



Objective

To help diagnose a network failure.

Equipment

Fiber-optic cable (CM056316U...), Fiber-optic connectors (CI055067, CI055068)

NOYES light meter (L5231), Fiber optic cutting tool (LA385204)

Comms cable (CM353470), PC with ConfigEd

Procedure

1. Verify the integrity of the network by updating the monitor list using ConfigEd.

Note: If the Module List only shows one module in the network of multiple modules, there is a possible break in the Fiber optic or the light level of a transmitter is too low for operation.

0400	5392-400	L5392	OK
0030	UNW_DRV	Vector	OK
0091	UNW_AIO	Analog	OK
0090	UNW_DIO	Digital	OK
0040	d1_pro	Processor	OK

Note: If **Halted by co-pro** or **Network Failure** is displayed on your Link Drive (590L, 620L) or Operator Interface (L5392), verify the light intensity of the Link Modules using the chart on page 2.

Note: If the Module List displays “PEER HALTED”, Link re-addressed a module due to a possible duplicate address or other installation faults.

2. If the module list is ok. Then double-click on the individual module to enter the S.A.M. mode



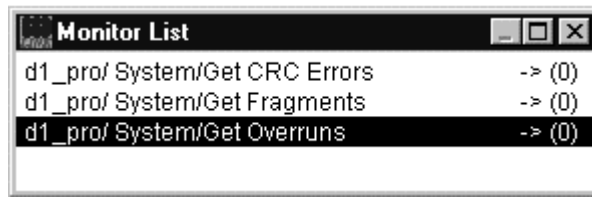
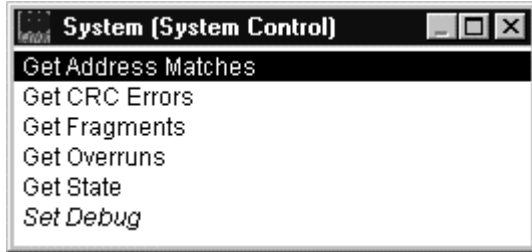
3. Then double-click on the SYSTEM CONTROL block in the configuration to monitor the CRC Errors and Fragments.



If you have questions, please call the Product Support Group at (704) 588-3246.



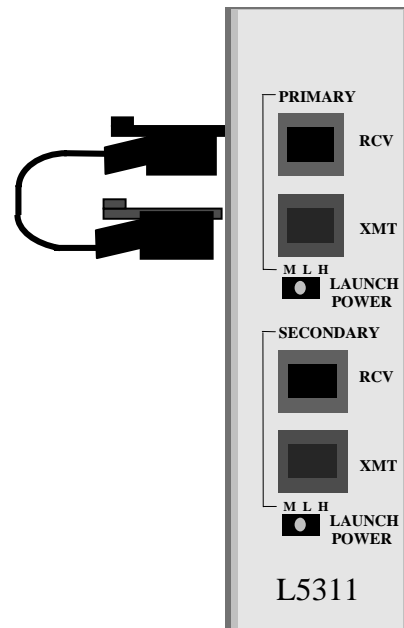
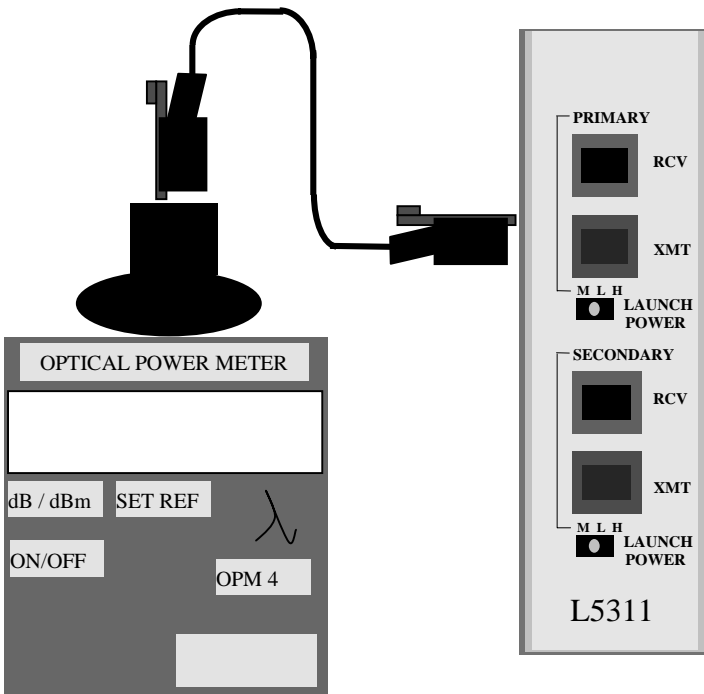
- Next, hold down the <Shift> key and double-click on the Get Overruns or other get items.
- Finally, if the Monitor List is counting, the integrity of Link System needs to be verified using a Light Meter. Using the chart on the next page, determine possible bad components in the Link Network.



Signal quality	db level	Description
marginal	-18	full power-factory setting
operating range	-21	half power is reached at each -3db increment
operating range	-24	half power is reached at each -3db increment
operating range	-27	half power is reached at each -3db increment
marginal	-30	half power is reached at each -3db increment
out of range	-33	signal too weak for receiver
out of range	-35	signal too weak for receiver

Diagram 1 is a drawing to check simulate a transmitter output intensity.

Diagram 2 is a drawing to network using one module.



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