

IRIG B to 1 PPS Format Converter

IRGC-1004

For IRIG DCLS <----> Modulated Format Conversion

The **LuxLink®** IRGC-1004 converts a modulated IRIG B analog input signal or an un-modulated IRIG B DCLS signal into a 1 pulse per second DCLS output. The output signal is synchronized with the rise time of the input signal and is ideal when a 1 pps signal is required.

Integral indicators are provided to continuously indicate the presence of IRIG signal as well as the presence of operating power making system troubleshooting simple. Optional ALM-1000 can be utilized if alarm outputs are required. Units can be mounted in our 1U, 2U, or 3U rack panels. For other IRIG distribution products see the IRGM-1004, 2004, 7004, 8004



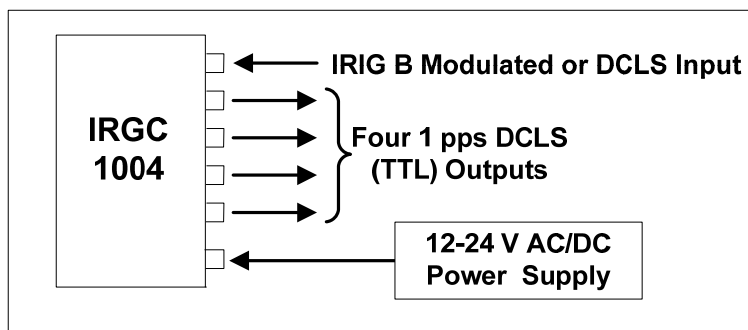
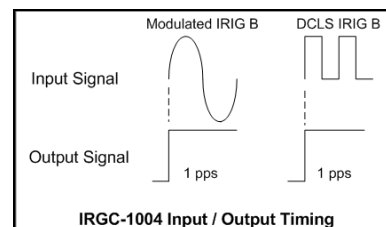
Technical Specifications

Input Formats	Modulated or DCLS
Modulated Signal Input	1 KHz per IRIG B
Modulated Input Impedance	600 ohms
Analog Input Signal Level	1 volt to 3 volts pp
Input / Output Delay	Less than 1 microsecond
DCLS Signal Input	100 pps (TTL)
Output Signal Level	Standard TTL
Output Rise Time	10 Nanosecond maximum
Propagation Delay	< 1 microsecond
Offset between outputs	< 5 ns
Signal Connector	BNC
MTBF (MIL-HDBK-217D)	>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 3.0" (76)D X 1.0" (25.4)W

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

Important Features

- **4 Buffered Outputs**
- **Signal & Power Indicators**
- **Stand-alone, DIN or Rack Mountable (same unit)**



Ordering Information

Model # IRGC-1004

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.