



LC372AI

Description

The LC372AI audio input plate is an optional component of the IED LANcom SCS for use with the LC372SR communications module. This unit is for convenient connection to local audio sources for remote use in classrooms. This versatile wall plate includes one balanced XLR mic/line switchable input, one unbalanced stereo, mono summing 3.5mm TRS jack, and one unbalanced RCA stereo, mono summing input. Connection to the LANcom SCS system is through CAT5 or better structured cabling terminated with RJ-45 connectors.

Related Products

LC372SRM Classroom Sound Reinforcement Module

Features

- Audio Input wall plate for LC372SR classroom sound reinforcement module
- Includes (3) inputs:
 - (1) Balanced XLR mic/line switchable
 - (1) Unbalanced stereo 3.5mm jack, mono summing
 - (1) Unbalanced stereo RCA, mono summing
- Mounts in deep 2-gang electrical box
- Connects using CAT5e or better structured cable and RJ-45 connectors
- Powered by +48VDC, provided by the LC372SR module

Specifications

Electrical

Power 48VDC, 23.6mA
Supplied by LC372SR
 Max. Audio Output +27dBu
 THD <= 0.0013%
 Frequency Response 20Hz to 20kHz (±1dB)

Input #1

Input (Mic/Line) switch selectable
 Input Level (Mic) -50dBu Nominal
Gain Adjustable 40dB – 50dB
 Input Level (Line) 0dBu Nominal (Gain 6.6dB)
 S/N (Mic) > 80dB @ -50dBu input
 S/N (Line) > 90dB @ +4dBu output

Input #2

Input Level -10dBu Nominal.
Gain Selectable 0dB or +14dB
 S/N @ 0dB gain (+4dBu output) > 95dB
 S/N @ +14dB gain (+4dBu output) > 85dB

Input #3

Left and right signals are summed to a mono mix
 Input Level -10dBu Nominal
Gain Selectable 0dB or +14dB
 S/N @ 0dB gain (+4dBu output) > 95dB
 S/N @ +14dB gain (+4dBu output) > 85dB

Connectors

Power and Audio Out RJ45
Connects to LC372SR using CAT5 or better cable
 Input #1 Balanced XLR female
 Input #2 Unbalanced 1/8" (3.5mm) Mini TRS Jack
 Input #3 Unbalanced Dual RCA Jacks

Mechanical

Dimensions 4.50" W x 4.50" H x 1.06" D
 (114.3mm W x 114.3mm H x 27.0mm D)
 Projection in Front of Plate 0.013" (32mm)
 Mounting Depth 1.50" (38.1mm)
 Mounting Box 2-Gang Deep Box
 Recommended Electrical Box Steel City 52151-1/2-3/4 (4" x 4" Box)
 with 53151-1/2 Extension

Architect & Engineering Specifications

The IED LANcom SCS audio input plate shall be model LC372AI or approved equal. Inputs shall include one balanced XLR mic/line switchable input, one unbalanced stereo mono summing 3.5mm TRS jack, and one unbalanced stereo mono summing RCA input. Output connection and 48VDC power requirement shall be through CAT5 or better structured cable terminated with RJ-45 connector. The LC372AI shall require a deep 2-gang electrical box for mounting and has overall dimensions of 4.500" H x 4.500" W x 1.0625" D.