brandywine communications

Network Time Displays



Features

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

Brandywine'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 displays 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 allows the user to control which time source will be used, time zone and daylight savings 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

brandywine communications

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 5.0" character height suitable for larger public spaces.

Specifications

Network Protocols

NTP SNTP DHCP TCP/IP UDP

Module Connections

Network: 10/100 baseT Ethernet

Connector: RJ45

Serial Output: RS232 or RS485 (link selected)

Baud rate: 1200-115200 baud

Connector: DB9

Synchronized 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 selected)

Baud rate: 2400, E, 7, 1

Optional Inputs:

GPS Receiver - 8 Channel C/A code

IRIG B Time Code Reader - Code: IRIG B122

Amplitude: 2V-3.5Vp-p

Overall Dimensions

4 DIGIT
0.54 Console
0.54" Rack Mount
N/A
1.85"x 7.44"x 4.75"
0.54" Rack Mount
N/A
1.75"x 19"x 4.5"
3.2" Wall Mount
6"x 10.5"x 2.62"
5" Wall Mount
8"x 18.3"x 2.75"
8"x 25"x 2.75"

Power 95-265 VAC Universal

brandywine communications

Ordering Information

Standard	A DIOIT C DIOIT					
	4 DIGIT		6 DIGIT			
	3.2"	5"	3.2"	5"	Console	Rack
Red	061000051	061000068	06100005	06100007	06100008	061000086
			3	0	0	
Yellow	061000059	061000076	06100006	06100007	06100008	061000087
			1	8	1	
Blue	061000031	061000064	06100003	06100006	NA.	NA.
			3	6		
Green	061000055	061000072	06100005	06100007	06100008	061000088
			7	4	2	
W/ GPS						
Red	061000052	061000069	06100005	06100007	06100008	061000089
			4	1	3	
Yellow	061000060	061000077	06100006	06100007	06100008	061000090
			2	9	4	
Blue	061000032	061000065	06100003	06100006	NA.	NA.
			4	7		
Green	061000056	061000073	06100005	06100007	06100008	061000091
			8	5	5	
W/IRIG B						
Red	061000092	061000096	06100010	061000104	06100010	061000111
			0		8	
Yellow	061000093	061000097	06100010	061000105	06100010	061000112
			1		9	
Blue	061000094	061000098	06100010	061000106	NA.	NA

