GPS NETWORK TIME SERVER NTS 01

NTS 01 – GPS Network Time Server

- An economic network time synchronization solution with excellent timing accuracy (to within 1 millisecond of UTC).

- Designed for synchronizing industrial control and SCADA networks.

- Provides NTP/SNTP Network Time Server function, featuring DHCP or programmable fixed IP address, SNMP supervision.

- Offers UTP network interfaces for functioning as a Stratum 1 Time Server.

- Available with either 2 or 5 ports, each port functions as an NTP Time Server.

SPECIFICATIONS

NTS 01 – GPS Network Time Server

Physical

- Antenna: 80mm diameter x 60mm high cone.
- NTS 01 unit:
  - 1U 19" rackmount
  - 160mm wide x 40mm high x 160mm deep
  - Display LCD 2 line x 16 char

Outputs

NTS 01

- 2 RJ45 UTP connectors
- 10Mbs Ethernet port (10 baseT)
- Each port has a unique programmable IP address

Expansion Unit (Optional)

- 3 RJ45 UTP connectors
- 10Mbs Ethernet port (10 baseT)
- Each port has a unique programmable IP address

Protocols supported:

- ARP, TCP, ICMP, Telnet, TFTP, DHCP, SNMP and BOOTP

Client protocols supported:

- NTP/SNTP

Power Supply

Range Options:

L = 12-36Vdc
M = 20-72Vdc
H = 90-300Vdc
240Vac-24Vdc GPO plug pack
Power Drain: 3W max (dependent on load attached)

Environmental

Antenna:

Operating temperature: -40°C to +85°C
Humidity: To 100%

NTS01 unit:

Operating temperature: -10°C to +65°C
Humidity: 95% non condensing

Accuracy

- Output accurate to within 1 millisecond of UTC when 4 or more satellites being tracked.

NTS 01 Kit Contents

- GPS antenna
- 15m length antenna cable (see options below)
- NTS 01 unit
- 1U 19" rackmount
- 2m CAT5e UTP drop lead
- Configuration s/w and USB cable
- User manual

Options

- Lightning Protection Kit

  Includes protector unit plus cable connectors, tool for installation, and instructions – also available as a separately orderable item.

- Optional Expansion Unit (3 UTP ports)

- Antenna cable options:
  Standard: 15m (50ft) antenna cable
  Opt 30m: 30m (100ft) antenna cable
  Opt 60m: 60m (200ft) antenna cable

All specifications subject to change without notice