

INSTALLATION AND OPERATING INSTRUCTIONS THERMODOM SEAT HEATING (Type EFB.....)

1) GENERAL, WARNINGS

"carlo" Thermodom seat heaters are electric heater covers for heating seats of pews. They are fixed heaters for dry rooms, however they are for heating a seat rather than a room.



Attention: The "carlo" Thermodom seat heaters do not have an overheat limit device. Therefore, they must not be constantly covered. Non-observance would cause a build-up of heat - risk of fire! Unsupervised use is not permitted.

Keep children under the age of 3 away from the appliances or ensure they are supervised at all times. Children between the ages of 3 and 8 are only allowed to switch the appliance on and off when supervised or instructed in the safe usage of the appliance and have understood the resulting risks, assuming that the appliance is positioned or installed in its normal position for use. Children between the ages of 3 and 8 are not allowed to plug in the appliance, regulate it, clean it and/or perform user maintenance.

Caution: Do not insert sharp objects! Any form of mechanical damage, e.g. embedded foreign objects, cuts, etc. can expose live parts. DO NOT BEND.

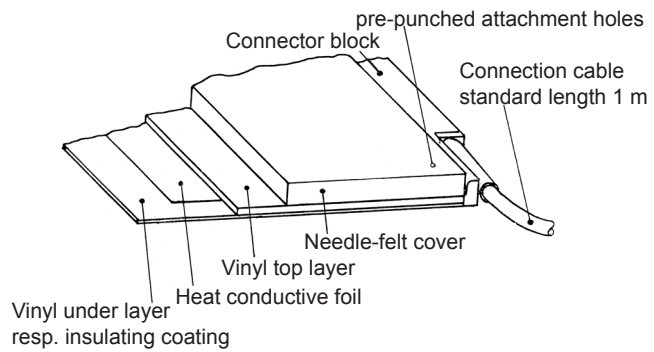
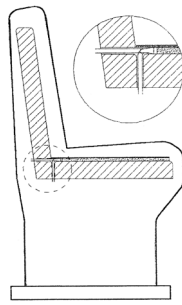
The electrical connection must only be performed by a qualified electrician. Please read carefully and follow the instructions and recommendations in Points 1 - 7. Power supply: 230 V 50 Hz

2) INSTALLATION

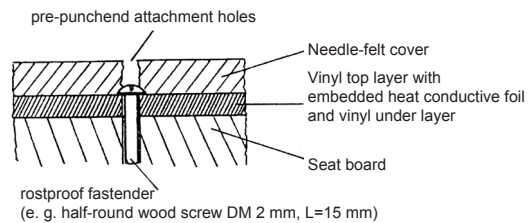
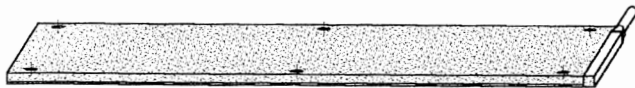
The larger "carlo" Thermodom seat heaters are delivered rolled together. To prevent damage, the seat heaters must only be unrolled when warm (at least 15 °C). "carlo" Thermodom seat heaters must only be laid out on flat church pews. Ensure there are no protruding nails or screw heads. No work must be performed on the seat heaters (e.g. drilling, cutting, etc.) as this can lead to exposure of the live parts. Consider: The seat heaters operate with a voltage of 230 V!

The seat heaters must not be mounted directly beneath a wall socket.

In larger arrangements, constructed precisely according to the seating, the seat heaters are numbered on the back of the connection strips. The seat heaters must be arranged on the appropriate pews according to this numbering. The seat heaters are fixed heating elements. Placing them loosely on the pews is not permissible. The seat heaters must be fixed with corrosion-resistant round head woodscrews (2 mm diameter, at least 15 mm long) or bolts (with 2 mm diameter) through the factory pre-punched attachment holes.



Place the "carlo" Thermodom seat heaters on the seats and mark the position of the hole for the cable to pass through (either through the backrest or through the seat). Make the hole for the cable to pass through, place the seat heater onto the seat and thread through the cable. Secure the seat heating to the pew using corrosion-resistant fastening elements (brass screws or stainless steel nails). Fasten the screws or nails into the pre-punched holes until they are flush in the vinyl assembly. The pre-punched areas can be seen easily on the backs of the mats. The holes are closed by the soft, elastic felt, preventing clothes from becoming snagged and rendering the fastening elements invisible.



