

I-WARM 720 programmable thermostat, which automatically reduces or turns off the heating when it is not necessary, is especially energy efficient. If time-of-use electricity metering is available, such programmable thermostat allows for maximum benefit.

If you have to be away for a long time in cold season, we recommend you not to turn the heating off but set a minimal heating level. In this case the system consumes little power, the premises will not be chilled up completely, and will heat up again more rapidly when you return.

You can get as much as 50 % of energy saving with correct choice of Green Box floor heating system.

Heating cable shall be put at, min, 50 mm from the walls, furniture without legs and other objects preventing effective heat emission into the air.

When putting the heating cable avoid direct contact of it and heat-insulation if the insulation is corrosive, absorbent or inflammable.

Avoid contact with oil, grease and other similar substances when installing the heating cable.

Shielded conductor of the mounting cable shall be permanently and securely connected to the grounding clamp in the service box or to the corresponding clamp of the thermostat.

Minimal installation temperature is -5°C .

8. Your Safety

- You cannot shorten fabricated heating cable sections or make alterations in the heating section design.
- You cannot change feeding (mounting) cables on your own breaking manufacturer-made connections in a box.
- You cannot make any alterations in the thermostat design.
- You cannot, even temporarily, connect rolled up or spooled heating cable sections to the power supply.
- You cannot perform any installation or repairing works with power turned on.
- You cannot connect heating sections to electrical power lines with improper working voltage (see certificate or packing).
- You cannot use the same section to heat rooms of different types, e.g. bathroom and hallway or kitchen. Also do not use the same section to heat rooms with different floor types. Independent floor heating sections with separate thermostats are necessary for such rooms.
- You cannot use this floor heating set without minimal adhesive mixture layer which would fully cover the heating cable.
- Carefully apply even layer of adhesive mixture along all the floor with the heating section, avoiding air voids around the heating cable which would impede heat emission.

- ❑ You shall not cover the floor areas with Green Box system installed with thermal insulation materials (carpets, blankets and so on).
- ❑ You should not drive in nails, dowels or screws in floors with installed heating sections.

In case of violation of any of these requirements, the manufacturer disclaims all the warranty liabilities.

9. Warranty Certificate

GREEN BOX 16-YEAR WARRANTY

GREEN BOX 16-YEAR WARRANTY DOES NOT EXTEND TO THERMOSTATS, WHICH ARE COVERED BY A ONE-YEAR GUARANTEE FROM THE DATE OF ORIGINAL PURCHASE.

GOVERNING LAW. Unless otherwise governed by applicable state law, this warranty shall be interpreted and enforced in accordance with the laws of Russian Federation.

This 16-Year GREEN BOX applies:

1. Only to the original homeowner(s) from the date of purchase
2. Only if the unit is registered with SST, LLC within thirty (30) days after purchase. Filling out the card accompanying this warranty in its entirety will complete registration. In the event of a claim, proof of purchase is required, i.e. invoice and receipt. Such invoice and receipt should state the exact model that was purchased.
3. Only for the duration of the Lifetime of the floor covering under which it was originally installed if the purchaser of the heater remains the owner of the residence in which it was installed. If the original purchaser sells such residence, the warranty will transfer and continue for the duration of the 16 years from date of purchase.
4. Only if the heater has been grounded and protected by a GROUND FAULT CIRCUIT INTERRUPTOR (GFCI) at all times.

COVERAGE

- 1) The warranty period begins on the date of purchase.
- 2) GREEN BOX underfloor system is guaranteed by SST, LLC to be free from defects in materials and workmanship under normal use and mainte-

nance for sixteen (16) years, provided the Product is installed in accordance with the accompanying GREEN BOX installation manual, any special written design or installation guidelines by Special Systems and Technologies, LLC for a particular project, the National Electrical Code (NEC), the Canadian Electrical Code (CED), and all applicable local building and electrical codes.

3) Provided GREEN BOX heaters are installed under ceramic tile, marble and natural stone surfaces.

4) During the period of Warranty, SST, LLC will arrange for the heater to be repaired or (at its discretion) have parts replaced free of charge. The costs of repair or replacements are your only remedy under this Warranty. Such cost does not extend to any cost other than direct cost of repair or replacement by SST, LLC and does not extend to costs of relaying, replacing or repairing any floor covering or floor.

