

PRODUCT DATA SHEET



The RDU-510 has been designed to display IRIG-B, FDME/BUDX, KSC/MILA, IRIG CS-3 and CCS countdown time codes. It also displays IRIG CS-5246, CS-5247 and CS-5248 countdown formats. Two IRIG CS-5 inputs are provided. One for RS-232 and the other for RS-422 data. A DIP switch on the rear panel is used to select between the analog or digital codes, selection of the IRIG CS-5 inputs and IRIG CS-5 formats.

The time code is displayed on a large easy to read 14 digit, 1" height LED display. Hi-efficiency LEDs are used to provide excellent visibility even in brightly lighted areas. The intensity of the display can be adjusted with a front panel intensity control.

The input circuitry of the RDU-510 contains an automatic gain circuit to allow the unit to reliably copy a wide range of signal levels. The software processing of the countdown and time code signals are processed to provide a reliable read out of the received time code. Automatic display blanking is provided when the input signal is lost or when the time code is corrupted.

The unit can either be rack mounted or ceiling/wall mounted.

The RDU-510 comes with a line cord, rack adapters and instruction manual. The unit is covered by our 1 year warranty.

Technical Specifications

Input

Analog Time Code IRIG-B120, IRIG-B123, IRIG-CS3, MILA, FDME/BUDX
(automatic code selection)

CCS Countdown (switch selectable)

Amplitude .5 to 12 Vpp
Modulation Ratio 2:1 to 6:1
Input Impedance 10K ohm, transformer isolated
Physical Connections Isolated BNC connector

Digital Code IRIG CS-5246, CS-5247, CS-5248
Input Levels RS-232
BNC Connector
RS-422
Triax, (BJ77)

Display

Readout Information
IRIG-B120, IRIG-B123 Days, Hours, Minutes, Seconds
IRIG CS3, MILA Minus Sign (blanked for plus count), Days, Hours, Minutes, Seconds
FDME/BUDX Minus Sign (blanked for plus count), Minutes, Seconds
CCS Countdown Minus Sign (blanked for plus count), Hour, Minutes, Seconds, H=hold
IRIG CS-5 H=hold, P=predicted, A=actual, Minus Sign (blanked for plus count),
Days, Hours, Minutes, Seconds
Display Hardware 1" Red Hi-efficiency LED digits
Blanking Display is blanked for analog input signal levels below .5 Vpp.

Power Input

Voltage 110-130 VAC
Frequency 50-70 Hz
Power Consumption 25 Watts

Mechanical

Case Dimensions 3.47 inches high x 17 inches wide x 9 inches deep
Case Material Aluminum enclosure Painted light gray
19" rack mounting with rack mounting ears installed. ¼"-20 threaded
insert on the center of each end. Wall/ceiling mounting bracket is
included.

Weight 9 pounds

Environmental

Operating Temperature 0 to 55 degrees Celsius
Relative Humidity 10 to 90% non-condensing

Specifications subject to change without notice. 082306