Important: Do not bend or cut the thermocouple.

You can install the thermocouple (temperature sensor) through an existing ½” thermocouple hole, through a drilled peephole plug, or by drilling a new hole in the kiln.

If you use an existing ½” hole, first insert the porcelain insulator on the thermocouple. Then insert the thermocouple into the hole. The thermocouple must protrude into the firing chamber at least ½” to 5/8”.

IMPORTANT! If the thermocouple falls out of the kiln during firing or if the tip moves out of the firing chamber, the kiln will over-fire. Monitor the kiln during firing to make sure the thermocouple has not moved.

Using a drilled peephole plug to attach the thermocouple to the kiln. Make sure the thermocouple does not fall out of the kiln.

Drilling a 1/8” Thermocouple Hole

1. Drill a 1/8” hole in either a row of blank bricks or between two brick rows, approximately midway between floor and top. Avoid drilling closer than 1” to a heating element. Use a tape measure, if needed, and mark the location of the hole on the kiln case.

2. Wearing safety glasses, drill a 1/8” hole all the way through the kiln case and wall.

3. Enlarge the 1/8” hole in the kiln case to 1/4”. Using a ¼” drill bit, drill just deep enough to go through the case and no further. Enlarging the hole in the kiln case to 1/4” will prevent the thermocouple from touching the grounded steel case.

4. Press the thermocouple into the hole so that ½” to 5/8” or more of the tip protrudes into the firing chamber.

REMINDER: If the thermocouple is pulled out of the hole, the kiln will overfire.

5. Position the thermocouple lead wires so they are away from the hot sides of the kiln case, the cord set, or any other electrical appliances or wiring.