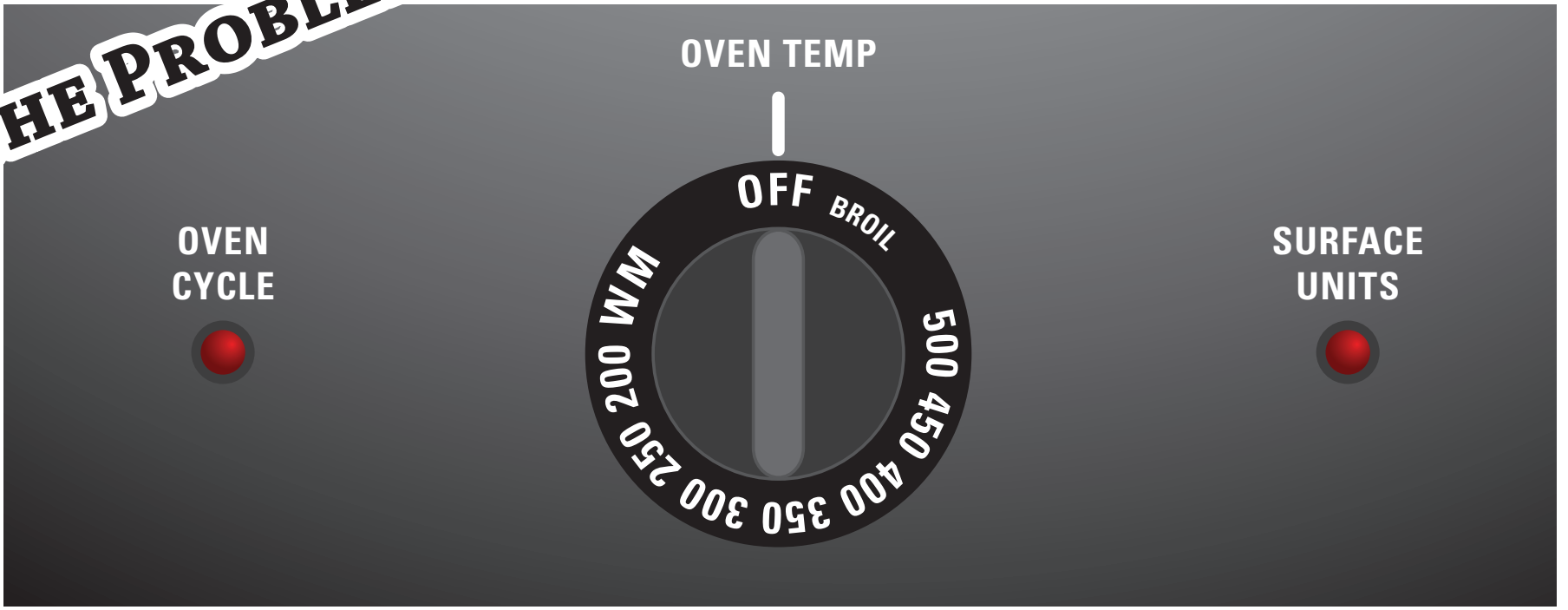


THE PROBLEM



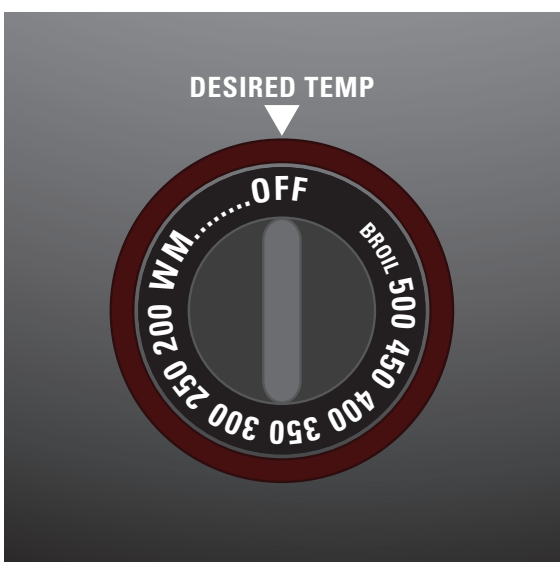
To set the oven's temperature, the knob must be turned clockwise, causing the left indicator to light up. Once the oven is at the desired temperature, the light turns off. But how long will it take to preheat the oven? How do users know that the oven is even on? Modern ovens often solve these problems by placing an LED display to indicate the current temperature. But the required sequence of button presses to even set the temperature still has room for improvement.

HOT or NOT ?

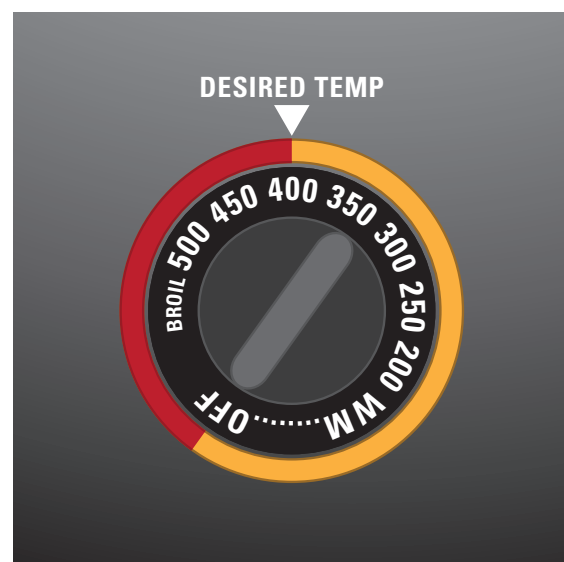
REDESIGNING THE OVEN TEMPERATURE CONTROL
jon maloto | basic interaction design | spring 2008

The design below retains the satisfaction and ease of interacting with an analogue knob. The indicator light is converted into an 'on/off' indicator that surrounds the temperature control. It also functions as a progress indicator as the oven changes to the desired temperature. This analogue control is preferred over a digital touch pad, as it mimics the controls of an iron, and, as with thermostat controls, provides feedback in the same location as the control itself.

Temperature control when the oven is off. To emphasize clockwise turning, 'BROIL' is relocated and periods are added.



The indicator around the control lights up. The orange section indicates that the oven is warming up from 'OFF' to 400 °F.



As the temperature is reached, the orange section becomes smaller to indicate progress.



THE SOLUTION