Customer & Contractor Checklist
Requirements For Installation and Operation

Electric infrared heaters are made to be used long term, and following the below instructions will ensure the installation has been done correctly to ensure the longevity of the heaters purchased.

Please take the time to read this and follow each step below with your electrical contractor before the installation and it will lead to a successful operation as well. Thank you for your purchase and for allowing Heating Green to provide you with great heating products!

- ☐ 1. MEASURE VOLTAGE ON-SITE PRIOR TO ORDERING:
    - ☐ Electrical panels can often be mislabeled and the voltage of the electrical service and the infrared heater need to match, i.e. a 208v electrical panel and a 208v heater. Failure to do so will lead to poor heat output, will void any warranty, and the heater(s) cannot be returned. We document the verified voltage that you provide to us via email only, and then ship the heaters based on the voltage provided.
- ☐ 2. MEASURE THE VOLTAGE PRIOR TO INSTALLING TO ENSURE THE HEATERS HAVE BEEN MANUFACTURED FOR THE VOLTAGE GIVEN TO HEATING GREEN.
    - ☐ Verify the voltage on both the copy of the paid invoice sent to you by orders@heatinggreen.com or your sales rep.
    - ☐ Verify that the voltage on the back of the heater matches the invoice and the electrical panel.
- ☐ 3. VERIFY THE DRYWALL OR OTHER WALL/CEILING MATERIAL THAT THE HEATER IS BEING INSTALLED IS SECURE TO HOLD THE WEIGHT AND TEMPERATURE PRODUCED BY THE HEATER(S).
    - ☐ Many heaters weigh 20+ lbs., and unless hardware is provided by the manufacturer the installer is responsible for providing hardware that will secure the heater(s) to the building framework.
- ☐ 4. INSULATING THE WALLS, FLOORS, AND CEILING IS STRONGLY RECOMMENDED PRIOR TO INSTALLATION IN ORDER TO ACHIEVE THE TOP PERFORMANCE/EFFICIENCY OF THE HEATER(S).
    - ☐ Refer to your contractor or licensed professional on what insulation works best for your space.

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- [ ] 5. ENSURE AND CHECK THE CONTINUITY OF THE BUILDINGS GROUND ROD TO THE ELECTRICAL PANEL AS WELL AS THE INCOMING NEUTRAL GROUND. HEATERS NOT GROUNDED PROPERLY MAY MAKE NOISE WHILE OPERATING.

- [ ] 6. SECURE THE HEATER(S) OR THE FRAME THAT COMES WITH THE HEATER TO THE JOISTS OR STUDS IN THE CEILING OR WALLS. IF THIS IS NOT AN OPTION USE BLOCKING TO SECURE TO THE FRAMEWORK AND ATTACH THE HEATER(S)CLEARANCES IN MANUFACTURER INSTALLATION GUIDES, REQUIRED BY UL/ETL/CSA/INTERTEK CERTIFICATION IN ORDER TO INSTALL SAFELY.

    - [ ] When installing COVE HEATERS on a sloped ceiling, install perpendicular to the ceiling trust, and not with the slope of the ceiling. See picture below…

    - [ ] When installing SOLARAY HEATING PANELS, the manufacturer supplies toggle bolts to use on a drywall ceiling. It is recommended to attach to the wooden members behind the drywall if possible. Blocking may also be used to secure the heater to the ceiling.

- [ ] 7. INSTALLING AROUND SPRINKLER HEADS:

    - [ ] COVE AND CERAMIC CEILING HEATERS: INSTALL A MINIMUM OF 3’ HORIZONTALLY AWAY FROM SPRINKLER HEADS.

    - [ ] SOLARAY HEATERS: INSTALL A MINIMUM OF 1’ HORIZONTALLY FROM SPRINKLER HEADS.

- [ ] 8. TO ENSURE PROPER CONTINUITY, GROUND MUST BE SECURED TO THE GROUND POST IN EACH HEATER’S JUNCTION BOX.

- [ ] 9. USE ONLY TEMPERATURE RATED LEVER STYLE CONNECTORS, AKA “LEVER OR SPLICE NUTS” AND USE PER THE NEC (NATIONAL ELECTRIC CODE). THIS IS THE STANDARD WHEN CONNECTING EITHER MATERIALLY DIFFERENT WIRE SUCH AS STRANDED AND SOLID CORE, OR DIFFERENT SIZE WIRE; WAGO IS A RECOMMENDED MANUFACTURER.

- [ ] 10. ENSURE NO WIRE OR CONDUIT TO BE IN CONTACT WITH THE BACK OF ANY INFRARED HEATERS.

- [ ] 11. ENSURE NO EXPOSED WIRE SHOULD EXTEND OUTSIDE OF THE CONNECTOR.

- [ ] 12. PROPER VENTILATION MUST BE ALLOWED FOR PROPER AIR FLOW. DISCUSS THIS WITH YOUR CONTRACTOR FOR LOCAL, STATE, OR NATIONAL CODES.

- [ ] 13. NOTE: HUMIDITY IS NOT TO EXCEED 40% WHILE OPERATING HEATERS.

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- [ ] NOTE: ALWAYS FOLLOW THE MANUFACTURER'S RECOMMENDATION FOR INSTALLATION AND OPERATION.

Thank you for following this checklist, we hope that your heaters have been of great value to your project.

In addition, please see Who We Are And What We Do to learn more about our role and responsibilities.

The Heating Green Team

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