Model REI-2910

Ruggedized GPS to IRIG-B Time Code Generator

Features

- IRIG-B & ASCII (RS-232C) outputs
- Dual 1 PPS output (20% & 50% duty)
- GPS “lock” indicator
- Automatic daylight savings time correction
- Time zone offset
- Rugged aluminum enclosure
- Indoor / outdoor antenna with 18’ cable

General Description

The REI-2910 is a very accurate GPS time code generator. The unit receives time and date information from Global Positioning Satellites and outputs IRIG-B and ASCII (RS-232C) time codes. Two (2) one pulse per second outputs and a GPS “lock” output are also standard features. An eight-channel receiver is employed that is capable of tracking up to eight satellites simultaneously, although reception of only one is required for time data to be output. Several configuration options are available.

Specifications

GPS receiver	8 channels
Power requirement	11-40VDC, 150mA max
Mechanical	Black painted aluminum
Unit size	3.54”H x 4.0”W x 6.0”D

Environmental Specifications*

Storage temperature	-40°C to +80°C
Operating temperature	-15°C to +55°C
Storage humidity	5% to 95%
Operating humidity	5% to 95% (non condensing)
Altitude	-15,000FT to 200,000FT
Vibration	7G’s RMS Random 15-2000Hz
Acceleration	12G’s in all axes
Shock	9G’s, 11ms half-sine

*Design Goals

Specifications subject to change without notice

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