GE
Security

Fiber Optic
Video and Audio Classroom Distribution System

Overview

Today's schools are incorporating electronic classrooms that distribute video and audio to teachers and students. Classroom monitors are provided with the means to remotely control centrally located video disc players, video cassette recorders/players and CD-ROM players. These classrooms are also able to receive programming via satellite feeds as well as live presentations taking place in school lecture halls and auditoriums. The LearningLink™ series links enhance electronic classroom distribution systems by providing transmission solutions for these routing switcher-based media systems as well as corporate board rooms and professional training facilities. LearningLink™ systems consist of a source multiplexer and a source demultiplexer to distribute the video and audio signals.

Source Multiplexer

The Source Multiplexer is an integral part of the LearningLink™ solution. This unit electronically combines the composite video signal with one input audio channel. This combined signal is then able to be handled through a signal cross point in the Routing Switcher. A video-only Routing Switcher can be used as the heart of the LearningLink™ system.

Source Demultiplexer

The Source Demultiplexer restores the original video and audio signals, restoring them back to independent outputs. The video output is provided using a BNC connector, while the audio output signal is provided using a screw terminal connector. Both video and audio outputs are easily accessed from the back of the unit.

Superior Diagnostics

The LearningLink™ series links utilize built-in diagnostic technology that provides system performance analysis by monitoring the status of the video and audio signals.

LearningLink™
LL101B

Standard Features

- One-way video and audio transmission
- Monaural audio
- 10 Hz to 8 MHz video bandwidth
- 20 Hz to 20 kHz audio bandwidth
- 600 ohm audio
- >50 dB video and audio SNR
- Less than 1% THD
- Optical AGC

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T 888-GE-SECURITY
888-(437-3287)
F 561 998 6224

Canada
T 519 376 2430
F 519 376 7258

Asia
T 852-2907-8108
F 852-2142-5063

Australia
T 61-3-9239-1200
F 61-3-9239-1299

Europe
T 44-113-238-1668
F 44-113-253-8121

Latin America
T 305-593-4301
F 305-593-4300

www.gesecurity.com

Specifications

Video	
Channels	1 simplex
Formats	NTSC and PAL
Input/Output Signal	1.0 V pk-pk composite
Bandwidth	10 Hz to 8 MHz
Signal-to-Noise Ratio	>50 dB
Input/Output Impedance	75 ohms
Differential Phase	4˚
Differential Gain	4%

Audio	
Channels	1 simplex
Input Impedance	600 ohms or 30k ohms
Frequency Response	20 Hz to 20 kHz
Output Signal Level	8 dBu maximum
Output Impedance	<60 ohms or <30 ohms
Signal-to-Noise Ratio	>50 dB
Total Harmonic Distortion	<1%

Electrical	
Input Power	13.5 VDC regulated
Current Requirement	300 mA
Power Consumption	4.2 W
Power Factor	3
Protection	Solid-state short circuit protection

Environmental	
Operating Temperature	-40 to 167° F (-40 to 75° C)
Maximum Humidity	95% relative, noncondensing

Mechanical	
Dimensions	1 slot (1.0")
Weight	0.75 lbs (0.34 kg)
Construction	Aluminum

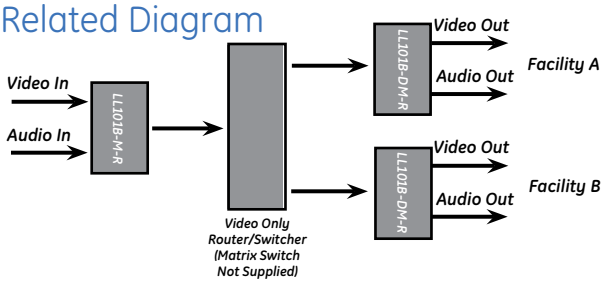
AGENCY COMPLIANCE

FCC PART 15 COMPLIANT CE c UL us

MADE IN THE USA

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

Related Diagram



Ordering Information

Use the model numbers below when ordering this product.

LL101B-M-R/XXXX - Multiplexer

LL101B-DM-R/XXX - Demultiplexer

imagination at work