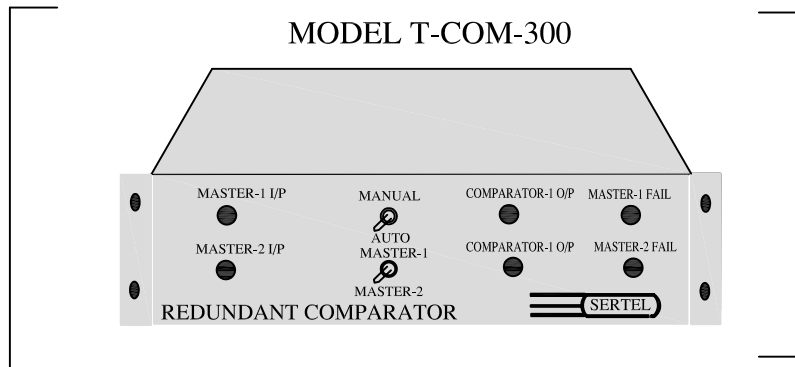


SERTEL GPS TIME SYNCHRONIZE SYSTEM

REDUNDANT COMPARATOR FOR REDUNDANT MASTER CLOCK



- * TWO COMPARATOR COMPERSED IN ONE UNIT
- * NO TIME DELAY DURING FAIL OF ONE INPUT
- * AUTO MANUAL PROVISION
- * FAIL ALERT CONTACT OUTPUT

REDUNDANT COMPARATOR

MODEL : T-COM-300

TYPE : Micro Controller Based

Time Ref : Oven Controlled Crystal Oscillator Stability of 1 PPM with the Temperature range 0-50deg-c

Time Accuracy : Better Than 1 PPM With GPS Signal 1 Micro sec

Input for Time sync-: Time, Date &Data from Redundant Master Clock

Input Connector : 9 Pin "D" Connectors Master Clock Signal Input

Outputs : RS 232,Pulse,IRIG B,Differential pulse to drive Slave Clock, Analog Clock pulse output
Data output to TCP/IP or NTP Output for PC Sync--
Alarm Contact output for status

Supply Voltage : 24V DC Supply from Power supply

Environment : a)Temp.0-50 Deg.C , b) RH 0-90%Non Condensing

Indication: Redundant Master Clock Input /Output sig-status
Front side :Comprator output status By LED Indication

Back Side:All Input Output Terminals and ON OFF Switch

Mounting : 19" Rack Panel Mount

Dimension : 484 W x 325 D x 3U H

HOT Redundant Comparator Receives Time signal Generated by Master Clock A and Master Clock B The Comparator Compares the received Signals and gives The Healthy Signal as Out put.

If any one Master Clock Fails Automatically it accepts The Signal from other Master Clock Without any time delay and gives output. The output of this Comparator unit is Connected to the respective SIGNAL CONDITIONER.

The Hot Redundant Comparator unit Generate the Following Output

1. Differential pulse output to drive any number of Slave Clock and Analog Clock
2. RS 232/422/485 Output
3. Pulse output
4. IRIG B Outputs (1Khz and TTL O/P)
5. Voltage Signal Output 5V,12V,24V,48V etc
- 6.Time & Date data pack to PC Synch--via TCP/IP or NTP

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