

The safety controller monitors four conditions: bake hood temperature, bake hood exhaust pressure, X-Pro exhaust hood pressure, and temperature of the bake plate outer shell.

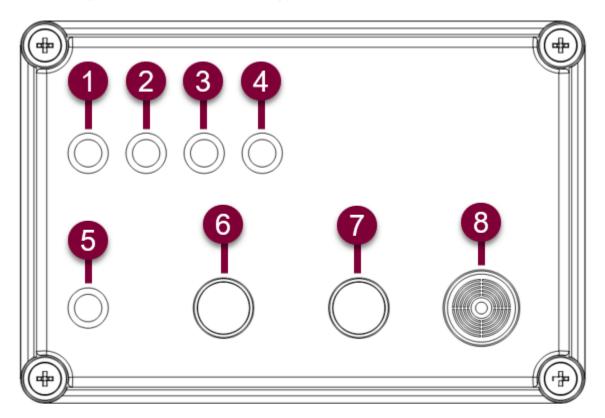
When all of these conditions are met, the safety controller will energize a contactor which connects the bake plate heating element to its controller. Should any of these conditions fall out of the safe range, the safety controller will de-energize the contactor and power is removed from the bake plate heating element. In the event of a fault, one or more of four indicator lamps will show the source(s) of the fault, an alarm will sound, and the white *Mute* switch will be illuminated. The *Mute* button can be pressed to silence the alarm. When all of the safety conditions are restored, the blue *Reset Required* switch will be illuminated. Pressing the *Reset* button will re-energize the contactor and the bake plate will be able to heat again.

Bake hood temperature is monitored with a thermocouple mounted in the bake hood. The thermocouple is connected to a temperature controller which has a dry contact output connected to the safety controller.

Bake hood exhaust pressure is monitored with a diaphragm switch connected to the safety controller.

Exhaust hood pressure is monitored with a diaphragm switch connected to the safety controller.

The bake plate outer shell is monitored with a bimetallic switch connected to the safety controller. This switch requires a manual reset if it is tripped.



- 1. Bake Lid Temperature Indicator Lamp
- 2. Bake Hood Exhaust Pressure Indicator Lamp
- 3. X-Pro Exhaust Hood Pressure Indicator Lamp
- 4. Bake Over Temperature (outer shell) Indicator Lamp
- 5. Pilot Light
- 6. Reset Switch
- 7. Mute Button
- 8. Audible Alarm

