MODEL 3700
REMOTE TIME DISPLAY

The Model 3700 series of Remote Displays accept serial time code inputs such as IRIG, NASA and XR, (real or countdown time), convert the code from the serial to parallel format and display the derived time on LED indicators. The resultant use of coaxial or twisted pair cables in lieu of multiwire cables (as required for parallel input displays) reduces cable installation and saves money.

The 3700 Remote Time Display is produced in mechanical configurations to meet specific applications such as:

        Desk top mount
        Ceiling mount
        Standard rack mount

SPECIFICATIONS

Input Code

IRIG, NASA and XR serial time code formats. (Specify one format at time of order):

Type:	Carrier amplitude modulated
Contents:	Real or countdown time
Carrier:	1KHz sine wave (or that typical to the particular format)
Modulation Ratio:	2:1 to 6:1
Rate:	1:1

Input Voltage Level: 0.5 to 8 volts, peak to peak

The unit contains an automatic gain control amplifier (AGC) to condition the input signal. This permits the unit to be installed in remote areas where the time source may be degraded.

Output Code

The input code is buffered and output through a rear panel BNC connector. This enables the daisy chaining of multiple units.

Amplitude:	Same as input ±5%
Modulation Ratio:	Same as input
Drive Capability:	600 ohms (balanced or single ended, please specify)

Display

Front panel LED time display of decoded time.

Format:	7 segment or dot matrix
Character Height:	Available in 0.5, 1, 2 or 3-inch heights

Power

115 volts AC ±10%, 50 to 70Hz

Environment

Operating Temperature:	0°C to +50°C
Storage Temperature:	-40°C to +100°C
Relative Humidity:	0 to 95% relative, without condensation

Mechanical

Desk top configuration:

Width:	8 inches (20.3 cm)
Height:	1.75 inches (4.4 cm)
Depth:	8 inches (20.3 cm)

Rack mount configuration:

Width:	19 inches (48.3 cm)
Height:	1.75 inches (4.4 cm) for a display character height of 0.5 inches, 3.5 inches (8.9 cm) for character heights of 1 or 2 inches
Depth:	12 inches (30.5 cm)

Options

A.	Parallel BCD Time Data Output
B.	Wall/ceiling Mount