Wireless Synchronized Time

SYNCHRONIZED TIME SYSTEMS FROM PETER PEPPER PRODUCTS

The SyncTech® Wireless Time System is the most reliable method to synchronize all time displays in your facility or campus, and eliminates the time related issues and liabilities associated with manual time maintenance. This easy to install system will provide years of trouble free service, with near zero downtime. With SyncTech the high cost of synchronized wiring is eliminated and clock maintenance is greatly reduced.

Synchronized Time Solutions for:

• Healthcare Facilities

• Universities and Schools

• Government Facilities

• Financial Institutions

• Office Buildings

• Military Facilities

• Manufacturing Plants

• Remote Buildings

• Remote Alert Tones

• Time and Attendance

• Wide Area Coverage

SyncTech systems are available 2 ways.

2.4 GHz multi-path wireless data network

Wi-Fi

SYNCTECH Wi-Fi

Combine wireless simplicity with synchronization as clocks receive time information over Wi-Fi from an internet or in-house NTP Server. Simply power the clocks, connect to your network, and go.

PPP Wi-Fi Clocks connect to a wireless local network and are capable of taking the accurate time from any NTP server, so a master clock is only needed where the facilities Wi-Fi signal does not cover the entire area requiring clock installations.

The Wi-Fi receiver clocks can be pre-programmed with the addresses of public internet or in-house NTP servers. syncTECH Wi-Fi is ideal for facilities in need of many or just a few clocks spread far apart. It is also a great solution for multi-building campus environments utilizing existing wireless infrastructure.

SYNCTECH 2.4 GHZ

The SyncTech® 2.4 GHz master clock obtains time updates from the public atomic time standard. It then sends these updates over a highly secure, multi-path wireless data network to all secondary clocks. Each battery-operated clock transmits up to 150 feet in all directions, repeating the synchronized time signal clock-to-clock, through-out an entire facility. All clocks receive and re-broadcast time updates once per second, creating a multi-path mesh network. However, depending on construction, layout and features, repeaters maybe required. Where there are long distances between buildings or other clocks, the SyncTech UHF system may be more suitable.

The SyncTech 2.4 GHz master clock includes a built-in network time receiver (NTP) that can be directed to sync with local or public time servers over the internet. The wireless system is fully expandable allowing you to start with a system that fits your immediate needs, with the flexibility to add more clocks, bells or tone generators as needed.

The system includes automatic switching between Daylight and Standard time, and AES 128 bit data encryption for secure, reliable communications. An optional wireless GPS time receiver is also available to provide simultaneous, redundant time acquisition.

The master clock includes a powerful alarm schedule function, plus both a wired and wireless alarm output system, sending synchronized time to all clocks in your facility. The high cost of synchronized wiring is eliminated and clock maintenance is greatly reduced.

Features and Benefits of the SyncTech 2.4 GHz System:

• Synchronized time throughout your facility

• Eliminates potential liabilities for medical timelines, vital statistics and procedures, employee time keeping and HR policy enforcement; virtually eliminating unnecessary time and attendance grievances.

• 100% 2.4 GHz digital communications

• Automatic, self healing network. No configuration required

• Automatic Daylight Saving Time clock adjustments

• Analog wall clocks with five or ten year battery life

• No FCC license required

• Unlimited Expandability

• Network accessibility

• Windows based programming software

• NTP and/or GPS and CDMA (can be used simultaneously)

• A wide variety of digital time displays and timers

• Small systems do not require a site survey