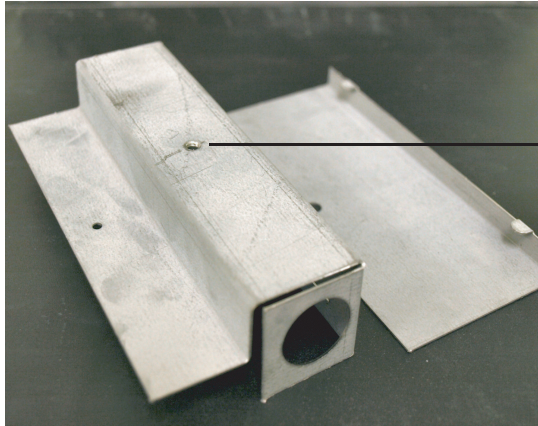


# SmartRooms

## Thermal Comfort System

By Therma-Ray



Hole for  
Grounding  
Screw

*Whether you're a contractor, architect, builder or homeowner, creating the perfect indoor environment has always been a challenge. Therma-Ray, the world's #1 name in thermal comfort systems, introduces you to the ultimate solution: SmartRooms. Please take the time to read this operation guide carefully before you begin. A diagram of the menu display system is found at the end of this guide for easy reference.*

## INSTALLATION INSTRUCTIONS FOR THERMA-RAY HEATER METAL WIRING ENCLOSURES (MC-2) (Supplement to Radiant Ceiling Installation Instructions)

1. In projects where the use of rigid, flexible or metallic conduit is required, you must use our metal enclosure (part # MC-2) to properly make connections. The installation is to be made in accordance with the National Electric, and local codes where applicable.
2. Take the top (large section) of the metal enclosure and place it over the lead wires. The large section of the metal enclosure should be on the back (non labelled) side of the heater.
3. Install the conduit or tubing end connectors onto the metal enclosure. Be sure to position the end connectors or conduit so that no protrusions extend below the bottom of the enclosure. We want the panel to lay flat against the ceiling.
4. Join the metal enclosure together with appropriate lengths of conduit or tubing. Leave sufficient room between the panel and the metal enclosure to make the wiring connections.
5. Use 12 AWG wire as required to accommodate the heating load, leaving sufficient slack at each enclosure. Attach the ground wire to the enclosure. (Screw not provided) (See picture above for location)
6. Make the wiring connections at each end of the heater using one 3M567 self-tapping electrical connector for each lead connection.
7. Before attaching the metal enclosure, a last ohm check should be done. (Refer to the ThermaRay Heater Panel Installation Instructions).
8. After the ohm check, slide the bottom (flat) side of the enclosure onto the heating panel.
9. Clip the bottom (flat) portion of the enclosure to the top section aligning the slots with the fastening line on the panel.
10. Fasten the enclosure securely using the gypsum screw (provided), screwing through the enclosure, then the gypsum and through the hole in the top of the metal enclosure.
11. The enclosure should now be firmly fixed to the heater.
12. The heating panel should lay flat against the sheetrock (finished ceiling).



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