GPS ClockNet

Central Clocknet with GPS







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GigaClock: extra size digital clocks

In 150-200 m distance visible. Display time data, temperature, humidity and other numerical information in storehouses, assembly shops, logistic centers, shopping centers, sports halls.



MegaClock 100-RF



GigaClock 200-RF

Slave clocks perform time synchronization due to communication with ControlClock. GPS GigaClock slave clocks need 230V50Hz power supply, and receive time data through wireless connection. While GPS Slave clocks (down) need a 1.5V long-life alkali battery that supplies the device for years. So they can be placed wirelessly wherever you want.

Any type of slave clock can be ordered on RS485 bus and you can eliminate the RSC-R4 RF device, though you need to establish wire connections. Model names of RS485 slave clocks are following:

GigaClock 4-200-4 MegaClock 6-100-4 AnaClock 40-4 AnaClock 30-4

GigaClock: Digital Slave Clocks

Features

- Dimensions:750 x 300 x 40 mm
- Number of digits: 4-6 pc
- Dimension of Digits: 200 mm
- Number of segments for each digit: 7 +1
- Display: time (hours, minutes), alternating temperature, humidity indicator (option) *
- THS-05 sensor connection: USB "B" connector (optional)
- Power connection via RJ45, POE 12-24V/1A
- Interface RS232, Ethernet IEE802, connection to local supply.
- Time setting with TimeSetter program
- Fixing holes formed on device' reverse side
- Power supply: 12V AC / DC
- Ambient temperature: -10 +50 ° C
- Relative humidity: max. 80%
- PoE Power Supply: DC 15V 2.5A
- * For temperature and relative humidity data display a THS-05 sensor is required

AnaClock: Analog Slave Clocks

Subsidiary clocks of GPS Clocknet with RF synchronizing

Structure

- Clock
- two step motors
- Controlling PCB, integrated microcontroller
- Infrared Sensor (opto sensor) mechanics
- Power source: 2pcs AA alkaline batteries

868MHz RF communicator 868MHz antenna

Dimensions [mm]: 300mm and 400mm Power supply: 2 x 1.5V AA batteries

Longevity: Appr. 3 years (average consumption)

GPS Clock RF Analog Subsidiary Clocks

Wireless connection for unlimited number of slave clocks with simple mounting



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CDP GPS-15 Control Clock

Reception of time synchronizing signals via GPS, when sensoring at least two-dimensional position.

The device operates a red flashing LED, as long as it does not find signals. Once synchronized with the GPS network, the LED changes green. From this point, the device sends exact time data signals through the network.

RJ 45 socket, RS-485 protocol 12V DC socket

RSC-R4-RFM radio/485 Converter Module

Converter Features

- Flexibly adjustable parameters
- Compact size
- Power supply: 12-24V DC adapter plug
- 1 RS485 port RJ45
- Dimensions: 12.598 cm x 6.779 cm x 2.451 cm (4.960 "x 2.669" x 0.965 .)
- Power consumption: max. 500mA
- Standard device with built-in antenna (external antenna optional)
- BaudRate: 2400-38400
- Communication status LED
- Range 100-300m depending on terrain

Radio Features

- Optional SMA antenna connector in casing + on demand external antenna
- Short-wave (860MHz) radio mounted RS485 line extension
- RS-485 standard cable length may be increased
- long wiring can be avoided
- Serial data transfer wirelessly
- Portable equipment for measurement, control, data acquisition systems
- Impact-resistant ABS housing
- Protection IP40 Indoor version, SMA antenna
- Outdoor version IP 65, HELIX antenna
- 12V DC 0.5 A DC via power connector or via RS485.
- Line polarization and termination
- radio modules controlled by software

Master Clock RS485 GPS Control Clock

