Troubleshooting

Symptoms	Possible Cause	Corrective Action
No operation, all indicators off.	Power switch is off or the DC power source is inactive.	Turn power switches ON to both units. Verify that the external power supply is delivering between 13.8 and 24 VDC.
Internal LED off.	Battery is depleted and the power switch is off.	Turn power switches ON to both units. Recharge the battery.
Internal LED red.	External power loss or depletion of the internal reserve battery.	Verify external power. The LED Illuminates green after 30 minutes of use with the AC power adapter. If the light does not turn green, replace the battery.
No operation, Status LED red, fiber 1 LED and fiber 2 LED alternately flashing.	Optical communication failure or power to the TX is off.	Verify the following: • TX power switch is in the on position and the power indicator is illuminated. • Fibers are not broken or disconnected. • Fiber end tips are clean. • Optical connectors are properly mated. • Link loss budget has not been exceeded: The measured optical power* at the RX unit should be > - 21 dBm. * When using an optical power meter.
Internal reserve battery fails quickly.	Reserve battery is not charged or has failed.	Connect to the 13.8 to 24 VDC power source for 16 hours. Replace the battery if charging is not successful.
System failure when external power is removed.	Reserve battery is dead or disconnected.	Check the battery connection. If okay, replace the battery.
RX alarm sounds. Power LEDs green Status LED green Fiber 1 or Fiber 2 illuminated LED has switched to the other fiber.	Failure of one of the redundant optical paths. If only one fiber is used, this may also indicate intermittent optical communication.	Use an optical power meter to verify that both transmitter optical ports are functioning; measured optical power should be approximately - 6 dBm. Check for bad fibers or optical splices. Operation may be restored to the original fiber after repair by pressing the Select switch.
Video is distorted or unavailable on the Receiver output port(s), or no data communication for the ADDER 161 operation.	Video/Data switches are in the wrong positions.	Verify the video/data switch settings for the signals being transmitted.