

Distribution Amplifier

INSM-2304

For Distribution of Analog Signals

The **LuxLink**[®] INSM-2304 is a distribution amplifier (DA) that accepts an electrical analog input signal and produces four individual electrical output signals for distribution over four separate coaxial cables to other analog receivers.

Integral indicators are also provided to continuously indicate the presence of input signals as well as the presence of operating power making system troubleshooting simple. Units can be mounted in our 1U, 2U, or 3U rack panels, and may be daisy chained providing multiple outputs (e.g. 3 units, in a 1U rack yields 10 outputs)



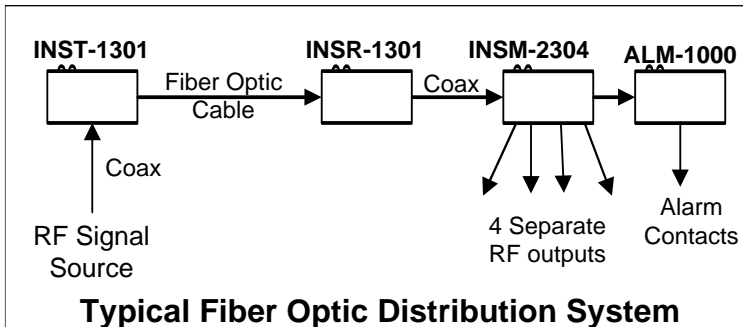
Technical Specifications

Important Features

System bandwidth (per channel)	DC to 100 MHz
Input / Output Levels	1V peak-to-peak
Input / Output Impedances	50 ohms
Signal/Noise Ratio	60 dB minimum
Voltage Noise	14nV/root Hz
Current Noise	1.5pA/root Hz
Differential Gain	0.01%
Differential Phase	0.02 degrees
Second/Third Harmonic	<-40dBc/Hz @10MHz
Linearity & THD	0.1% typical
Propagation Delay	5 nanoseconds
Output channel Isolation	> 40 dB
Offset between outputs	< 6 nanoseconds
Signal Connectors	BNC
Output channels	4
Indicators	Pwr, Signal, Alm
Operating Temperature	-35° to +75°C
Humidity	0 to 95% non-condensing
MTBF (per MIL HBK 217D)	>120,000 hours
Power Requirements*	11-24 VAC/DC @ 350 mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

- **DC to 100 MHz Bandwidth**
- **Fully Adjustment Free**
- **Signal & Power Indicators**
- **Stand-alone, DIN or Rack Mountable (same unit)**

Note that all specifications are subject to change without prior notice.



Typical Fiber Optic Distribution System

Ordering Information

RF Distribution Amplifier

INSM-2304

*For stand-alone operation order a PS-1205 power supply.

*For rack mounted operation all operating power is provided by the power supply used with the rack panel.

LuxLink[®]

Fiber Optic Transmission Systems

www.LuxLink.com
USA 516-931-2800