place the floor sensor in an approved non conductive installation pipe in accordance with EN 61386-1, which is embedded in the floor (Fig. No 4). The pipe end is sealed and placed in the concrete layer as close as possible to the surface. The installation pipe must be centred between the heating cable loops. Sensor cable can be extended by up to 50 m by means of a separate cable.

TEMPERATURE SETTING

Electronic thermostat C 501 has a scale range of +5/+40°C. The thermostat has an LED (D) which will glow RED when the heating is ON. The thermostat should be set at maximum temperature setting until the desired temperature of the room or floor is achieved. The control knob should then be turned back until the LED goes out. Fine adjustments can be made over the following 1-2 days to suit individual requirements.

Electronic thermostat **C 501** is a class **II** device (reinforced insulation) and must be connected to the following conductors:

- Live (F/L1),
- Neutral (N/L2).

MOUNTING OF THERMOSTAT

(See Fig. No 1-3)

- Remove the control knob (A) (Fig. No 1).
- Screw should be unscrewed and the cover lifted off (B) (Fig. No 1).

