Purpose:

To describe an orderly process, for diagnosing potential issues with Fiberdyne, Ethernet “Media Converter” products.

Conceptual Usage:

Applicable products include 10Base, 100Base and 1000Base media converters and repeaters. *Note: some products have a “RCV” indicator, in lieu of an “Activity” indication. The RCV/Activity LED indicates data transmission.*

Troubleshooting:

Issue	***Diagnostic***	***Remedy***
Power LED not illuminated.	Is power available to power pack?	If not, contact facility personnel.
	Is power available from power pack?	If not, contact Fiberdyne for new power pack.
	Does device transfer data.?	If yes, then LED is bad. Contact Fiberdyne for repair or for replacement. If no, then contact Fiberdyne for repair or for replacement.
Link LED not illuminated.	Is Power LED illuminated?	If not, then follow instruction in "Power LED" section, first.
	Are cables properly connected at both ends?	If not, then complete link, and recheck LED. **Warning**: use proper cleaning and handling procedures with fiber-optic connectors.
	Verify correct cables are used.	If not, replace with correct cables. Note: some equipment requires cross-over cables.
	Verify cables are good.	If cables work with compatible equipment, then contact Fiberdyne for repair or for replacement.
Activity LED does not flash. *Note:* this LED illuminates only during data transfer.	Are both Link LEDs illuminated?	If not, then follow instruction in "Link LED" section, first.
	Does device transfer data?	If not, then contact Fiberdyne for repair or for replacement. If data transfers, then LED is bad. Contact Fiberdyne for repair or for replacement.
Data does not transfer.	Check all LEDs.	Follow instructions, above. If unit is faulty, then contact Fiberdyne for repair or for replacement.