AIRBORNE DISPLAY
IRIG-B TIME CODE READER / COCKPIT DISPLAY

The ES-278 is a six-digit IRIG-B Time Code Reader. The unit receives time code and displays Hours, Minutes and Seconds on bright red 0.4” LED displays. A front panel brightness control and glare resistant filter allow the display to be viewable in a wide range of light conditions. Designed and built for airborne/cockpit environments, the ES-278 assures reliable performance even in the most demanding environments.

Features
• 12 & 28 VDC Power
• Six-digit .4” Red LED Display
• Low Power Consumption
• Long-Life LED Displays
• Front Panel Brightness Control
• Simple Installation And Operation
• Rugged Compact Design For Airborne And Ground Mobile Use
• Automatic Error Detection And Correction
• Wide Operational Temperature Range

The ES-278 receives +10 to +40 VDC via a rear-mounted ITT Cannon #KPT02E-10-98P connector. IRIG-B is received on a rear-mounted BNC connector. Although the unit is intended for real time applications, it is capable of reading IRIG-B from 1/4x to 6x normal speed and includes an error detection and correction feature. The optional “AC” adapter accommodates easy “bench testing” of the ES-278.

SPECIFICATIONS

ELECTRICAL
- Power Requirement: +10 to +40 VDC, 350 mA maximum
- IRIG-B Input Impedance: 25 kΩ minimum
- Mark Amplitude: 10 VPP maximum, 0.3 Vpp minimum
- Mark To Space Ratio: 3:1 nominal

MECHANICAL
- Front Panel: 5.75” Wide x 1.6” High x 1/8” Thick
- Chassis: 5.00” Wide x 1.6” High x 5.50” Deep
- Weight: 1 1/2 pounds
- Options: AC, F, J

AIRBORNE & PORTABLE
1 x 12 IRIG TIME CODE DISTRIBUTION AMPLIFIERS

The ES-262A and ES-282 are 1 x 12 IRIG-A, B, E & G time code distribution amplifiers. The units provide a loop-thru time code input and 12 time code outputs. All time code inputs and outputs are accessible via BNC connectors. The ES-262A is housed in a rugged box enclosure with mounting plate for airborne applications while the ES-282 is housed in a portable rugged box enclosure. Both units use a transformer-less design which takes a single unbalanced input and provides twelve unbalanced single ended outputs.

Features
• IRIG-A, B, E & G Distribution
• Rugged Enclosure
• Unity Gain
• BNC Loop Thru IRIG Time Code Input
• 12 BNC IRIG Time Code Outputs

SPECIFICATIONS

Time Codes: IRIG-A, B, E & G, AM codes
- Gain: Unity Gain
- Input: BNC loop-thru; 50kΩ input impedance
  +14 dbu (11 vpp) maximum input level
- Output: BNC; 100Ω output impedance
  +14 dbu (11 vpp) maximum output level

Response: 20 Hz – 100 kHz, +/- 0.25 dB
- Power Required: +15-30 VDC, 0.75 W max. (ES-262A)
  +28 VDC, 0.75 W max. (ES-282)
- Mechanical: 3.7” x 4.7” x 2.2” (ES-262A)
  4.7” x 7.4” x 2.2” (ES-282)
- Mounting Plate: 5.1” x 4.45” x .125 (ES-262A)