

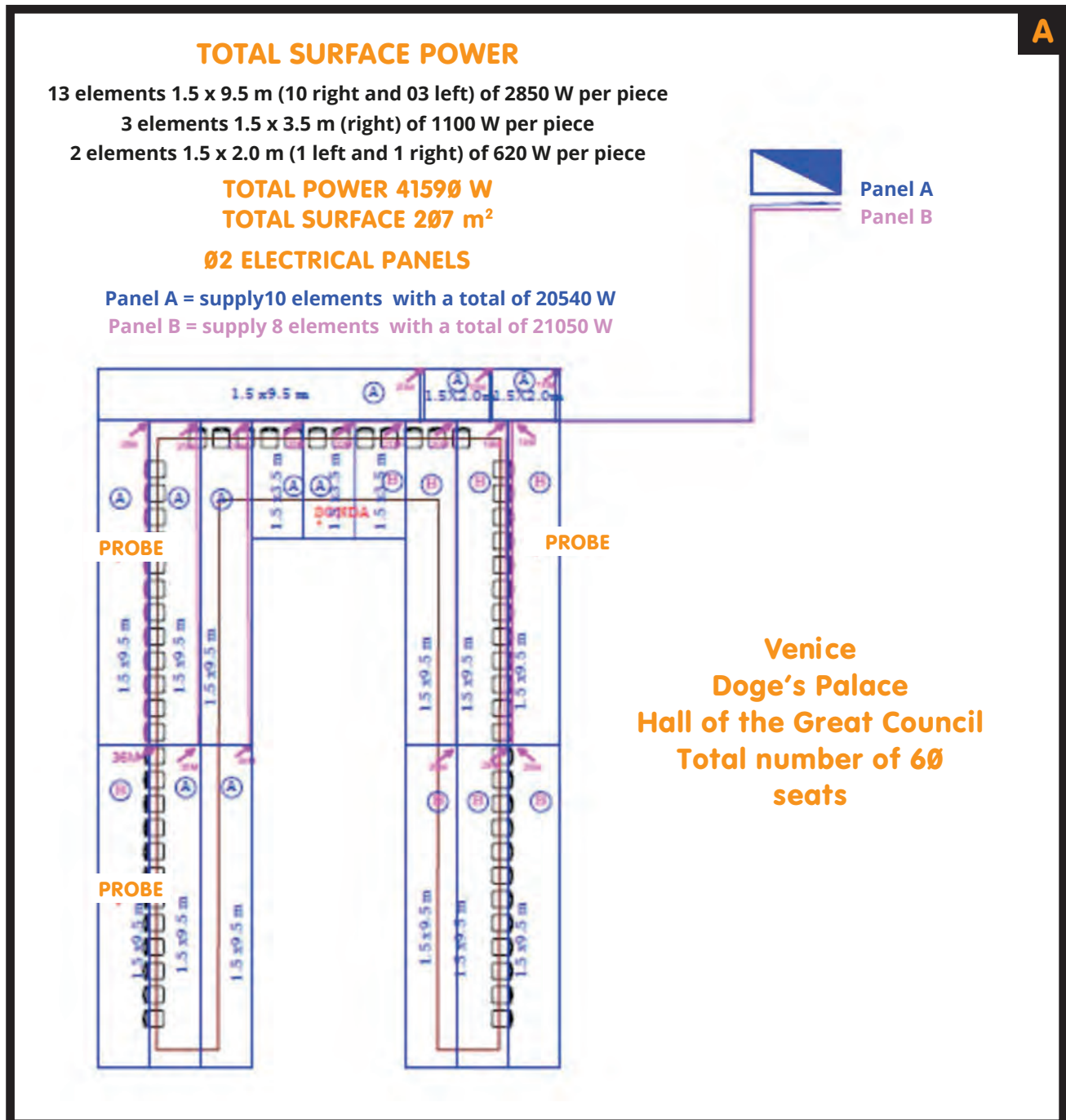


# Mounting Instructions for Modular Undercarpet Heating System for Indoor

art. STM.X

## MONTAGE GUIDE

**WARNING:** installation operations must be performed by specialised personnel.



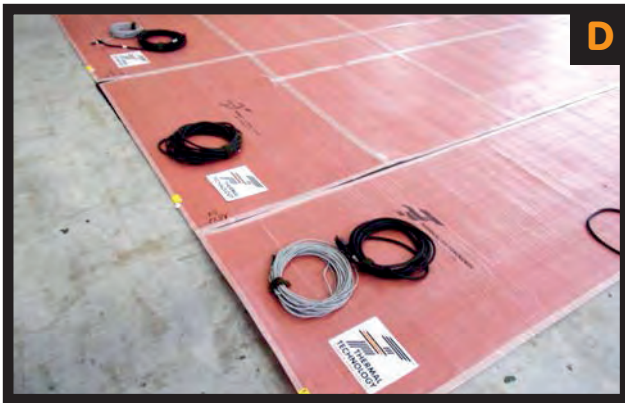
A. Before start it is essential to know exactly how the heating elements must be placed. Follow a diagram with the indication of element location, power supply points, connection to the temperature control probes and power cord lengths. An example is presented in the diagram above.



