878HL

HI-LO DYNAMIC
DESK PAGING MICROPHONE

Description

The Astatic Model 878HL is a duel impedance, omindirectional dynamic desk microphone offering modern styling and features in a rugged Cycolac housing for all industrial and commercial public address and paging applications. The Model 878HL has a slide switch for low or high impedance selection. The wide band frequency response is smooth and peak free, with a slight rise above 2K Hz to give that "natural" highly intelligible sound. The microphone and relay switching is accomplished with long life DPDT professional leaf switches and choice of either a simple push-to-talk bar with locking capabilities, or lift-to-talk operation, to give years of dependable, trouble free performance. The lift-to-talk operation can be disabled with a slide switch located under the microphone base.

The 878HL is manufactured to take normal abuse and retain its performance over a long life. Four molded "feet", non-skid, non-marring, permanently resilient, are located under the zinc die cast base.

Supplied with 2.1m (7 ft.) of four conductor, two shielded cable, the Model 878HL microphone circuit is wired normally open.

Available in black.

APPLICATIONS

PUBLIC ADDRESS AND PAGING: A superior microphone for installations where quality of reproduction is desired. Modern styling plus rugged construction and environmental resistance will provide dependability in such applications as airport control towers, police, fire and taxi dipatching, office communications, paging in department stores, restaurants, bowling alleys, factories, schools, fast food outlets, movie theaters, etc.

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Specifications

CE

Element:
Dynamic

Pattern:
Omnidirectional

Frequency Response:
50 to 12,000 Hz

Output Level:
HiZ: -55dB (0dB = 1 volt / microbar)
-151 dB EIA
LoZ: -58 dB (0dB = 1mw / 10 microbars)
-76 dB (0dB = 1 volt / microbar)
-152 dB EIA

Impedance:
HiZ: 40,000 ohms, matches 100K ohms or greater
LoZ: 400 ohms, matches 125 to 1000 ohms

Switch:
Control: DPDT professional long life leaf switches operated with a simple push-to-talk operation.
Impedance: DPDT slide switch located on underside of the microphone

Cable:
2.1m (7 ft.) of heavy duty four conductor (two shielded) cable

Dimensions:
238mm (9-3/8") high; 110mm (4-11/32") wide 148mm (5-27/32")deep

Weight:
687 grams (24-1/4 oz.)

Finish:
Durable molded Cycolac in black with die cast base painted in a complimentary color

IMPEDANCE

The Astatic Model **877HL** is a duel impedance microphone. The high impedance position is 40,000 ohms and the low impedance is 400 ohms.
The low impedance position is recommended for long cable length requirements. Cable lenghts of 30.5m (100 ft.) or more can be used in this position without loss of level or deterioration of high frequency response.

CABLE END CONNECTIONS

HI IMPEDANCE: Connect the red lead to the audio input, the black lead and shield to ground, and the white and green to relay control
LOW IMPEDANCE: Connect cable leads red and black to balanced line input, shield to ground, white and green to relay control.

PHASING

Positive pressure (movement of diaphragm inward) will generate a positive voltage on the red cable lead with respect to the black lead.

TWO-YEAR LIMITED WARRANTY

Omnitronics, LLC ("ASTATIC") hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event a defect occurs ASTATIC will, at its option, either repair or replace with a new unit of equal or greater value. You should retain proof of purchase to validate the purchase date and return it with any warranty claim. Return warranty claims carefully packed, insured and prepaid to the Service Department at the address listed below.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to ASTATIC's instructions or unauthorized repair. All implied warranties or merchantability or fitness for a particular purpose are hereby disclaimed and ASTATIC hereby disclaims liability for incidental, special or consequential damages resulting from the use or unavailability of this product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Note: No other warranty, written or oral is authorized by Omnitronics, LLC