5) If GREEN BOX determines the repair of the product is not feasible; we will replace the product with equal or similar features and functionality at SST, LLC sole discretion. GREEN BOX MAXIMUM LIABILITY IS LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE HEATER MULTIPLIED BY THE PERCENTAGE OF THE WARRANTY PERIOD REMAINING.

See over for «Exclusions»

EXCLUSIONS

SST, LLC shall in no event be liable for incidental or consequential damages, including but not limited to extra utility expenses or damages to property. This Warranty is null and void if:

1) The floor covering over the heater(s) is damaged, lifted, replaced, repaired or covered with subsequent layers of flooring.

2) The heater fails due to damage caused during installation or tiling, unless damage is caused directly by an employee of SST, LLC. It is therefore essential to check that the heater is working (as specified in the installation manual) prior to tiling.

3) Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere or other conditions beyond the control of SST, LLC.

4) Use of components or accessories not compatible with GREEN BOX heaters.

5) Parts not supplied or designated by SST, LLC.

6) Damage or repair required as a result of any improper use, maintenance, operation or servicing.

7) Failure to start due to interruption and/or inadequate electrical service

8) Any damage caused by frozen or broken water pipes in the event of equipment failure.

9) Changes in the appearance of the product that does not affect its performance.

10) The owner, or his/her designated representative, attempts to repair the product without receiving prior authorization from SST, LLC. Upon notification of a repair problem, SSTLLC will issue an Authorization to Proceed under the terms of this Warranty.

If GREEN BOX is required to inspect or repair any defects caused by any exclusions referenced above, all work will be fully chargeable at SST LLC inspection and repair rates then in effect.

SST LLC DISCLAIMS ANY WARRANTY NOT PROVIDED HEREIN, INCLUDING ANY IMPLIED WARRANTY OF THE MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. SST LLC FURTHER DISCLAIMS ANY RESPONSIBILITY FOR SPECIAL, INDIRECT, SECONDARY, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING FROM OWNERSHIP OR USE OF THIS PRODUCT, INCLUDING INCONVENIENCE OR LOSS OF USE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE OF THIS DOCUMENT. NO AGENT OR REPRESENTATIVE OF SST LLC HAS ANY AUTHORITY TO EXTEND OR MODIFY THIS WARRANTY UNLESS SUCH EXTENSION OR MODIFICATION IS MADE IN WRITING BY A CORPORATE OFFICER.

DUE TO DIFFERENCES IN BUILDING AND FLOOR INSULATION, CLIMATE AND FLOOR COVERINGS, SST LLC MAKES NO REPRESENTATION THAT THE FLOOR TEMPERATURE WILL ACHIEVE ANY PARTICULAR TEMPERATURE OR TEMPERATURE RISE.

TERMS AND CONDITIONS

Shipping Discrepancies:

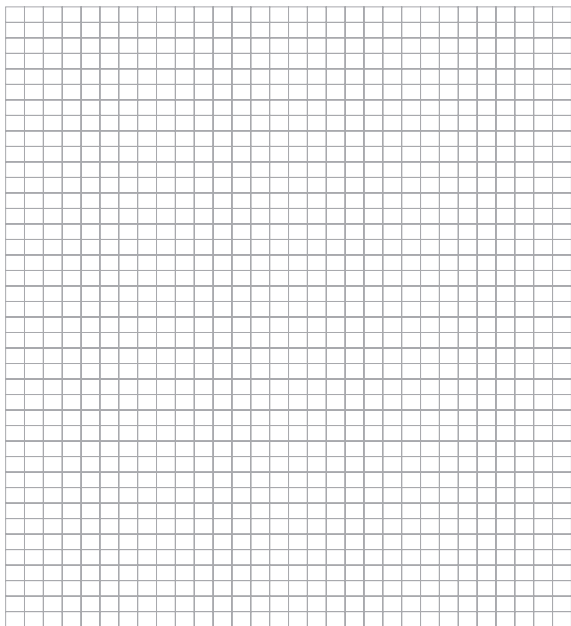
Incoming materials should be inventoried for completeness and for possible shipping damage. Any visible damages or shortages must be noted prior to accepting the material. Any discrepancy concerning type or quantity of material shipped, must be brought to the attention of your GREEN BOX reseller within 15 days of the shipping date entered on the packing slip for the order.

