**Application**:

The FP Electrical Option is designed to thermostatically activate the exhaust fans for an exhaust hood whenever elevated temperatures are sensed in the exhaust system. This option will meet the requirements of IMC 507.2.1.1 by providing a thermostat(s) mounted in the duct or hood riser to sense increased exhaust temperatures.

**Construction:**

Controls shall be listed by ETL (UL 508A). The control enclosure shall be NEMA 1 rated and listed for installation inside of the exhaust hood utility cabinet. The control enclosure may be constructed of stainless steel or painted steel.

Temperature probes(s) located in the duct riser shall be constructed of Stainless Steel. The thermostat is factory set at an activation temperature of 85 degrees. Once the exhaust temperature reaches the set-point, then contacts will be closed and the exhaust fans will be activated. The controls also provide hysteresis to prevent cycling of the fans after the cooking appliances have been turned off and the heat in the exhaust system is reduced. The hysteresis is factory set 2 degrees and will keep the exhaust running until the temperature falls 2 degrees below the activation set point. The activation and hysteresis settings may be field adjusted on the temperature controller inside the control enclosure to meet actual operating conditions. The panel is factory pre-wired to shut down supply fans in a fire condition. There is also a factory pre-wire option to turn the exhaust fans on in a fire condition (if required).