



**MR-05B-PA
SERIES
MULTIMODE
SINGLEMODE**

Audio Fiber Optic Receiver & Power Amp

FEATURES:

- ◆ 70 Volt Output to Power Remote Speakers
- ◆ Diagnostics: Power and Optical Presence
- ◆ No user or installation adjustments
- ◆ ST Optical Connector
- ◆ Compatible with AFI Series 05B transmitters

SPECIFICATIONS:

Audio:

Output Power 5 Watts @ 8 ohms
 Output Voltage..... 70Vrms
 Bandwidth 20 Hz to 20 kHz
 THD..... 1.0 %
 Signal to Noise.....65 dB
 Connector Terminal Block

Optical:

Multimode

Wavelength 850 nm
 Loss Budget (62.5/125 μm fiber).....20dB
 Connector ST

Singlemode

Wavelength 1310 nm
 Loss Budget (9/125 μm fiber).....21dB
 Connector ST

Environmental

Operating Temp.....-40°C to +75°C
 Storage Temp.....-40°C to +85°C
 Humidity.....0% to 95% (non condensing)
 MTBF.....>100,000 hours

Power Supply:

Included with modules
 Module Receiver12 VDC/1.5A

Size:

Module:.....8 1/8" x 4 1/8" x 1 1/2"

Ordering information:

Multimode

MR-05B-PA Module Receiver & Amp

Singlemode

MR-05B-PA-SL Module Receiver & Amp



The American Fibertek 05B-PA receiver operates in conjunction with the American Fibertek MT-05B Series transmitters. The link accepts single direction line level audio, 600 ohms balanced or unbalanced, transmits the audio over one multimode or singlemode fiber and provides a 5W @ 70V output to power remote speaker systems.

The audio is transmitted over the link using FM modulation which results in an improved signal to noise ratio and a constant audio output level over the full optical loss budget. Diagnostic indicators provide a quick visual check of system status.

Designed to be completely transparent, these links require no field adjustments at installation or additional maintenance thereafter.

