

NTP 8000 Series Server (V4)

Features:

- (S)NTP Server
 - Distributes time to all devices on the network, including IP clocks
- LED display for a clear, accurate readout
- Two line, backlit LCD display with 20 characters per line
- Improved 2x8 rubber pushbutton keyboard
- Included Web Interface software
 - Extremely intuitive graphical user interface that allows the user to configure all of the settings of the NTP Server through a simple web browser
 - Easy programming of the NTP server's four or eight auxiliary relays for scheduling.
 - Control of all of the IP settings
 - View complete lists of all the pre-programmed events and schedules
- (S)NTP Client Redundancy
 - Up to 10 outside server addresses can be pre-programmed into the unit for continuous accurate synchronization
 - DHCP Capable
- Interfaces with other systems
 - Interfaces with 59 and 58 minute correction, National Time and Rauland, as well as Dukane digital
- 12 or 24 hour mode
- Automatic bi-annual Daylight Saving Time changes (when used as a primary master clock)
- Bias seconds output
 - Adjust the time plus or minus a few seconds or minutes to fit your application, while still receiving an input from another source
- Microprocessor based

Optional Features a la Carte:

- Four or eight configurable auxiliary relays (zones)
 - 800 event capability
 - 255 pre-programmed schedule changes
 - Two (2) programmable signal durations per circuit
- GPS input
- Wireless Transmitter/Repeater for correction of the SAL series analog clocks or SBL 3000 series digital clocks
- Count down feature
 - Digital clocks will countdown a preset amount of time when the relay is activated



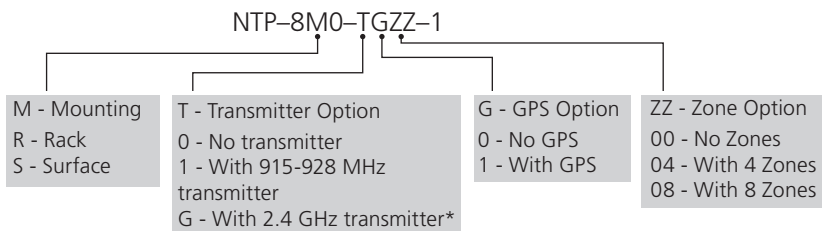
Specifications:

- Time base: Crystal
- Voltage input: 85 VAC - 264 VAC, 50/60 Hz
- Current Consumption: 0.2A at 120V and 0.1A at 230V
- Power consumption: 20 Watts
- Display: Vibrant LCD display and .56" (1.42 cm) LED display
- Color: Black
- Housing: Smooth surface metal case
- Keypad: 2x8 rubber tactile keypad
- Temperature range
 - Operating: 0°C - 45°C
 - Shelf: -15° - 70°C
- Calendar: Built-in calendar with leap years
- Inputs: GPS (optional), (S)NTP, Wireless repeater, RS485, 58 minute correction, 59 minute correction, National Time and Rauland, Dukane digital
- Standby time keeping: Ten (10) years
- Memory: Non-volatile EEPROM
- Outputs: (S)NTP, RS485 and 2 clock circuits
- Optional outputs: Sapling Wireless Communication (with transmitter option)
- Housing dimensions (LxWxD): 11" x 17.5" x 1.75" (27.94 cm x 44.45 cm x 4.45 cm)
- Mounting: Wall mount or rack mount
- Weight: 6.5 lbs. (2.95 kg)
- Includes: 1 - 6 foot (1.82 m) power cord
1 - Wall mount kit (wall mount only)
1 - Remote antenna (rack mount and transmitter option only)
1 - 75 foot (22.86 m) GPS cable (with GPS option)
1 - Dome antenna (with GPS option)
- OPTIONS - Zones
 - Auxiliary zones: 4 or 8 zones optional
 - Contact rating: 8 amps, 0 - 220 volts
 - Signal duration: 2 programmable signals per circuit, 1 -9999 seconds or on/off
- OPTIONS - Transmitter
 - Input sensitivity: -112 dBm
 - RF signal output: 30 dBm (1 watt)
 - Transmission frequency: 915 - 928 MHz frequency-hopping technology (US and Canada only)
2.4 GHz frequency for international only
- OPTIONS - GPS
 - Antenna: Thread mount bullet on 3/4" conduit
 - Antenna dimensions: Diameter: 3.04" (7.72 cm)
Height: 2.94" (7.47 cm)
- Ethernet Speed: 10/100 Mbps Full Duplex
- Ethernet Port: RJ45
- Compliance: UL/cUL listed
FCC part 15 B "class B digital devices"
CE Compliances: EMC, LVD



Ordering Information

NTP 8000 Series Server



Examples:

- NTP-8R0-1004-1: NTP 8000 Series, rack mount, with 915-928 MHz transmitter, no GPS, 4 zones
 NTP-8S0-G108-1: NTP 8000 series, surface mount, with 2.4 GHz transmitter, with GPS, 8 zones

* 2.4 GHz frequency range is only available for use outside the United States.

NTP 8000 Series Software Upgrades

Count Down:

NTP-000-CDOW-0: NTP server can activate a count down feature on digital clock models

*specification sheets may change without prior notice



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