This TAP Retrofit kit and installation instructions are intended for use when converting kiln and oven models to the TAP, touchscreen control that were originally built with Rampmaster II or RM3 controls that are mounted directly on the control panel (Non-Swing View). If the model you wish to convert includes the swing view, pivoting control feature these instructions are not for you.

**Unplug or disconnect power from the kiln or oven before performing this procedure!**

TAP Retrofit Kit Contents:

- TAP touchscreen control (affixed to mounting plate)
- TAP Compatible Flat Panel Enclosure
- TAP Power Input Harness
- TAP Relay Output Harness
- 4, #6 Self-Tapping Sheet Metal Screws
Step 1: Remove the 4 screws that secure the existing control to the control panel.

Step 2: Pull the control away from the enclosure and remove the wires as shown. Hint: It’s best to grasp the terminal and wiggle a bit as you’re pulling them off. Try not to pull directly on the wires.
Step 3: Remove the thermocouple leads from the control as shown.

Step 4: Disassembly is now complete.
Step 5: Place the TAP Flat Panel Enclosure over the existing panel opening as shown. Center and square it up as best you can while taking note to surround and cover the existing control panel opening completely. Secure the TAP Flat panel enclosure to the control panel as shown using the 4, #6 self-tapping screws provided.
Step 6: Attach the TAP control harnesses as shown.

We have designed the TAP control harnesses to color-match the existing control wiring.

Blue/Blue to Blue
Orange/Orange to Orange/Green
White/White to White
Black to Black (You may not have)
Red to Red
Brown to Brown (You may not have)
Yellow to Yellow (You may not have)
Green to Single Green (You may not have)

As noted above, you may or may not have Black, Brown, Yellow or Single Green wires in your original wiring harness. Not a problem, they don’t get connected to anything. You can simply leave them as they are.
Step 7: Connect the thermocouple lead to the TAP control board as shown. The Yellow wire is connected to the lower point and the Red wire is connected to the next point up. Before installing these wires we recommend that you straighten them and trim the wire until about 1/8” of wire is showing past the colored wire insulation. This just makes for a cleaner and more secure connection. Tighten terminal screws snuggly once the wire has been inserted in them.

Step 8: Install the Relay Output harness socket and Power Input socket onto the TAP control as shown.
Step 9: Place the TAP control into the Flat Panel enclosure as shown and secure. When placing the TAP control route the control harness wires in such a way as to place them to the right on the inside of the enclosure. When fastening we recommend that you insert all 4 screws into the mounting holes before fully tightening. Things just line up better that way!

**Installation is now complete.**