

## DCLS (TTL) Unbalanced to Balanced Converter

**TLLC-1004**

The LuxLink® TTLC-1004 is a self-contained unit that will convert an unbalanced DCLS IRIG input signal into four differential floating outputs. The TTLC-1004 is completely adjustment free and integral indicator LEDs are provided to monitor the operation of the unit.



### Technical Specifications

System Bandwidth	DC to 100 Kb/s
Input Level	Standard 5 volt TTL (IRIG DCLS)
Input Impedance	1K ohms
Input Connector	BNC (shell grounded to common)
Output level	Differential 5 volt signal
Output rise time	5 nsec typical (8 nsec maximum)
Output fall time	15 nsec typical (20 nsec maximum)
Output Connector	BNC (pin is "normal" signal, shell is inverted signal) Note that this connector is totally "floating" from ground
Output Reference	Case ground, power supply ground
Number of Outputs	4 (each isolated from the others)
Operating Temperature	-35 to +75 C
Power requirements	11 – 18 VAC/DC @250mA typical
Physical Size	5"L x 3"W x 1" D

### Important Features

- **DC to 100 Kb/s bandwidth**
- **Stand-alone or Rack Mountable (same unit)**

### Ordering Information

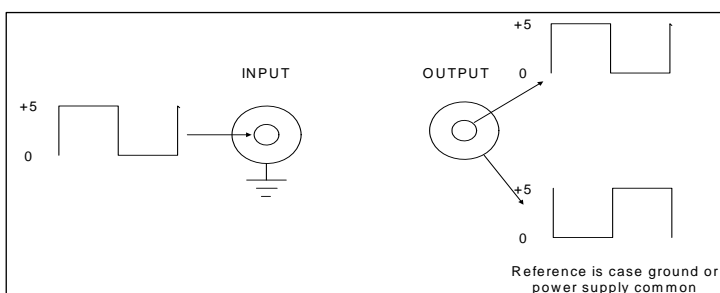
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TTLC-1004

ADP-BNC-TB  
BNC to terminal block adapter

\*\*For stand-alone operation order a PS-1205 power supply for each unit.

\*\*For rack mounted operation all operating power is provided by power supply used with the rack mounting panel.



Typical Input and Output Configuration

**LuxLink®**

Fiber Optic Transmission Systems

www.LuxLink.com  
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