





## **Digital GPS Clock**

Manufactured by Mid-Continent Instruments and Avionics

2-INCH DIGITAL CLOCK SYNCS WITH A GPS SOURCE, PROVIDES MUITIPLE TIMERS AND MODES

The new MD23-190 multi-function clock features UTC Time, Local Time and multiple Timers. It displays smooth, high-resolution graphics and receives ARINC 429 input to sync with a GPS source. The MD23-190 maintains accuracy, even if GPS input is unavailable. It can output time to external equipment and provide Estimated Time (ET) to your next waypoint. Night Vision Imaging System (NVIS) compatible versions are available.

- Clock settings include 12- or 24-hour mode and seconds ON or OFF
- Fits standard 2-inch panel cutout
- Rechargeable, field-replaceable emergency battery (available)
- Lightweight 0.4 lbs
- Simple user interface Single, push-and-turn control knob
- Daylight readable LCD and smooth, high-resolution graphics
- Manual external lighting control or built-in photocell for automatic dimming
- Night Vision Imaging System (NVIS) compatible (available)
- Field-upgradeable software via standard USB-A port
- TSO-certified (Design Assurance Level A)
- Designed and built in Wichita, Kansas, USA
- Two-year limited warranty

Local Time, UTC/Zulu Time, Flight Timer, Countdown Timer, Stopwatch, Date, Time to Waypoint, Hobbs, Run Timer

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## **SPECIFICATIONS**

Power Input 10-32 VDC

0.14A @ 28 VDC; 4 watts nominal

Data Input ARINC 429 Low or high speed; Labels 150, 252

Data Output ARINC 429 Low or high speed; Label 150

5, 14, or 28 VDC external control or internal photocell for automatic dimming Lighting

Rechargeable coin cell (memory only) Battery

Rechargeable, field-replaceable emergency battery power supply (available)

P/N 6430006-(1)

Technology Nickel Metal Hydride (NiMH)

Attributes 0.25A @ 24 VDC nominal (6 Wh capacity)

Run time 60 minutes @ 0.25A

0.4 lbs (0.17 kg) Weight

Mounting Rear panel mounted, (4) #6-32 screws, 2.25-inch round bezel

**Dimensions** 2.43 x 2.43 x 1.0 inches (61.7 x 61.7 x 25.4 millimeters)

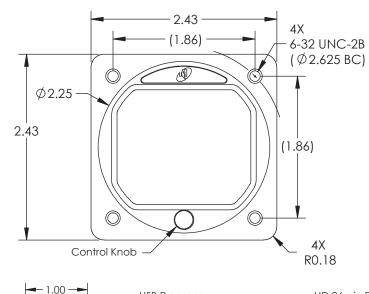
Mating Connector P/N 9019162-1 26-pin, D-Sub electrical connector (Quick Disconnect)

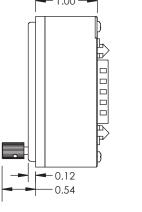
Certification FAA TSO certified to C113b

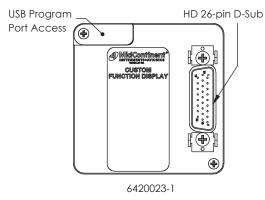
RTCA DO-160G qualified

RTCA DO-178C qualified, Design Assurance Level (DAL) A

U.S. Patent 11.048.389 Rights







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