Miscellaneous:

The terms of this Limited Warranty are exclusive and supercede any other warranty or terms and conditions relating to the subject matter whether included in a purchase order for this product or in any other document or statement.

10. Plan of the Premises

Plan of the Premises with marked up thermostat, heating section, splicing and terminal boxes locations for the purposes of installation works and troubleshooting.



Legend:



Heating section

Tube for Sensor of temperature



thermostat



Coupling muff



Sensor of temperature



Termination muff

Section R.....Ω

Probe R.....Ω

11. Appendix

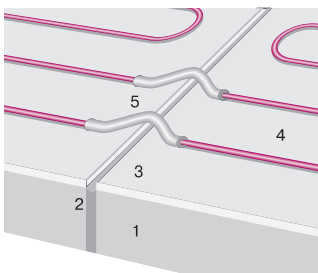
Choice of Heating Section

To choose your section it is necessary to know your *heated area** and rated maximum current in your electric grid. Specifications for Green Box heating sections and layout parameters for the heating cable are given in the table on page 35.

Temperature Compensating Joints

When heating sections shall pass through a temperature compensating joint of the building, to avoid damages to the sections they shall be put in bent pieces of steel pipes filled with sand.

- 1 — subfloor (slab)
- 2 — functional joint
- 3 — heat-insulation
- 4 — heating section
- 5 — bent steel pipes filled with sand

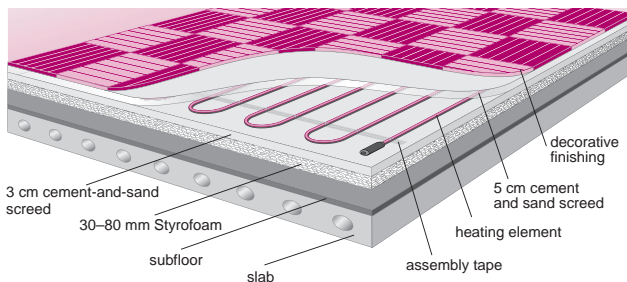


* Cable layout area without walls, furniture and other heating equipment spacing.

Heated area*, M ²	Connection diagram	Total power, W	Max. current, A	Spacing, cm
0,9-1,2	GB150	140	0,7	8,5-11,9
1,4-1,7	GB200	210	1,0	8,5-10,2
1,8-2,4	GB150+GB150	280	1,4	8,5-11,9
2,3-2,7	GB150+GB200	350	1,7	8,5-10,2
2,8-3,4	GB200+GB200	420	2,0	8,5-10,2
2,9-3,9	GB500	490	2,3	8,5-11,9
3,7-4,4	GB150+GB200+GB200	560	2,7	8,5-10,2
4,3-5,2	GB200+GB500	700	3,3	8,5-10,2
5,2-6,2	GB150+GB200+GB500	840	4,0	8,5-10,2
6,7-7,9	GB1000	980	4,6	8,5-10,2
7,6-8,9	GB150+GB1000	1120	5,3	8,5-10,2
9,0-10,6	GB150+GB200+GB1000	1330	6,3	8,5-10,2
9,6-11,4	GB500+GB1000	1470	6,9	8,5-10,2
10,4-12,4	GB150+GB500+GB1000	1610	7,6	8,5-10,2
11,0-13,1	GB200+GB500+GB1000	1680	7,9	8,5-10,2
13,4-15,9	GB1000+GB1000	1960	9,2	8,5-10,2
14,3-16,9	GB150+GB1000+GB1000	2100	9,9	8,5-10,2
14,9-17,6	GB200+GB1000+GB1000	2170	10,2	8,5-10,2
16,3-19,3	GB500+GB1000+GB1000	2450	11,5	8,5-10,2
20,1-23,8	GB1000+GB1000+GB1000	2940	13,8	8,5-10,2

Choice of heat-insulation

In case of installing the system in cement-and-sand screed, we recommend you to put a layer of hard heat-insulating material (Styrofoam), 30–80 mm in thickness, on a subfloor and then a 5 cm screed. Next, an assembly tape is fixed, and installation works continue as described in paragraph 5 above. Floor cross-section:



When Green Box system is to be installed under tiles, heat-insulation is not allowed since it can lead to cracks in the 5–8 mm adhesive solution layer above the heating cable.

