

PRODUCT DATA SHEET



The RDU-518 Dual Display Reader provides two separate readouts in a single 1 unit high enclosure. Each input channel of the RDU-518 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 for each channel. One for RS-232 and the other for RS-422 data. A DIP switch on the rear panel is use 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 an easy to read .56" high LED display. Hi-efficiency LEDs are used to provide excellent visibility even in brightly lighted areas. A front panel display intensity control allows adjustment of the display's brightness. Each display contains an alphanumeric character to display H ,A ,P and a plus and minus sign along with 9 digits for the time.

The input circuitry of the RDU-518 contains an automatic gain circuit to allow the unit to reliable 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 RDU-518 comes with a line cord and instruction manual. The unit is covered by our 1 year warranty. The unit can either be rack mounted or ceiling/wall mounted with an optional mounting bracket (MB-518).

The RDU-518 is available in a black or light gray aluminum enclosure. Order RDU-518-BLK for black or RDU-518-GRY for light gray.



Technical Specifications

Dual .56" high digit Time Code Reader

Inputs (Two separate input channels)

Time Code Inputs	IRIG B, IRIG CS3, IRIG CS5, FDME/BUDX, IRIG 109-64, MILA, CCS
Analog Input	IRIG B, IRIG CS3, FDME/BUDX, MILA, CCS
Amplitude	.5 to 12 Vpp
Modulation Ratio	2:1 to 6:1
Input Impedance	10K ohm, transformer isolated
Physical Connections	Isolated BNC connector
Digital Inputs	IRIG CS-5246, 5247, 5248, IRIG 109-64
Physical Connections	Isolated BNC connector (RS-232) Triax Connector, BJ77 (RS-422)

Display (Dual Side by Side Display)

Format	Two separate independent displays
Readout Information	
IRIG-B120, IRIG-B123	Days, Hours, Minutes, Seconds
IRIG CS3, MILA	Minus and Plus Sign, Days, Hours, Minutes, Seconds
FDME/BUDX	Minus and Plus Sign, Minutes, Seconds
CCS Countdown	Minus and Plus Sign, Hour, Minutes, Seconds, H=hold
IRIG CS-5	H=hold, P=predicted, A=actual, Minus and Plus Sign, Days, Hours, Minutes, Seconds
Display Hardware	.56" Red Hi-efficiency LED digits with plus/minus sign
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	1.75 inches high x 19 inches wide x 6 inches deep
Case Material	Aluminum enclosure painted black (-BLK) or light gray (-GRY).
Mounting	19" rack mounting
Weight	9 pounds

Environmental

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

Specifications subject to change without notice. 011916