DOUBLE E
Engineering Excellence

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ShaftSafe OEM Module

The Double E ShaftSafe OEM Monitoring System consists of a controller, wireless receiver module and wireless sensor(s). Each sensor measures the air pressure, temperature and battery life of the shaft and transmits the data in real time to the controller via Bluetooth. The controller monitors up to 8 sensors at once and converts the wireless signal data to Modbus data that can then be transmitted to the OEM's parent control system. Whenever a sensor transmits, the Modbus registers are instantly updated.

ShaftSafe

Features:

- Pair up to 8 sensors per controller
- Sensors go into sleep mode conserving battery life after 15 minutes of no pressure (less than 5 psi) state and awaken when pressure climbs above 10 psi
- Sensors pair by simply turning on the Modbus coil
- Wireless Bluetooth BLE sensors with replaceable batteries
- DIN-rail mount controller inside enclosure and wall-mount receiver module outside enclosure

Technical Specifications:

- Pressure sensing range 0 psi to 87 psi
- Wireless range of 100 feet
- Sensor update rate 1x per second under 50 psi and 1x per 15 seconds above 50 psi
- Modbus RTU RS232 protocol
- Bluetooth Low Energy (BLE) standard
- 24Vdc supply power
- Receiver module powered through controller
- CE and FCC certified