

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 K Ω 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
 Textured-Black Powder-Coated Aluminum
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 transformerless 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



ES-262A



ES-282

SPECIFICATIONS

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

