

DATA SHEET

IA330A SOUND SYSTEM INTERCONNECT MODULE

Recreational Facilities
Transportation Terminals
Convention Centers
Correctional Facilities
Warehouse/Factories
Community Halls
Gymnasiums
Sports Arenas
Shopping Malls
Super Stores
Restaurants
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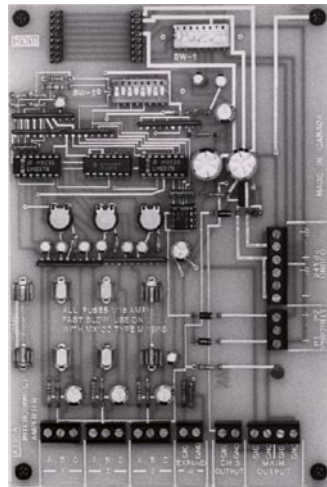
Octasound[®]
S O U N D
A B O V E
A L L



by KDM Electronics

Operational Description

The "KDM" IA330A is an audio source interconnect module that permits up to three balanced / unbalanced audio inputs to be mixed together into one output. Greater than 100 dB of isolation is provided between inputs. This permits control changes, (volume, bass, treble, etc.), removal or additions of mixers and/or other inputs from affecting one another when interconnected to the sound system. The IA330A also has a built in 18 volt regulated power supply to supply regulated power for the internal circuitry and Phantom Power (via separately fused lines) to the MX120A series remote audio mixers. The IA330A has a fourth unbalanced expand input to interconnect IA330A's or if an additional unbalanced input is required. A priority function is supplied as standard to the IA330A. This feature permits the sound system designer to program any of the three inputs to go from "on to off", "off to on" or to remain on, upon activation of the priority function. The IA330A programming of the priority functions, gain, output signal routing, and channel 3 destination are all effected by internal DIP switch settings. The external sound system wiring of this module to other KDM modules (KDM MP200A, KDM EQ450A, KDM PS2415B, etc.) is via a 16 wire ribbon cable. Terminal strips can also be supplied to permit external wiring.



Technical Specifications

Gain:	Within 0.5 dB Inputs 1,2,3: 0 dB or +6 dB Expand Input: -6 dB
Response:	Within 1.0 dB 30 Hz to 15 kHz
Noise:	Greater than 85 dB
Distortion:	Less than 0.5% (T.H.D. & Noise)
Isolation:	Greater than 100 dB between inputs
Input Impedance:	600 Ω \pm 10% Balanced / Unbalanced
Power Required:	24 Vdc \pm 20% -40 mA plus 40 mA per MX100A series mixer

Physical Specifications

Length:	7.5" (19.0 cm)
Width:	3" (7.6 cm)
Height:	1" (2.5 cm)
Weight:	Net: 4.0 oz (113 g) Shipping: 7.4 oz (210 g)

Architects and Engineers Specifications

This module shall contain three balance/unbalanced audio inputs, mixed to one output. The gain shall be switch selectable to 0 dB or +6 dB. The response shall be within 1.0 dB, 30 Hz to 15 kHz. The signal to noise ratio shall be 85 dB minimum, and distortion less than 0.5%. Isolation between inputs shall be 100 dB minimum. The configuration of this module - such as gain, priority functions, output routing etc. shall be individually programmable via internal "Dip Switches". When installed into a sound system with other KDM modules (KDM MP200A, KDM EQ450A, KDM PS2415B etc.) the interconnect between modules shall be via a 16 wire ribbon cable and matching connectors. This amplifier shall be powered by 24 Vdc \pm 20% unregulated.

This module shall be KDM Electronics Incorporated Model IA330A.

Ordering Information

IA330A - Interconnect Module

Octasound Speakers and Sound System Modules are manufactured by the award winning company KDM Electronics Inc. With over 25 years of experience, KDM can design a turn-key sound system to meet or exceed your sound requirements.