

SPECTRA – i.Net®

PRODUCT SHEET & SPECIFICATIONS

OPERATING PLATFORM (OP) (MODEL GP20gsa)



OP SOUND SOURCE

The heart of the Spectra i.Net® is the OP (Operating Platform), the primary sound source that produces, equalizes and distributes the sound for masking, music and paging. Each OP includes:

- Multiple, random sound masking sources, coupled with Lencore's technology, produce a sound quality that is random, making it exceptionally comfortable environment.
- Independent equalizers for unprecedented tuning where every channel of the system has a separate and independent 1/3rd octave band equalizer or parametric equalizer.

Sound frequencies and contour can be adjusted and set to any point on the acoustical curve, from 20 Hz to 20 kHz, making the Spectra i.Net® the first networked sound masking system to make fine-tuning the entire spectrum of sound possible.

The multidrop system and network is intelligent enough to bypass any failure in the system to keep communicating throughout the entire network. Point-to-Point networks can not achieve this level of connectivity and diagnostic control.

FLEXIBILITY

Groupings of sound sources and channels let you customize an almost limitless number of zones for masking, paging and music, while maintaining the advantages of complete networked operation and control.

i.Lon® is a registered trademark of Echelon Corporation.

OP SOUND SOURCE FEATURES AND CAPABILITIES

The remote control or i.LON® sends information and directions up to each OP within the network for system tuning and modifications.

The OP displays information on its integrated LCD screen, including the specific address of the respective enclosure. This address aids in locating the correct OP in the ceiling plenum, when checking or modifying the system.

The OP checks during a diagnostic test for system performance, including the operation of the network, program, memory, power, and characteristics of sound masking.

+ Each channel on the OP functions independently, and provides four non-coherent random sound sources per OP. Each OP is exactly incoherent from all other OPs

OP SOUND SOURCE INTEGRATION OF SEPARATE PAGING AND MUSIC CHANNELS

Each channel can be digitally controlled for zone management and changed on the fly without any change in wiring.

SPECTRA – i.Net®

Model

GP20gsa

OPERATING PLATFORM (OP)



– ENCLOSURE

- + Brushed Aluminum
- + Dimensions – w 10" x h 7" x d 1 7/8"
- + Weight – 2lbs

– SOUND GENERATOR

- + Octave bands – 25Hz to 20,000Hz
- + Parametric bands – 20Hz to 20,000Hz
- + Voltage – 48 Volts DC
- + Contour Adjustments
- + Spectrum Adjustment – Meets Acoustical Preferred Curve

– OUTPUT ADJUSTMENTS

- + 1/3 octave band EQ for entire spectrum (25Hz- 20KHz)
Meets ANSI specification for bands
- + Parametric EQ for entire spectrum (20Hz-20KHz)
- + Volume control for individual channels, groups/zones, or global for sound masking, paging and music
- + Contour control for individual channels, groups/zones or global for sound masking
- + EQ control for individual OP's or global for paging/music
- + EQ control for individual channels, groups/zones or global for sound masking
- + Programming of groups and zones

– SPECTRUM SHAPING

- + Units are able to be shaped with a full 1/3 band octave equalizer (30 bands)
- + Units are able to be shaped with a parametric equalizer
- + Equalizers cover the full spectrum to manipulate the entire spectrum from 20Hz to 20KHz

– WIRE REQUIREMENTS

- + Power – 16 gauge, plenum rated, stranded, 2-conductor wire (for power supply to OP)
- + Cat 5e cable or equivalent, 3 and 4 twisted pair, with standard RJ12 & RJ45 connectors.
- 3 twisted pair (audio cable and speaker cable)
- 4 twisted pair (data cable)

– PROGRAM MEMORY

- + Non-volatile for one year minimum, without power

– REMOTE INFRA-RED VOLUME / CONTOUR CONTROL

- + Remote volume and contour control adjustments for masking, paging and music. Point the remote to a wall mounted, infrared receiver panel or directly at an individual OP to make immediate adjustments

– PAGING EQUIPMENT

If paging option is required, see product sheet for Lencore's Music Page Interface (MPI)

MASKING/PAGING UNITS ARE UL LISTED FOR USE IN AIR HANDLING SPACES