

Network Time Displays



4 digit 3.2" display is shown

Brandy wine's family of Network Time Displays provides maintenance free display of time. They receive their time over a standard computer network, by interrogating a network time server.

The Network Time Displays use the Internet standard for time transmission, Network Time Protocol (NTP) to synchronize themselves automatically to a network time server.

Using existing standard network cabling and makes installation of the Network Time Displays simple and straightforward. No dedicated wiring is required when using the Ethernet as the synchronizing source.

Once connected to the network, the display can automatically receive a network address using DHCP protocol. Software utilities are provided that will automatically identify any Network Time Displays on the network, to allow configuration from a single PC. Individual displays have the capability of displaying their own address by means of a rear panel push button, which can also be used to set the display brightness.

Time can be displayed as either 12 hour or 24 hour time format. A built in web browser allow the user to control which time source will be used, time zone and daylight saving set-up and display brightness. Full password protection for changing settings is provided on all units.

All displays include an RS232/422 broadcast time port, with user specified time message for synchronizing external equipment.

All displays may also be synchronized from an RS232/422 ASCII serial source or optionally, an analog time code such as IRIG B.

Network Time Displays are available in either 4 digit (HH:MM) or 6 digit configurations (HH:MM:ss).

Network Time Displays are available in a variety of configurations, including

- A desktop/console mount unit with 0.5" characters
- A 1U 19" rack mount unit with 0.5" characters
- A wall/ceiling mounted unit with 3.2" character height
- A wall/ceiling mounted unit with 5" character height suitable for larger public spaces.

Available display colors are Red, Green, Yellow and Blue

Other available options for the family of Network Time Displays include addition of a built-in GPS, which transforms the unit into a Network Time Server.

Features:

- ☐ **Digital Clock Automatically Synchronizes with NTP servers over Ethernet network**
- ☐ **0.5", 3.2" or 5" display sizes**
- ☐ **Remote network management**
- ☐ **Time Zone and Daylight Saving support**
- ☐ **Multiple colors**
- ☐ **Optional Network Time Server version with built in GPS receiver**
- ☐ **Optional built in IRIG B time code reader**



NTD SPECIFICATIONS

Network Protocols

NTP
SNTP
DHCP
TCP/IP
UDP

			2			
Green	061000095	061000099	061000103	061000107	061000110	061000114

Connections

Network 10/100baseT Ethernet
Connector RJ45
Serial output RS232 or RS485 (link selectable)
Baud rate 1200 – 115200 baud
Connector DB9

Synchronizing inputs

Standard
Ethernet NTP
ASCII Standard protocol below, others available on special order
Protocol STX DD/MM/YY HH:MM:SS<CR>
Hardware RS232/485 (link selectable)
Baud rate 2400, E, 7,1
Optional GPS receiver
IRIG B time code

Overall Dimensions

	4 DIGIT	6 DIGIT
0.54 console	N/A	1.85"x7.44"x4.75"
0.54" rack mount	N/A	1.75"x19"x4.5"
3.2" wall mount	6"x10.5"x2.62"	6"x15"x2.62"
5" wall mount	8"x 18.3"x2.75"	8"x 25"x2.75"
Power	95-265 VAC universal	

Ordering Information

Standard	4 DIGIT		6 DIGIT			
	3.2"	5"	3.2"	5"	Console	Rack
Red	061000051	061000068	061000053	061000070	061000080	061000086
Yellow	061000059	061000076	061000061	061000078	061000081	061000087
Blue	061000031	061000064	061000033	061000066	NA	NA
Green	061000055	061000072	061000057	061000074	061000082	061000088
W/ GPS						
Red	061000052	061000069	061000054	061000071	061000083	061000089
Yellow	061000060	061000077	061000062	061000079	061000084	061000090
Blue	061000032	061000065	061000034	061000067	NA	NA
Green	061000056	061000073	061000058	061000075	061000085	061000091
W/IRIG B						
Red	061000092	061000096	061000100	061000104	061000108	061000111
Yellow	061000093	061000097	061000101	061000105	061000109	061000112
Blue	061000094	061000098	061000101	061000106	NA	NA



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SetupTimeDisplayPasswordReferenceHelp

Setup

This tab contains all of the NTP to Serial basic setup functions. It will allow you to setup the NTP server address, network mask, client address and gateway address. For more information, please refer to the user manual.

System: Version: NTD V2.2 May 5 2004 08:33:43
Unit Location:

IP Address: DHCP: ☒ Enable ☐ Disable
Device IP Address:
Device Subnet Mask:
Device Gateway:

NTP Server: NTP IP Address: ☐ Restart control loop
Query Interval: seconds [\(Note\)](#)

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Time Settings

There several settings that are associated with time. These settings are time zone, daylight saving time and the serial time output. Below are settings to help manage the time on the system.

Serial Output (TOD): [\(Format Help\)](#) Format:
Example: ☐ 00/00/00 15:20:03

Baud:
Data Bits:
Stop Bits:
Parity:

Time Zone Settings: Time Zone: Hour [\(Time Zone Help\)](#)

Daylight Saving Time: Automatically adjust clock for daylight saving changes: ☒

Daylight Saving Time: (Advanced) Daylight saving offset (DSTO): Hour [\(DSTO Help\)](#)
Daylight saving start: [\(Daylight Saving Help\)](#)
 DSTO at on the in
Daylight saving stop:
 DSTO at on the in

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