i.Net
SPEAKERS

MODEL G545 / G585
(*see page 2 for various models)

FUNCTION

The i.Net® speakers enable the masking to be distributed uniformly throughout the space. Typically hung above the ceiling tiles, the speakers fill the plenum with sound that gently filters into the environment below to create speech privacy. i.Net speakers are perfectly matched for the OP to ensure the highest quality of sound masking, paging and audio.

Speakers used in the i.Net systems are configured with integrated RJ45 connections for plug and play and ease of installation. The speakers feature an aluminum housing, 5-inch wide dispersion and weigh approximately three pounds each. There are two speaker models available (6" & 4") to accommodate various plenum depths. Speakers distribute sound masking, paging and/or music.

Note: A variety of assembly options are available for these speakers; please refer to the 3rd page of this data sheet for options.

*Speaker comes with a 23" length of chain

*Standard speakers come in an aluminum finish. Custom painting is available at an up charge.

SPEAKER ENCLOSURE

+ Aluminum Housing
+ Galvanized Perforated Grill
+ Lightweight Mounting Chain
+ Two speaker models available – 6" & 4"

Speakers are UL Listed for use in air handling spaces.

SPEAKER MODEL DIMENSIONS

G545	G585
Height – 6"	Height – 4"
Diameter – 6"	Diameter – 6"
Weight – 3lbs	Weight – 3lbs
G545-C / G545-HB	**G585-C / G585-HB**
Height – 6"	Height – 4"
Diameter – 6"	Diameter – 6"
Weight – 4lbs	Weight – 4lbs

LOUDSPEAKER

+ 5-inch - wide dispersion
+ Power Rating – 10 watts
+ Frequency Response – 60 – 13,000 Hz
+ Impedance – 32 Ohms
+ Resonance – 85 Hz
+ Magnet Weight – 10 oz
+ Magnet Structure Weight – 26 oz
+ Cone – Formed Fiber
+ Cone Suspension – High Compliance Foam
+ Voice Coil – 1-inch diameter
+ Voice Coil Form – Anodized Aluminum

PAGING INPUT

+ Via OP & MPI

POWER REQUIREMENT

+ Powered by OP

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OUTPUT ADJUSTMENT
+ Optional Inline (0 to -12dB)

WIRE REQUIREMENTS
+ All wire must be plenum rated and UL listed
+ Speakers use Cat 5e or equivalent, 4 twisted pair and RJ45 connectors
+ Straight cable – Pin 1 to Pin 1, Pin 2 to Pin 2, etc

OTHER SYSTEM REQUIREMENTS
+ 16 gauge, plenum rated, stranded, 2-conductor wire (for power supply to OP)

AGENCY LISTINGS
+ UL 2043: Approved for use in air handling spaces. US and Canada.
+ UL 6500 or ANSI/UL 60065: Approved for use as audio/video equipment. US & Canada.
+ UL 1480: Approved for use as speakers for use in fire alarm, emergency, and commercial and professional use. US and Canada.

HOW TO SPECIFY A MODEL #:

I	II	III	IV	V	VI
Lid Type	**Specify Unit Height**	**Jack Chain or Airplane Wire**	**Specify Hanging Style** (Not available on desktop units)	**Specify Color**	**Specify Wire Box** If local code dictates
Leave blank for standard lid	G545 (6")		Leave blank for standard hanging method		Leave blank for power wires with no box
LG035 (ceiling plate)	G585 (4")		**TRI** for tripod hanging or 3-notch chain configuration **U** for Universal detached tripod hanging chain (up or down)		**HB** - Handy Box Unit (ex. St. Louis, Miami, etc.)
		AW for airplane wire	**INV** for inverted 3-notch chain		**C** - Air Tight Electrical Box Unit (ex. Chicago, etc.)
			INV1CHAIN for inverted single jack chain	**W** - White	
			SSL/SST for L/T-Mounting bracket	**B** - Black	*LG035-G545C not available in black

Example #1

G545-TRIHB - 6"Unit with Tripod Lid and Handy Box

Lid Type	Specify Unit Height	Jack Chain or Airplane Wire		Specify Hanging Style (Not available on desktop units)	Specify Power Wires Covered If local code dictates
	G545		-	TRI	HB

HB - Handy Box

C -Air Tight Electrical Box

TRI -Tripod/ U- Universal*

INV - Inverted

INVCHAIN - Inverted Jack Chain

LG035 - Ceiling Plate

SSL- L-Bracket

SST- T Bracket

*Universal Speakers have lances on top and bottom to hang upwards or downwards

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