



Outdoor heating is for the most part spot heating. With electric infrared heat, you are heating a space directly below that heater with an infrared pattern same as a ray of light. Heater sizes are determined by ceiling height and environment. Electric infrared heaters can be flush mounted and are very aesthetically appealing. Rough in for the integrated heating system needs to happen after dry in and before mechanicals and electric. Heater locations are very specific, especially when paired with our JetStream integrated cooling system.

All wiring at rough-in and trim out, along with any connections required, will be made by licensed electrician. Any warranty will be for parts only, no labor. We will provide parts within the one year warranty period, electrician will need to diagnose and replace parts. If there are any questions or concerns, it is recommended that a conversation is made with Infratech to resolve any issues. The following is an overview and list of steps of what is required.

Flush Mount Option

Infratech Heaters can be flush mounted in the ceiling utilizing their trim kit. It requires a cavity that is 8" tall and in between 16" on center ceiling joists. This option will need to be incorporated into the ceiling before the ceiling material goes up. It can be done after, but it looks much better if the ceiling material is trimmed over the edge of the Stainless Steel trim piece from Infratech. A clearance of 1/2" away from the round vent holes around the interior opening is required for the ceiling material. Pics are on the website for reference. The high temp whip supplied, must be utilized to connect to the heater inside the cavity. These whips are left coiled up in the trim kit itself at rough in of trim kits. If there is no attic access, a junction box in the ceiling will be utilized to connect the high temp whip to the power coming from the switch box as per code. For duplex switch option, an extra wire lead (supplied with hi temp whip in plastic bag) must be fed thru the whip to the junction box.

Duplex Switch Control – (Most economical control)

When we are utilizing the duplex switch control, we will need 1 single gang opening for each individual heater. We use a Decora style duplex switch to control each of the heaters which offers a HI/LO/Off option. With the Infratech heaters, there are two elements which can be controlled independently by the duplex switch. See the specific instructions on the PDF file which includes instructions on wiring and requirements. Video for wiring instructions available on the website.

Rough in wiring needs to accommodate the AMP draw and also accommodate the option of the duplex control. We have been using either a 5000K or 6000K heater that pulls 21 or 25 AMPS. In order to accommodate the duplex switch option, two hot wires (Black, White, and Red along with the ground) need to be utilized from the switch box to each individual heater.

Control Panel Option

When client requires more control than Hi/Lo/Off and wants 0-100 power option with a timer, there is the Control Panel w/digital wall controls upgrade. Control panel allows the intensity of the heaters to be controlled 0-100. It also has the timer option that will allow user to leave heaters on for a selected time in increments of 15 mins. This system utilizes a Control Panel that is located near the residence's service panel and is controlled by low voltage. The actual control that is on the patio will require constant 110Volt power and low voltage back to control panel to control the 240Volt breakers that allow the 240Volt power to each heater.



Home Management/Universal Panel

The Home Management and Universal Control Panel upgrade will allow the heaters to be controlled by a Home Management system, such as Crestron, Control 4, Lutron or WiFi. One cable that will support the amp load for all heaters is required into Panel, not multiple. Multiple panels may be required if enough power is not available from one service panel. 240 Volt wiring to handle the AMP load will also have to be run from control panel to each heater. Refer to PDF files from Infratech that will specifically guide you through process. Your AV professional will need to make sure of his controls that are needed and ask any questions of Infratech as to wiring and capabilities.

These options are by quote only as price is contingent on size and number of heaters.

If there are any questions or concerns with how the systems work, Infratech has a great technical support team that can be contacted at 1-800-421-9455 and website is www.infratech-usa.com