



PRECISION PRODUCTS The World's First GPS Controlled Wireless Clock System

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## Wireless Clock System

### Technical Guide



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**(Patents Pending)**

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**Our mission is to offer innovative technology solutions and exceptional service.**

First Menu Level Mode Number	Second Menu Level	Value Range	Mode Description and Instructions
			<p>0 = (default) Single master clock operation - send time packets even if other master clocks are also sending time packets. The master clock will continue transmitting even if the sync source is lost.</p> <p>1 = Primary master clock operation only when sync active - When two master clocks are used, set Mode 32-69=1 on one of the master clocks, and set Mode 32-69=2 on the other master clock. If High Precision (H), GPS (G) or NTP (E) sync is lost on the primary master, it will cease time transmissions. The secondary master will then take over and resume time transmissions. When the primary master receives a time update, or the high precision oscillator is active, it will resume time transmissions and the secondary master will cease transmissions.</p> <p>2 = Single or Secondary master clock operation – if time transmissions from other master clocks are detected, the secondary master clock will not transmit time packets until other time transmissions cease. In this configuration, the secondary master clock automatically backups the primary master clock. The loss of time source sync will not disable time transmissions.</p> <p>Both primary and secondary master clocks will receive GPS and/or NTP time updates whether they are transmitting time packets or not.</p> <p>In dual-redundant master clock configurations, a “P” on the upper left of the display indicates that it’s configured as a primary master clock. An “S” indicates it’s configured as a secondary master clock.</p> <p>In a single master clock configuration, the “S” indicates single mode operation. In this mode, the clock will transmit whether or not it is receiving time updates.</p> <p>See also Mode 32-72</p>
32	71		<b><u>Reserved</u></b>
32	72	0-99	<p><b><u>Time Transmission Delay Duration</u></b>            0=99            1=default            Delay in minutes to stop time transmissions.</p> <p>See also Mode 32-69</p>
32	73	0-3	<p><b><u>Time Transmission Period Control</u></b>            0= transmit time once per second            1= transmit when second unit equals 1, 4 or 7            2= transmit on the even second (default)            3= transmit on the odd second</p> <p>This mode configures the time packet transmission rate as indicated above.</p>
32	81	0-3	<p><b><u>Ultra-High Precision Oscillator Support</u></b></p> <p><b>Oven Controlled (OCXO) and Rubidium (RbO) Oscillator Configuration</b></p> <p>0 (default) disable ultra-precision support,            1=calibrate the TCXO using the OCXO or RbO once per minute,</p>