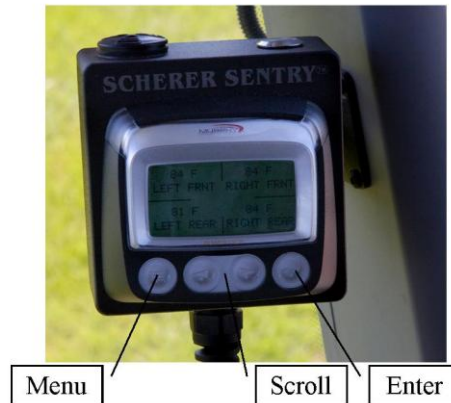


TROUBLESHOOTING THE SCHERER SENTRY™

Issue	Cause	Solution
Displays “Oiler alarm” screen intermittently and my oil reservoir is full	Electrical interference with the Lincoln Autolube	Electrical interference is a known issue with the Lincoln Autolube. As long as there are no lights illuminated on top of the display there are no alarms on the oiler. Currently there is no resolution for the electrical interference.
Some bearing temps are reading 1° F	Wire harness has a loose connection	Make sure all threaded connections (inside firewall, outside firewall, at the processor, and after the splitter) are finger tight.
Low air pressure alarm will not turn off	Too high of setting on air sensor or low system air pressure	Check system air pressure. With the actuator cylinder RETRACTED adjust the belt tensioning pressure up to 120 psi. If there is 120 PSI available the sensor needs adjustment, contact Scherer Design. A temporary fix is to unplug the sensor.
Running a new processor and the bearing temps are above normal operating temp	Bearings are breaking in	New processor bearings need to “break-in”. Normal break-in temps may be up to 200°F. Within 30-40 hours bearing temps should return to normal operating range (120°-175°F).
Bearing temp is reading 325° at ambient temperature	Temp sender is faulty	Replace temp sender.
Display reads “CAN BUS FAILURE”	Bad harness connection between display and XM 500 control module	The XM 500 is mounted in the cabinet under the arm rest. Make sure both plugs are firmly seated in the module. Next, access the back of the display and ensure the plug in firmly seated. If not resolved contact Scherer Design.
Display reads “0.00 H”	Display is set up as “1-up” display	Press ‘Menu’, scroll to highlight ‘GO TO 4-UP DISPLAY’, press ‘Enter’
Display reads in Degrees F	Menu is set to English units	Press ‘Menu’, scroll down to highlight ‘SELECT UNITS’, press ‘Enter’, scroll to highlight your unit of measure, press ‘Enter’, press ‘Menu’ twice to return to 4-up display.

Scherer Sentry Operational Guidelines



- 1) The Sentry is set up to have 2 levels of alarm: warning and shutdown.
- 2) Warnings will only provide an amber light on the left corner of the display and an alarm screen with a description of the alarm.

Warnings - bearing temps $> 180^{\circ}$ but $< 200^{\circ}$ F, oil alarm < 10 minutes.

- 3) Shutdown alarms will provide an alarm screen with a description of the alarm, a red light at the top right corner of the display, and an audible alarm.

Shutdown - bearing temps $> 200^{\circ}$ F, oil alarm > 10 minutes, system air pressure < 90 PSI.

- 4) To silence the audible alarm depress the lit button next to the horn on top of the display. The audible alarm will be silenced for 5 minutes. If another alarm comes in during the 5 minutes you **will not** receive another audible alarm.
- 5) To clear the alarm screen so you can resume monitoring bearing temps press the 'Enter' button on the display.
- 6) Normal operating range (after break-in) is 120° - 175° F.

NOTE – The sentry will display a description screen for every warning or alarm received even if the issue has been resolved. If neither the amber nor red light on top of the Sentry is illuminated there is **no longer** an alarm situation. It makes you acknowledge the alarm screen so you know at one time there was an issue.

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The initial start-up screen for the Scherer Sentry lists an after hour.