

# MODEL 6135A MINIATURE AIRBORNE TIME CODE DISPLAY

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## FEATURES

- Only 3.5 inches wide, less than 1.0 inches high and weighs only 3 ounces.
- IRIG B time code decoder.
- Front panel intensity adjustment.
- Internal clock, maintains time in absence of IRIG time code signal.
- Designed to meet “Safety of Flight” requirements.
- Powered by 16 to 38.



## DESCRIPTION

The ITS Model 6135A Miniature Time Code decodes and displays the IRIG B Serial Time Code. The unit displays the time as Hours, Minutes and Seconds on an LED display. The 6135A displays the applied time code, or in the absence of an applied signal, the internal clock. Display is six digits, HH:MM:SS. The display intensity is user adjustable via a front panel selector switch. If there is a loss of serial time code input, the displayed colons flash at a 1Hz rate to alert the operator that the unit is operating on the internal clock.

The 6135A is housed in a flange mountable aluminum enclosure, 3.55 inches wide, 0.95 inches high and 2.0 inches deep (not including rear panel connector). All circuitry is on SMT printed wiring assemblies.

Power and the serial time code signal are applied via a single rear panel connector.

The 6135A is powered by 16 to 38 VDC. It is designed to meet “Safety of Flight” requirements..

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## SPECIFICATIONS

<b>Time Code Input</b>	IRIG B serial time code IAW IRIG Standard 200-98, Input level .5 to 15 volts peak to peak with modulation ratio from 2:1 to 6:1. Input connector: Shares 9 pin D connector with power.
<b>Display</b>	Six character, seven segment, LED, Red. Character Height: 0.3 Inches.
<b>Intensity:</b>	Controlled by front panel mounted, eight position rotary switch. Provides for screw-driver selection of eight intensity levels.
<b>Internal Reference</b>	Temperature compensated crystal oscillator, TCXO $\pm 2 \times 10^{-4}$ (Active in absence of time code input)
<b>External Power:</b>	16 to 38 Volts DC. Connector: Shares 9 pin D connector with IRIG B in.
<b>Temperature:</b>	0°C to +55°C
<b>Humidity</b>	95% non-condensing
<b>Package</b>	3.55 inches wide, 0.95 inches high and 2.0 inches deep (not including rear panel connector).
<b>Construction</b>	Designed to meet "Safety of Flight" requirements.