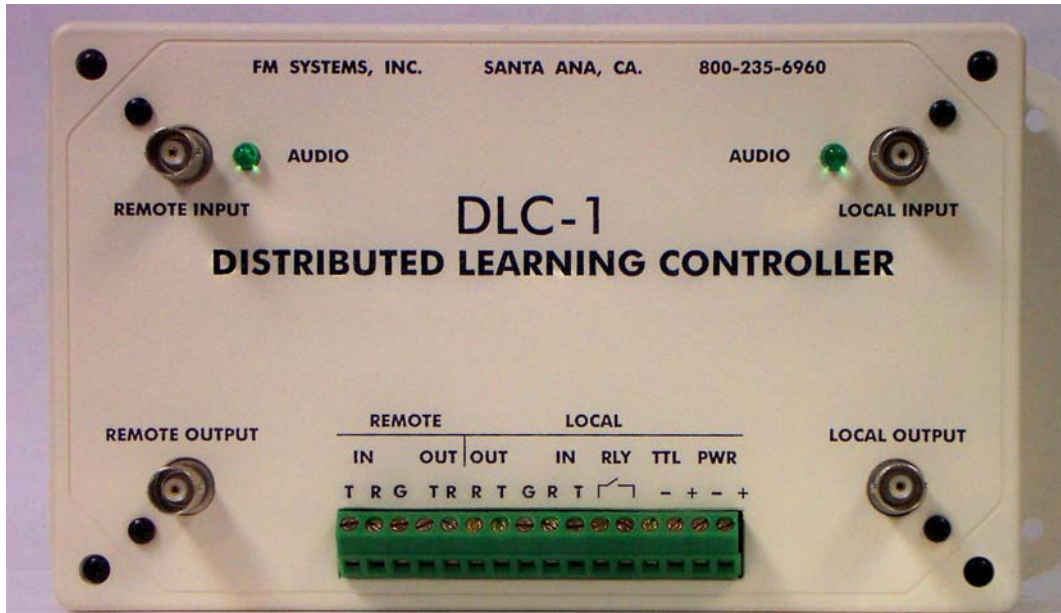


DLC-1



DISTRIBUTED LEARNING CONTROLLER

The DLC-1 Distributed Learning Controller is used to control the direction of transmission for Audio and Video signals in Distance Learning and Distributed Learning Networks. The unit receives base-band audio and video from both local and remote sites, then switches the audio and video from the site with active audio to both remote and local sites. The site that has active audio on it will be distributed to both remote and local sites. This video follows audio switching is done automatically.

The instructors audio and video will appear at both local and remote sites when the instructors audio is active. When the students audio is active their audio and video will appear at both local and remote sites. If both the instructor and student are trying to talk at the same time (both audio sources active in conflict), then the audio video switch will remain at its current position until the selected audio source goes silent. This enhances normal conversational switching. Both classroom and instructor will be able to see and hear the person speaking automatically.

A local TTL input is available to manually switch the unit to remote position (instructor site) "receive only" if an audio conflict cannot be resolved or if the local site wants to lock out, limit or control interruptions from a student at a local site. This feature will prevent a local problem from disrupting a Distributed Learning session.

The unit has an auxiliary relay output that is field programmable for either normally open or normally closed for external operation of any device. This relay mirrors the operation of the audio and video switch.

Both audio channels have an L.E.D. to indicate active audio and also the position of the audio and video switch. The unit has convenient screw terminal connections for the Balanced or Unbalanced audio inputs and outputs. Internal jumpers can be selected for all audio line levels.

The unit has BNC (female) connectors for the video inputs and outputs. All video inputs are internally terminated with 75 Ohms.

Power is supplied by a 24 VDC power cube (included). The white colored enclosure is made of a rugged ABS material with built-in mounting flanges for easy mounting and a flame rating of UL94V-0.

VIDEO

SPECIFICATION

Standard	NTSC, PAL or SECAM
Level (Composite Video)	1.0 Vp-p, 140 I.R.E.
Input Impedance	75 Ohm
Frequency Response	> 0.2 dB from DC to 20MHz
Cross-Talk (local/remote)	< 75 dB
Signal to Noise Ratio	< 75 dB

AUDIO

Level	-20dBm to +18dBm
Frequency Response	30Hz - 20KHz
Cross-Talk (local/remote)	< 80 dB
Input Impedance	Hi-z Bridging
Signal to Noise Ratio	< 80 dB

AUDIO CONTROL

Audio Threshold	-26 dBu
Switching (Attack Time)	0.1 sec
Lockout (Delay Time)	1.0 sec
TTL Control (Attack Time)	0.02 sec
Audio Indicators	Green L.E.D. Flashers

MECHANICAL

Power Requirement	24 VDC Power Cube (included)
Connectors (Video)	BNC (Female)
Connectors (Audio)	Screw Terminal
Enclosure	9" X 4.5" X 3" ABS White