3) ELECTRICAL CONNECTION

The electrical connection must only be carried out by a qualified electrician. The valid regulations for the installation of high-voltage systems with a nominal voltage up to 1000 V (EN Parts 1-4) must be adhered to during assembly and installation. An all-pole isolator with at least a 3 mm contact opening must be installed for fixed connections to the mains (e.g. automatic circuit breaker, earth leakage circuit breaker). Before installation, it must be checked that the mains voltage conforms to the given working voltage on the specification plate.

The "carlo" Thermodom seat heaters are equipped with 1 m connecting cable H03VV-F 2x0.75 mm². If the supply cable is damaged, this must be replaced in the factory by the manufacturer to prevent risks.

The cable must be placed on the inner side of the pew side and preferably covered with a profiled wooden strip. Then the electrical connection should be fed into the distribution box. The electrical connection must only be carried out on site by a qualified electrician. The valid regulations for the installation of high-voltage systems with a nominal voltage up to 1000 V must be observed during assembly and installation. An all-pole isolator with at least a 3 mm contact opening must be installed for the fixed connections to the mains (e.g. automatic circuit breaker).

Technical data:

EFB.....

Nominal voltage: AC 230 V

Nominal power: 30-400 W (60 W/m)

Protection class: II (insulated)

Protection class: IP 41 (splash-proof)

4) FIRST COMMISSIONING

Before commissioning for the first time, check that the mains voltage conforms to the given working voltage on the specification plate. With new seat heating pads, there may be a light odour to begin with, but this will subside after a short time! Damaged heating elements must not be used.

5) HEATING, SAFETY, MAINTENANCE

Attention: The "carlo" Thermodom seat heaters do not have a temperature regulator. The "carlo" Thermodom seat heaters must not be covered to prevent them from overheating. Constant covering with heavy textiles impervious to heat (items of clothing, etc.), even if only partly, can lead to overheating - risk of fire.

The power output of the "carlo" Thermodom seat heaters is dimensioned so that the felt surface temperature of the heating element rises by approx. 20 °C. An external temperature regulator or heating time limiter is permitted.

The "carlo" Thermodom seat heaters conform to the relevant safety regulations for electrical appliances. Check the correct functioning at regular intervals (e.g. in the course of the weekly cleaning) (ÖVE-E5 Part 1/1989 and ÖVE-EN50110). The duty to perform the reoccurring test of the electrical equipment of the heating facility in accordance with § 12.1.6 is fulfilled when the appliance is tested at least once per year using cleaning and testing measures, at best before the start of the heating period.

Keep children under the age of 3 away from the appliances or ensure they are supervised at all times.

Children between the ages of 3 and 8 are only allowed to switch the appliance on and off when supervised or instructed in the safe usage of the appliance and have understood the resulting risks, assuming that the appliance is positioned or installed in its normal position of use. Children between the ages of 3 and 8 are not allowed to plug in the appliance, regulate it, clean it and/or perform user maintenance.

The "carlo" Thermodom seat heaters do not require maintenance. However, care must be taken to ensure that damaged mats are not used. Therefore, the "carlo" seat heaters must be checked for damage and embedded foreign objects at regular intervals before use. To do this, isolate the heating mats from the power supply and prevent them from being switched on again.

Use must be stopped immediately if there are any signs of damage, e.g. cuts, breaks, broken connection strips, defective connecting cables, etc. The seat heaters can be returned to the manufacturer, however, who will decide whether a repair is possible. Repairs must only be carried out by the manufacturer.

Cleaning:

The top of the seat heating is made up of the felt cushion attached to a heating element. This can be brushed off when dry.

6) DESIGNATION, CE CONFORMITY

The "carlo" Thermodom floor seat heaters conform to the relevant safety regulations for electrical appliances for home use and similar purposes.

Checked and certified in accordance with:

ÖVE/ÖNORM EN 60335-1:2012-11-01
OVE EN 60335- 1/A11:2016-07-01
ÖVE/ÖNORM EN 60335-2-30:2013-03-01
ÖVE/ÖNORM EN 62233:2009-01-01

ÖVE/ÖNORM EN 55014-1:2012-06-01
ÖVE/ÖNORM EN 55014-2:2016-02-01

ÖVE/ÖNORM EN 61000-3-2:2015-04-01
ÖVE/ÖNORM EN 61000-3-3:2014-04-01



Zertifikat Nr.: 55-026-17

This certificate forms the basis for the EC Declaration of Conformity and CE marking by the manufacturer or his authorised person, and confirms conformity with the standards named in the **EC Low Voltage Directive 2014/35/EU**.

These installation and operating instructions must be stored carefully and passed on with the "carlo" Thermodom seat heaters in the event of a change of user or owner.