

Technical Specification

FEATURES:

- TWO INDIVIDUAL OUTPUTS
- INTERNAL MONITOR SPEAKER
- WALL OR SHELF MOUNT
- LOCAL/DISTANCE SWITCH
- SEPARATE BASS AND TREBLE CONTROLS
- OPERATES ON -24 OR 12 VDC POWER SUPPLY



DESCRIPTION:

A FM tuner that may be used as music source to provide background music for both a paging system and music-on-hold for a telephone system. The FM tuner provides two separate outputs each with their own volume control. The tuner is shipped with a FM dipole antenna, Balun transformer and 12 Vdc power supply.

Specifications:

TUNER

Frequency Tuning Range: 87.5 mHz to 108.5 mHz
S/N Ratio: -50 dB
THD: < 2% at rated output

OUTPUTS

Output 1 Power: .5 Watt
Output 2 Power: .25 Watt
Bass: 100 Hz centered
Boost: +10 dB
Cut: -10 dB
Treble 10 kHz centered
Boost: +10 dB
Cut: -10 dB

POWER REQUIREMENTS

Operating Voltage: 12 or -24 Vdc
Current Consumption : 250 mA

HOUSING AND FINISH

Steel housing constructed from 20 gauge material finished in black with a light texture and white graphics.

ENVIRONMENT

Temperature: 0 to 50 °C (32 to 122 °F)
Humidity: 0 to 85% Non-Precipitating

DIMENSIONS AND WEIGHT

6.12" (15.55 cm) H x 8.22" (20.9 cm) W x 1.42" (3.61 cm) D
Weight: 1.5 lbs (0.68 kg)

MOUNTING

Wall or shelf mount

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ARCHITECTS' AND ENGINEERS

The FM Tuner shall have a tuning range of 87.5 MHz to 108.5 MHz. Distortion shall be less than 2% with a S/N ratio of greater than -50 dB. The power output shall be .5 watts on the 8 ohm output and 245 mV on the line output.

The unit shall operate on 12 vdc or -24 vdc with a current consumption of 250 mA.

Tuning aids shall include a signal strength indicator and local/distance switch. The unit shall also include the following features; two separate outputs with independent volume controls, bass and treble controls centered at 100 Hz and 10 kHz respectively providing 10 dB of boost or cut, an internal speaker with a switch allowing station adjustments before sending the music to the sound and telephone systems and a 75 ohm antenna connector. The tuner shall be supplied with an FM dipole antenna, Balun transformer and 12 Vdc power supply.

The FM Tuner shall be a Clarity Model S-FMT-A or equivalent.

The dimensions shall be 6.12" (15.54 cm) H x 8.22" (20.88 cm) W x 1.42" (3.60 cm) D. Approximate weight shall be 1.5 lbs (.68 kg).

Limited Warranty

Clarity warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Clarity indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened. (A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Clarity are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs (*major repairs will be subject to additional charges for parts and labor*).

This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Clarity be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.