# **Audio Fiber Optic Receiver & Power Amp**

MR-05B-PA SERIES MULTIMODE SINGLEMODE

#### **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
Humidity0% to 95	% (non condensing)
MTBF	>100.000 hours

## **Power Supply:**

Included with modules
Module Receiver ......12 VDC/1.5A

## Size:

Module:.....81/8" x 41/8" x 11/2"

### Ordering information:

## Multimode

MR-05B-PA Module Receiver & Amp

Singlemode

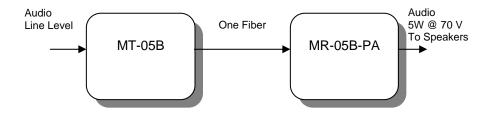
MR-05B-PA-SL Module Receiver & Amp



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.



1/4/15 JPK