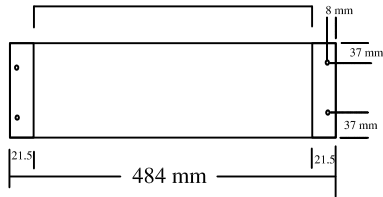
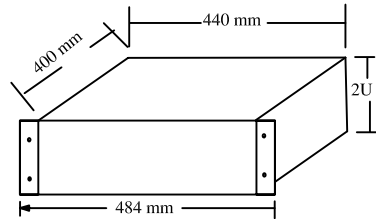


MECHANICAL DIMENSION

FRONT CUTOUT SIZE



19" RACK DIMENSION



Sertel Equipment meets the type test for the standard of IEC 255-IV

- | | |
|--|----------------------|
| 1. Electrical fast transient test as per | IEC 61000-4-4, 2001 |
| 2. Electrostatic discharge test as per | IEC 61000-4-2, 2001 |
| 3. High energy surge test as per | IEC 61000-4-5, 2001 |
| 4. Radiated susceptibility test as per | IEC 61000-4-3, 2002 |
| 5. Conducted RF immunity test as per | IEC 61000-4-6, 1996 |
| 6. 1.0MHZ damped oscillatory surge test as per | IEC 61000-4-12, 2001 |
| 7. Power Frequency magnetic field test as per | IEC 61000-4-8, 1994 |

OTHER RANGE OF PRODUCT

PROCESS CONTROL

- * Digital process Indicator/Controler.
- * Strip Chart/Circular Chart Recorder.
- * Process/Power Scanner 12pt/6pt.
- * Thermocouple RTD's/MTTC.
- * System Integration involving AC/DC VFD Drives/ Scada PLC's,DCS.
- * Transducers for process and power measurement.
- * Instrument/Control Panel.

POWER SUPPLY

- * SMPS- Power Supply.
- * Regulator Supply
- * AC/ DC 90 to 260V Supply
- * DC to DC Supply System

PC synchronisation

- * Access Control System/ Attendance Monitoring.
- * Data transfer Machine to Machine Through GSM.

TIME SYNCHRONISATION

- * Central Satellite Clocks.
- * Satellite Based Time Synchronization System.
- * GPS Receiver.
- * Time Code Generator-IRIG B-Reader.
- * Time Up/Down Counter.
- * Hand Held GPS Receiver.
- * Large Display & Remote Display Unit.
- * Crystal -OCXO/VCXO/TCXO.

VEHICLE TRACK

- * Automatic Vehicle Track(AVL) unit.
- * Asset Locator and Remote Monitoring
- * Asset Locator of Time and Position.
- * Asset Vehicle Locator GPS/GSM/CDMA/GPRS. With Mapping Solutions.
- * Wireless-GPRS-Distance Transfer of Data PC to PC.

Communication

- * Line Driver/Line Receiver
- * RS 485/RS 232 Converter
- * Digital Multimeter.

Our Sister Concerns:
TELEVISION & ELECTRONIC SERVICES
TELSEER ELECTRONICS PVT. LTD.

Manufactured by :

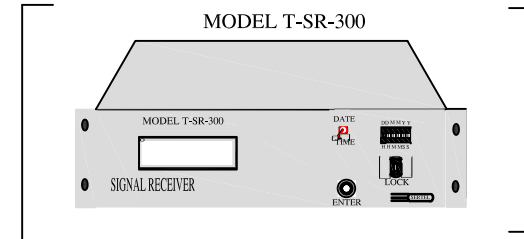
SERTEL ELECTRONICS PVT.LTD.
377 , Nehru Nagar first cross Street
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Email: telseer@md4.vsnl.net.in
Web: www.telseer.net

Authorised Dealer



SERTEL GPS TIME SYNCHRONIZE SYSTEM

SIGNAL RECEIVER



- * EXTERNAL TIME SIGNAL RECEIVER,
- * NO TIME DELAY DURING SYNCHRONISATION,
- * MANUAL SETTING PROVISION FOR TIME & DATE,
- * FAILS ALERT CONTACT OUTPUT.

SIGNAL RECEIVER

MODEL : T-SR-300
TYPE : Micro Controller Based
Time Ref : Oven Controlled Crystal Oscillator Stability of 1 PPM with the Temperature range 0-50deg-c
INPUT Signal : From external GPS or Master Clock Data (Like RS 232 , 422,485 and IRIG B(AM)signal)
Time Accuracy : With GPS Signal 1 Micro sec, With Master 1PPM
Input Connector : 9 Pin "D" /BNC/Terminal Connector
Outputs : RS 232 OUTPUT
 PULSE OUTPUT SEC,MIN, HOUR, DAY
 IRIG B (AM) and IRIG B TTL OUTPUT
 Data output to TCP/IP or NTP Output for Sync--
 DCF 77 OUTPUT
 Alarm Contact output for status
Maximum Output : 8 Nos Output From one signal Receiver
Supply Voltage : 90 to 260V AC/ DC Supply from Power supply (OTHER Voltage Consult us)
Environment : a)Temp.0-50 Deg.C , b) RH 0-90%Non Condensing
Provision : Manual Time and Date Setting when I/P Signal Non Available Condition
Front side : Manual Time Setting Keys and Display
Back Side : All Input Output Terminals and ON OFF Switch
Mounting : 19" Rack Panel Mount
Dimension : 484 W x 325 D x 2U H

Signal Receiver receive Signal & Data From GPS Receiver / Master Clock/ Redundant Comparator Compares the received Signals and gives The Healthy Signal as an Out put.

Signal Receiver Drive as following outputs Required bases

1. Differential pulse output to drive any number of Slave Clock and Analog Clock
2. RS 232/422/485 Output
3. Pulse output (Second, Minute, Hour, Day Pulse User Selectable . (Normal Factory Setting 50m sec TTI level Variable from 50 msec to 999 msec)
4. IRIG B Outputs (1Khz AM and TTL O/P)
5. Voltage Signal Output 5V, 12V, 24V, 48V etc
6. Time & Date data pack to PC / Relays Synchron-- TCP/IP ON NTP, SNTP , and NTP
7. DCF 77 Output
8. Frequency outputs
9. Potencial(PFC) Contact Output
10. Video Text and Time insert for CC TV Monitors From Signal Receiver 08 Nos. are provided

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Product development is continuous Information given in this is therefore subject to change.