

The Connor-Winfield Corporation

2111 Comprehensive Drive

Aurora, Illinois 60505

Phone: 630-851-4722 | Fax: 630-851-5040

For Immediate Release

May, 2010

Contact: Dave Jahr  
630.851.4722 x 5513

## Connor-Winfield's New TiMax FTS375 GPS Disciplined Oscillator with Holdover and Exceptionally Low Jitter Ideal for High Precision GPS Based Timing Applications

**Aurora, IL** – Connor-Winfield Corporation announces the release of a new high performance GPS disciplined oscillator, adding to the successful line of GPS driven timing and frequency products. The FTS375 is an OCXO based module that offers superior timing and frequency characteristics with outstanding phase noise and holdover in a compact, cost-effective design.

Connor-Winfield's new FTS375 is a GPS driven, mixed signal phase lock loop, providing a 1 PPS CMOS output and generating a 10 MHz CMOS and 10 MHz SINE output from an intrinsically low jitter voltage controlled crystal oscillator. The FTS375 can lock to a 10 MHz reference derived from the on-board GPS receiver, or to an external 10 MHz or 1 PPS reference. Alarms are provided to indicate Loss-of-Lock, Holdover and Antenna Fault. The on-board GPS receiver requires an outdoor mounted GPS antenna for best stability and consistent performance. The mode control inputs are used to manually switch between references and/or holdover. The user application should monitor the alarm outputs and manually switch modes as needed. Serial I/O lines provide access to the NMEA messages from the GPS receiver and can be used to access GPS timestamp information or to verify that the receiver has recovered from an alarm condition.

The FTS375's flexibility in configuration and minimal cost, minimal space design make it ideal for use radio base stations, digital video broadcast equipment, 3G and WiMax base stations, synchronization source applications, and power, utilities and public service applications.

### Features:

- Phase locked to 10.0 MHz output
- 1 PPS output
- 3 selectable references: GPS, external 10 MHz or external 1 PPS
- Holdover
- 3 alarm outputs: loss of lock, holdover and antenna fault
- Serial input and output ports (GPS receiver)
- Master reset
- +3.3 V power supply
- Temperature range: 0°C to 70°C
- Meets ITU-T G.811 wander generation mask
- MCX (F) antenna connection
- 3.937 x 1.969 x 0.708 " (100 x 50 x 17.98 mm)
- Optimized for use in fixed position applications

Pricing is \$300 in volume

For more information contact:  
The Connor-Winfield Corporation  
Tel: 630.851.4722  
www.conwin.com  
sales@conwin.com

