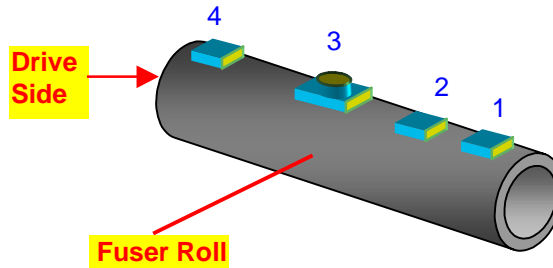


FUSER - IOT Module

Fuser Roll Temperature Monitoring

There are 3 thermistors, along with an Overheat Thermostat, that are used to control the fuser roll temperature. The first (#1) outboard thermistor is the Overheat Thermistor. The second (#2) thermistor, mounted close to the high Overheat Thermistor, is the Heat Roll Control Thermistor used for monitoring and maintaining the fuser roll temperature at the set point. The Control logic will shut down all power to the heat lamps when this thermistor exceeds a set value. The Overheat Thermostat (#3) will shut down the power if the Heat Roll Control Temperature Thermistor fails. The last thermistor (#4), mounted on the inboard side of the fuser roll is the Control Temperature for the short paper Heater Lamp. The Sub Control Temperature Thermistor monitors the temperature on the part of the fuser roll that is not used when running short width paper.



1. Overheat Thermistor
2. Heat Roll Control Temperature Thermistor
3. Overheat Thermostat
4. Sub Control Temperature Thermistor