IRIG Time Code (Modulated) IRGT/IRGR-1001

For High Quality IRIG Point-to-Point Signal Transmission

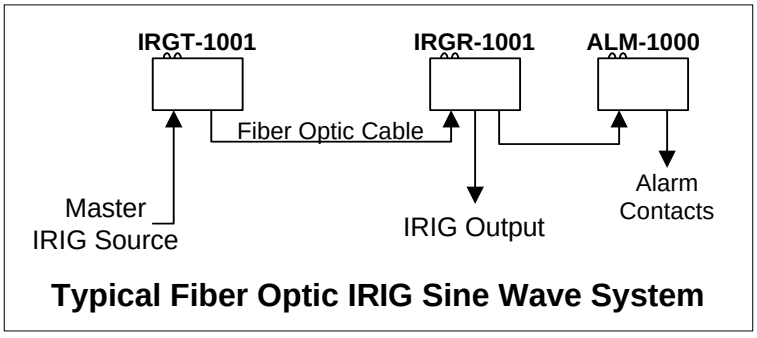
The ***LuxLink***® IRGT/R-1001 system consists of the IRGT-1001 transmitter and IRGR-1001 receiver. Both units are designed for the transmission of high quality IRIG A through H signals for a multitude of time code applications in accordance with conventional IRIG (and similar) specifications. NASA-36 and IEEE 1344 are also supported. Models are hot swappable.

Integral indicators are provided on both units to continuously indicate the presence of IRIG signals as well as the presence of operating power making system troubleshooting simple.

Technical Specifications

Signal Bandwidth	100 Hz to 0.5 MHz (+0,-3dB)
Input / Output Impedance	600 ohms
Input / Output Level	3 volts pp maximum (5 mA)
Protocols	IRIG-A,B,D,E,G,H; NASA36
Signal/Noise Ratio*	60 dB minimum (ref 1Vpp)
Linearity	2% typical
System Delay	45–55ns for multi mode 25-35ns for single mode
Operating Wavelength	850, 1310 or 1550nm
Optical Loss Budget	0-12 dB (multi mode) 0-12 dB (single mode)
Optical Connectors	ST (multi-mode) FCPC (single-mode)
Signal Connector	BNC
MTBF (MIL-HDBK-217)	>100,000 Hours
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
Power Requirements	11-24 VAC/DC @150 mA
Physical Size (mm)	5.0”(127)H x 1.0”(25.4)W x 3.0”(76)L

*Measured with 1Km of 62.5u multimode fiber.
Note that all specifications are subject to change without prior notice.



Typical Fiber Optic IRIG Sine Wave System

Important Features

- ***All IRIG Protocols***
- ***Signal & Power Indicators***
- ***Stand-alone, DIN or Rack Mountable*** ***(same unit)***

Ordering Information

Transmitter IRGT-1001-X
Receiver IRGR-1001-X

Where;
“X” = Wavelength/Fiber

-1 = 850nm Multi mode, ST
-3 = 1310nm Multi mode, ST
-7 = 1310nm Single mode, FC

For stand-alone operation order a PS-1205 power supply for each unit.

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

LuxLink®
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