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Technical Bulletin: BTP part # MEL-013

OPERATIONAL LOGIC:

MEL-013 is an assembly designed to sense the surface temperature of the bottom of the Lucks boil tank and open a safety circuit (*Proof box control circuit opens with Visual symptom of; Dry heat thermostat loses power*) if the temperature exceeds about 315 Deg F. Once the temperature drops about 50 Deg F. the sensor will self reset and close the circuit. This is a safety circuit only, the design is not intended to regulate or control the normal operational temperature of the boil tank. These thermal sensors will degrade with repeated tripping, causing nuance tripping of the circuit. This design is a direct replacement for the OEM Lucks / Hobart Part # 172278s, which uses the same basic components and construction.

THE PROBLEM:

This design uses a Snap Disc thermal sensor. *These types of sensors are sensitive to impact and shock and can freeze in the OPEN position after an impact or shock. Normal shipping and transportation handling can cause these sensors to freeze open.*

THE FIX:

If you receive a BakeTechPros MEL-013 boil tank high limit that is OPEN when it should be closed it has received an impact and has frozen in the OPEN state. You can resolve this by GENTLY striking the assembly with your hand or a tool while it is NOT HOT and it should close.

NEVER leave any piece of equipment with a safety circuit bypassed!