

M A C K E N Z I E

MAC-TAC-GPS

LARGE DIGIT, SELF ADJUSTING REAL TIME CLOCK

Preliminary

Key Features:

- Automatically synchronizes via the Global Positioning System(GPS)
- Unattended operation
- Maintains time without power
- Battery backup
- Industrial housing for increased durability
- Intelligent design for installation/replacement ease
- Automatically adjusts for Daylight Savings
- 3" high digits for maximum visibility



The MAC-TAC-GPS is a large digit, self adjusting real time clock designed for high visibility, unattended operation. MAC-TAC's 3" high digits offer a wide viewing angle in a variety of lighting conditions. MAC-TAC incorporates a GPS receiver and processor which automatically synchronizes time with a network of 24 satellites operated by the US Department of Defense.

MAC-TAC is ideal for applications where time accuracy without user intervention or monitoring are important. Examples include train, bus, wayside terminal, airport, school, hospital and auditorium. MAC-TAC implements a 12 hour time scheme, reporting hours and minutes. MAC-TAC automatically compensates for Daylight Savings time.

Simply install the MAC-TAC, configure time zone, then provide power and you are done! Upon power up during optimal reception conditions, the system will automatically set to the correct time and remain accurate within one tenth of a second. Even if power is lost, the internal battery backup will continue to keep time until power is returned.

MAC-TAC-GPS is the latest offering in Mackenzie's line of cutting edge products for transportation, amusement, education and industry.

Package/Dimensions:

Clock	Painted steel chassis, 13" W x 5.5" H x 1.7" D
Antenna	ABS plastic, 1.69" W x 2" H x 0.75" D

Display:

Digits	Four, 3" high, 7-segment displays
Color	Green(-G) or Red(-R)
Intensity	30mcd typical per segment

Receiver/Decoding:

Type	GPS
Sync	Up to twice per hour
Accuracy	0.1 second

Battery Backup:

Type	9V, alkaline
Duration	one year

Power:

Type	9 - 28 VDC
Connection	Locking circular connection

The GPS (Global Positioning System) is a "constellation" of 24 well-spaced satellites that orbit the Earth and is operated by the US Department of Defense. Each satellite contains a computer, an atomic clock, and a radio. With an understanding of its own orbit and the clock, it continually broadcasts its changing position and time.

Making A Difference, One At A Time

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