

## IRIG DCLS Time Code or PPS Distribution

**IRGM-8004**

### *For High Quality IRIG Signal Distribution*

The **LuxLink®** IRGM-8004 is a distribution amplifier (DA) that accepts an electrical un-modulated digital (DCLS) IRIG A through H or PPS input signals and produces four individual electrical output signals for distribution over four separate coaxial cables to other IRIG receivers. NASA-36 and IEEE 1344 are also supported. For optical IRIG distribution amplifier see the IRGM-7004. Contact us if you need a modulated (analog) IRIG see the IRGM-2004.

Integral indicators are also provided to continuously indicate the presence of IRIG 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

Data Rate	DC to 20 Mb/s (1 to 10K pps)
Input Impedance	1.5K ohms
Output Impedance	50 ohms
Input / Output Level	0/5 volts typical TTL
Output Drive Current	40 mA maximum per channel
Bit Error Rate	10E9 minimum
Leading Edge Rise Time	20 nsec maximum
Signal Connector	BNC
Propagation Delay	10 ns typical
Offset between outputs	< 5 ns
MTBF (MIL-HDBK-217)	>100,000 Hours
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
Power Requirements	11-24 VAC/DC @ 275 mA
Physical Size (mm)	5.0"(127)x3.0"(76)x1.0"(25.4)

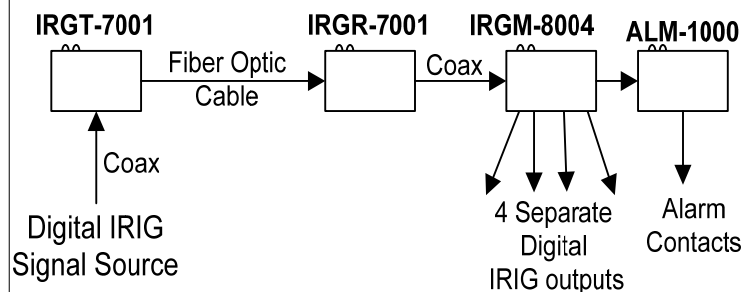
- **4 Buffered Outputs**

- **Cost effective**

- **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 IRIG Distribution System**

### Ordering Information

IRGM-8004-X

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®**

Fiber Optic Transmission Systems

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