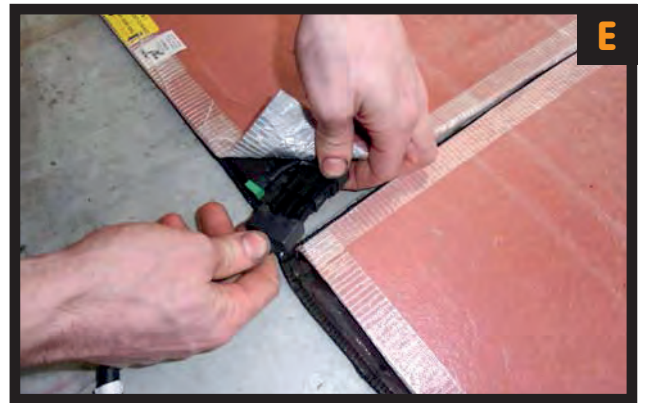
**B.** At the beginning lay down the elements for thermal insulation and floor protection, make sure the installation surface is flat and clean. The elements must be laid side by side, they must not overlap and/or fold upon each other, the elements must not be larger than the surface to be heated.



**C.** Place the heating elements over the thermal insulation.



**D.** Place the power extension cords the way it is indicated in the diagram.



**E.** Connect each heating element with appropriate power cord. Connect the temperature probe extension cord, where indicated.



**F.** Pass the cords under the element's boards, or between two elements, where possible.



**G.** The cables must be grouped in the point indicated on the project, and an appropriate protection duct must cover them until electric board.



H. Close the duct using the lid and wrap it using the elastic and anti-slippery material, both provided.



I. Connect the power cords and probe cords to the appropriate circuits on the electric board



J. Adjust the desired temperature.



K. Once verified the functioning of all the elements, place the moquettes using common bi adhesive band.

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLES AND CONNECTORS	DIMENSIONS (cm)
STM.X	230 Vac 50/60 Hz	200 W/m <sup>2</sup>	Reaction to fire 1 <sup>ST</sup> class	NTC probes Electronic control unit	H07 RNF 3G power supply cable	Length 950 Width 150 Thickness 0,9

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## WARNINGS

- Relays, cables and differential switches must be sized basing on the nominal power sum of each element.
- A device able to interfere and section the power line in case of short circuit must protect the circuit. It must be inserted a "lifesaving" differential switch  $I_d \leq 30\text{mA}$  or an isolation transformer.
- The device is not intended to be used by persons (children included) whose physical, sensorial or mental capacities are reduced, or with lack of experience and knowledge, unless they can obtain instruction referring on equipment using from a person responsible of their safety.
- Keep away from children.
- Stop using the system if one or several power cable are damaged. Only qualified personnel, indicated by the manufacturer or distributor, should replace the cables.

## CAUTIONS

- Do not pierce, cut or damage the heating element.
- Do not pour liquids on it.
- Do not burn.
- Do not install heating elements on disconnected surfaces.
- Do not power heating elements wrapped on itself.
- Do not install outdoor.
- Supply only at indicated voltage.
- Heating elements must not be installed at small distance from another source of heat, as fireplaces, or even lighting.
- Contact the manufacturer if you want to use other materials than those indicated by the manufacturer.
- Do not install the heating elements for usage in temperature conditions inferior to  $-30^{\circ}\text{C}$ .
- Heating elements must be installed at a distance of at least 30 mm from any conducts present in the room (including gas-methane tubes, if protected by sheath or cement/plaster).

### IN CASE OF DOUBT OR FOR ANY TECHNICAL INFORMATION CONTACT THE SUPPLIER

The manufacturer declines all responsibility in case of improper use.



Adequate for installation under floor



Do not burn



Do not install on disconnected surfaces



Do not wash



Equipped with double insulation

## SAFETY REGULATIONS

- The device must be supplied exclusively at AC 230V 50Hz voltage.
- Do not make any reparations. In case of short circuit or damage, please contact the manufacturer.
- Qualified personnel must perform connection of the heating system to the electric grid.
- ATTENTION!!! Electric shock risk!
- Close (insulate) the connectors before supplying the circuit.

## CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.



Do not dispose the product, in order to avoid harming people or damaging the objects. In order to facilitate the recycling of the components/materials and protect the environment, bring the product to the proper recycling centre. Product disposal into the environment is sanctioned in accordance to the legislation in force.

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