

How to Replace a Sentry Controller

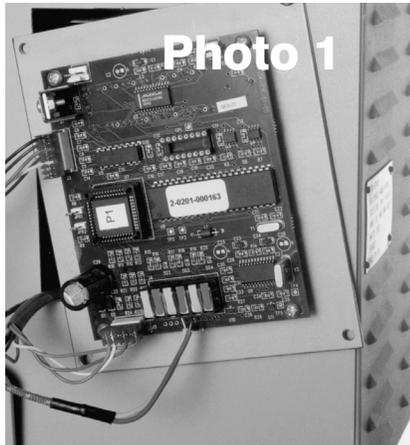
CAUTION: Disconnect the power before removing or installing the controller.
These instructions apply to the 12-key Sentry and 3-key Sentry Xpress controllers.

Removing the Sentry Controller

1 Disconnect the kiln from the power. (Some of the components on the back of the circuit board can be damaged if they touch a grounded object while the kiln is plugged in.)

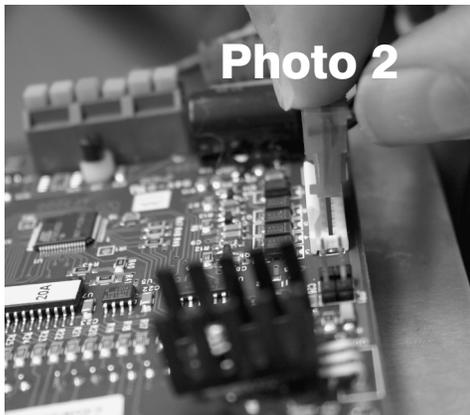
2 Remove the 4 screws holding the controller board faceplate to the control panel.

3 Gently lift the faceplate out of the control panel and let the board hang on the box with the back of the board facing you.



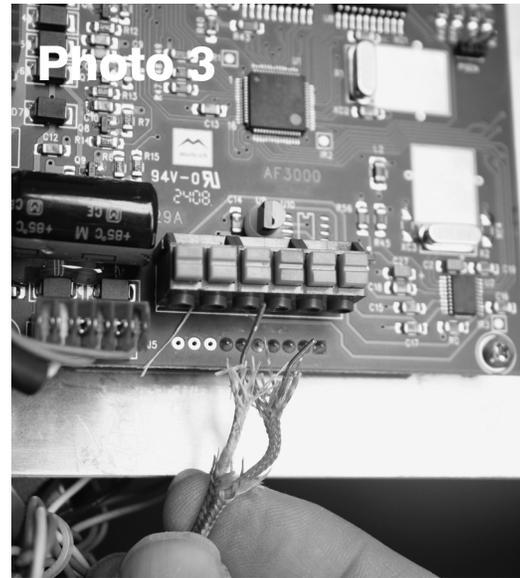
Remove the 4 corner screws and turn the controller over so the back is facing you.

4 Remove the 2 wire connection plugs from the back of the controller board.



Remove the 2 wire connection plugs. When reinstalling, do not force the plugs.

5 Remove the 2 thermocouple wires from the bottom of the board by pressing the button connectors. Then pull the wires out.



The 2 thermocouple wires are connected to the bottom of the controller. After reinstalling, tug on the wires to make sure they are secure.

Installing the Sentry Controller

1 Disconnect the kiln from the power. (Some of the components on the back of the circuit board can be damaged if they touch a grounded object while the kiln is plugged in.)

2 Install the 2 thermocouple wires onto the back of the new controller observing the color coding. (See photo 3 above.) Use the center connectors if your kiln has only one thermocouple. Make sure the thermocouple wires are tight. After pushing the wires into the button connectors, pull each wire, one at a time, to be sure they are tight.

Make sure there is sufficient insulation on the thermocouple wires to prevent them from shorting out against each other. If the insulation is stripped too far back, the bare thermocouple wires can touch.

3 Install the 2 wire connection plugs that you removed in step 4, left column. Do not force the plugs into place. (See photo 2, left column.)

4 Gently place the controller faceplate into the control panel. Install the 4 corner screws to the front of the controller faceplate.