

Error	Possible Cause	Action
E1	Problem is located in the sensor head.	Pull error logs and forward to SICK safety Applications for review.
E2	Error is in the I/O module,	Pull error logs and forward to SICK safety Applications for review.
E3	Error is in system plug	Replace system plug
Flashing 6	Occurs after transmission of configuration.	Bad system plug, replace same
Solid 6	No Configuration or Transfer completed.	Transfer the configuration again making sure you do a release.
E4	Communication via EFI failed	Check both scanners in the system to see which one is in lock out. Trouble shoot that scanner.
8	EDM Error	Check the final switching relays or relay module for correct operation.
Alternating F 1	Overcurrent on OSSD 1 pin 3	Check wiring for short circuit to 0VDC, or bad safety relay (replace same)
Alternating F 2	Short circuit to 24VDC on OSSD 1 pin 3	Check wiring for short to 24VDC
Alternating F 3	Short circuit to 0VDC on OSSD 1 pin 3	Check wiring for short to 0VDC
Alternating F 4	Overcurrent on OSSD 2 pin 4	Check wiring for short circuit to 0VDC, or bad safety relay (replace same)
Alternating F 5	Short circuit to 24VDC on OSSD 2 pin 4	Check wiring for short to 24VDC
Alternating F 6	Short circuit to 0VDC on OSSD 2 pin 4	Check wiring for short to 0VDC
Alternating 1 1	S3000 is not seeing anything in a 90 degree angle for 49 meters	This is not a problem; scanner is set up to report no object seen in a 90-degree area for a range of 49 meters. In stationary mode can do this for 2 minute for mobile mode can do this for 2 hours.
Alternating 1 2	S3000 is dazzled	Check to see if a bright light source is shining directly into the face of the S3000. Can be caused by the sun or bright head lights. Change mounting angle of S3000 or block to path of the light source to the S3000.
Alternating 1 3	Temperature Error	Check ambient temperature is with in the limits of specified operating temperature range.
Alternating L 2	EDM configured wrong	Check configuration and compare it to your wiring diagrams. Is pin 6 of the S3000 wired up?
Alternating L 4	EFI Fault or bad device connected to EFI.	Check other device for faults, check the EFI cable and connections

Alternating L 9	Short circuit between the reset wire of the S3000 and another input or output of the S3000	Check the wire on pin 5 for shorts to any other wire or pin.
Alternating n 1	An undefined monitoring case has been selected.	Check the control circuit of A ₁ through D ₂ and make sure that the control system is selecting only defined monitoring cases. If switch inputs have been activated then every switch combination should have a monitoring case defined for it. If all cases are not required then it is recommended to duplicate the safest case with the remaining switch combinations.
Alternating n 2	Incorrect sequence on switching of monitoring cases.	Check the control circuit of A ₁ through D ₂ and make sure that the control system is selecting the correct sequence of monitoring cases. Check wiring for any errors on A ₁ through D ₂ .
Alternating n 3	Incorrect operation of control inputs.	Main cause is contact bounce of A ₁ through D ₂ control line. Can be fixed by increasing the input delay in the S3000 configuration.
Alternating u 1 ... 6	Contamination of window on channels 1 to 6.	Clean or replace the front screen.
Alternating u 7	No front screen or S3000 is dazzled.	Re-fir the front screen and perform front screen calibration. If front screen is in place check to make sure that there is not bright light source shinning directly into the face of the S3000.