



## MAGNETIC BRAKE SYSTEMS

A DIVISION OF TECHNICAL FILM SYSTEMS, INC.

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### MBS Temperature Sensor (MBS\_IR\_1)

The MBS temperature sensor, model number MBS\_IR\_1, is an optional item that acts as a thermal switch that works in conjunction with the MBS controller for the MBL or MBZ model brakes. The function of the switch is to monitor the real time temperature of the spinning drag ring, and report the information to the controller. The controller, using data from the thermal switch, will shut power off to the brake if the maximum operating temperature is reached. The thermal switch works best in a clean environment; if the brake is in a dirty environment (i.e., dust, grease, etc.), a clean air source is recommended to be used to provide a positive pressure in the brake for optimum operating conditions. The switch may be used with all size MBS brakes, except the model 2.4. Shown below is an MBZ-8.7 brake with an MBS\_IR\_1 temperature sensor.



MBZ-8.7 w/ MBS\_IR\_1