

Hotmix Parts® Bearing Monitoring System and Alert

At the request of a number of customers, and based upon the need to monitor critical bearings or other temperature levels around the asphalt plant, Hotmix Parts has developed a Comprehensive Bearing Monitor Alert System. This particular system can monitor the temperatures of at least seven (7) different inputs around the plant and can then send an alarm or alert to the plant operator when the temperature gets outside of preset limits. There are adjustable presets for both low temperature and most often used high temperature.

The instruments are built in as scanners into one control panel to avoid having multiple monitors for each individual temperature. The signals from these thermocouples or other digital transducers can be brought into the central unit and the bearing monitor control panel scans each device and then will display the results.

There are a number of options that can be built in such as comparing differentials between bearings, looking for rapid increase and other items that help the plant operator monitor the process.



Typical Applications:

- Monitoring slat conveyor bearing temperatures to avoid overheating and having any fire or explosion in the conveying operating and clean out modes.
- Monitoring temperature of bearings on the main dryer or drum mixer to help indicate a change in temperature requiring additional greasing or as a signal that alignment condition such as trunnion, shafts or tires are out of tolerance.
- Monitoring main exhaust fan bearings for temperature rise indicating vibration or out of balance main induced draft fan improper operating conditions.
- Monitoring bearing temperatures on crushers, screens or other devices around common to hotmix asphalt plants that could cause emergency breakdown and lost production time.

Hotmix Parts® and Stansteel® custom designs all types of electronic controls and other plant processes specifically for asphalt plants such as:

- The NiteOwl® Plant Alert Temperature Mode
- Liquid Circulating Hot Oil Temperature Monitoring System
- The Accu-Track™-Total Plant Control to monitor the process and achieve superior blending while interlocking and alerting the entire plant process.
- Basic and complex burner controls for proper operation and easy troubleshooting of all types of main burners on the hotmix plant.
- Accu-Agg Temp™ - a monitoring system particularly for counterflow drum mixers where the aggregate temperature can be monitored even though the burner is remotely operating inside the counterflow drum mixer.
- Custom controls for any type batch, drum mix or continuous plant.

Hotmix Parts® • (800) 826-0223
www.hotmixparts.com • www.stansteel.com

12711 Townepark Way Louisville KY 40243