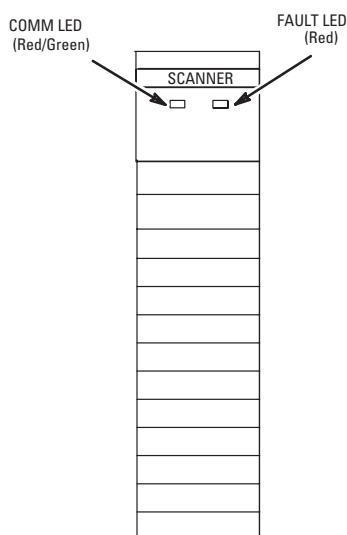


Troubleshooting

This chapter provides information for troubleshooting the RIO scanner.

Troubleshooting

The FAULT LED is *off* whenever the scanner is operating properly. The COMM LED state is valid only when the FAULT LED is off. When the scanner's LEDs change state, use the following table to isolate the cause.



| LED Condition | Problem | Solution | Error Code ⁽¹⁾ |
|-------------------------|---|--|---------------------------|
| FAULT LED flashing red | G file is missing. | Enter configuration information in G file. | 62H |
| | Invalid G file configuration. | Check configuration for proper G file size and settings. | 63H |
| | Duplicate node detected. | Disconnect the RIO link from the scanner and either cycle the scanner's power, or re-enter the Run mode. Look for another scanner on the same network. If the condition persists, replace the scanner. | 64H |
| FAULT LED red | Hardware error on scanner. | Replace scanner. | 68H - 6FH |
| COMM LED off | SLC Processor powered up in Program mode. | Return to Run mode. | (2) |
| COMM LED flashing green | A device is not properly configured, connected, powered, or is faulted. | Check the RIO link connections, power and switch settings. (A device may be too large or too small). | (2) |
| COMM LED flashing red | Scanner is incorrectly connected, or all devices are incorrectly configured, have no power, or are faulted. | Check the RIO link wiring at the scanner. Check device configurations, power status, and network baud rate. | (2) |
| COMM LED red | Hardware error on scanner. | Replace scanner. | (2) |

(1) Word 6 of the SLC processor status file contains this code. Refer to your programming device's user manual.

(2) These conditions do not generate error indications to the SLC processor.