SAPLING
SYNCHRONIZED
CLOCK SYSTEMS

Who We Are

The Sapling Company is a global leader in engineering, designing, and manufacturing advanced Synchronized Clock Systems for a variety of industries and applications.

We demonstrate our commitment to our customers by providing innovative, technologically advanced, high quality, and reliable Synchronized Clock Systems, which are based on many years of investments in research and development.

Built on a foundation of reliability, our products are engineered and manufactured in the United States at our headquarters in Pennsylvania.

Our team of professionals will be happy to learn about your project's needs and consult you on the best solution for your application.

By choosing Sapling, you can count on our clocks to be on time, every time!
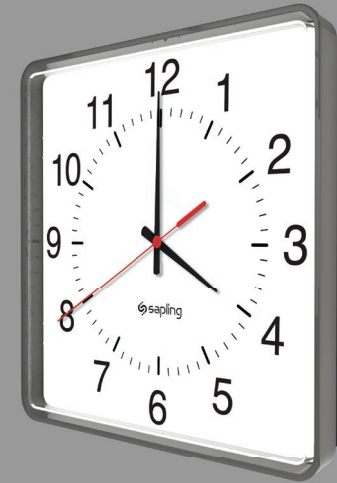
Analog Clock Styles
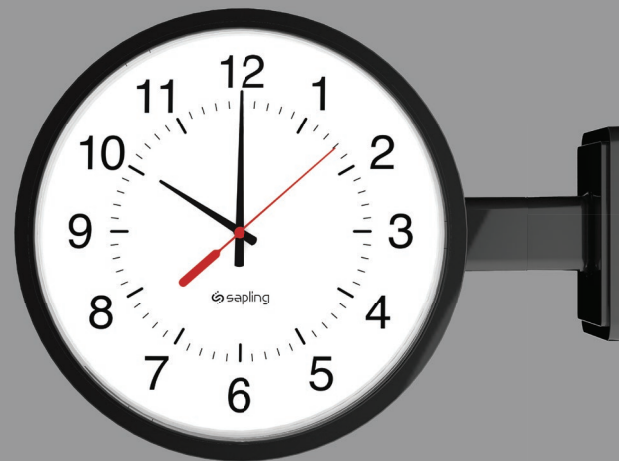
black case

brushed aluminum finish
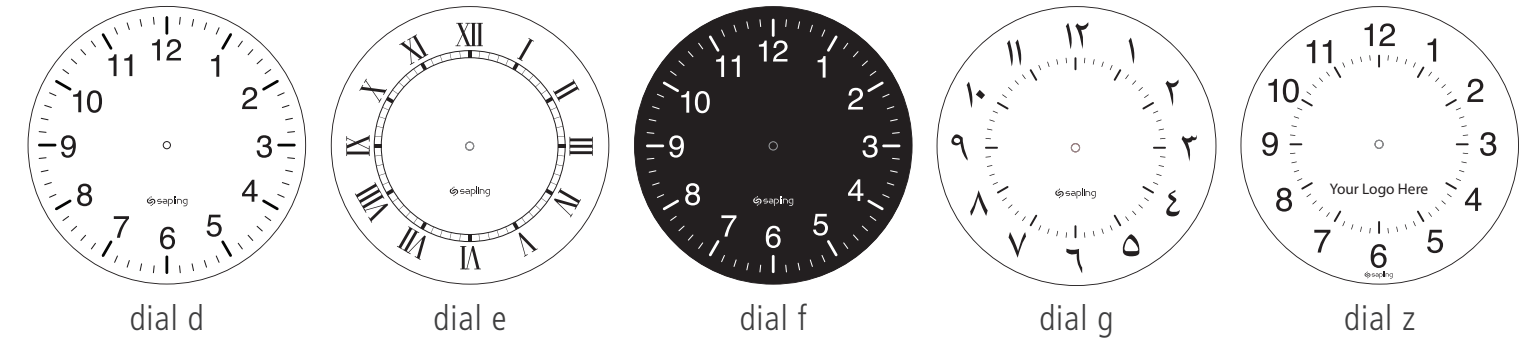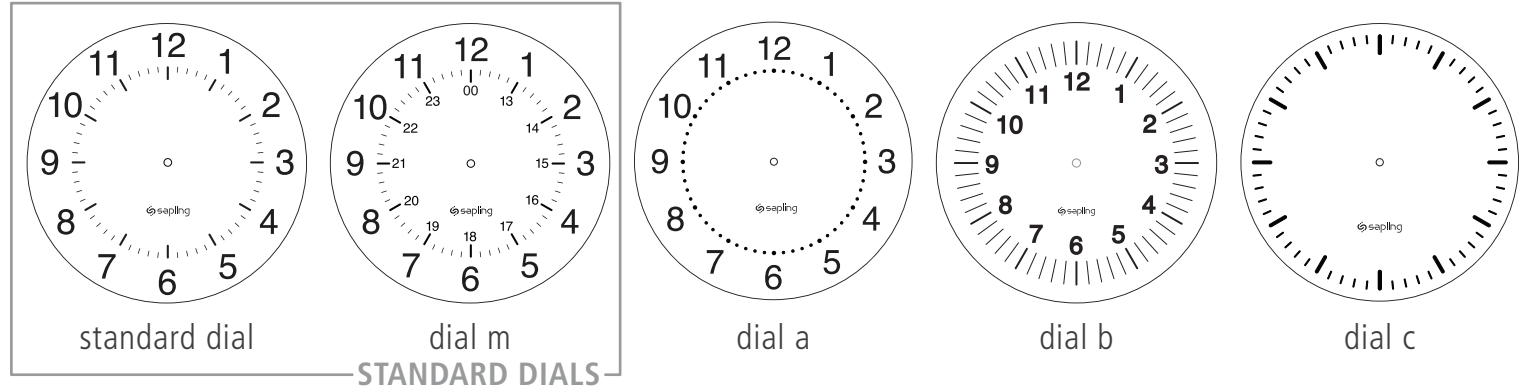
solid cherry wood finish

square analog clock

DUAL / FLAG MOUNT MOUNTING OPTIONS

Analog clocks are offered in various sizes, dial styles, and hand designs

DIALS

standard dial

dial m

dial a

dial b

dial c

dial d

dial e

dial f

dial g

dial z

HANDS

standard hands

specialty hands 1

specialty hands 2

specialty hands 3
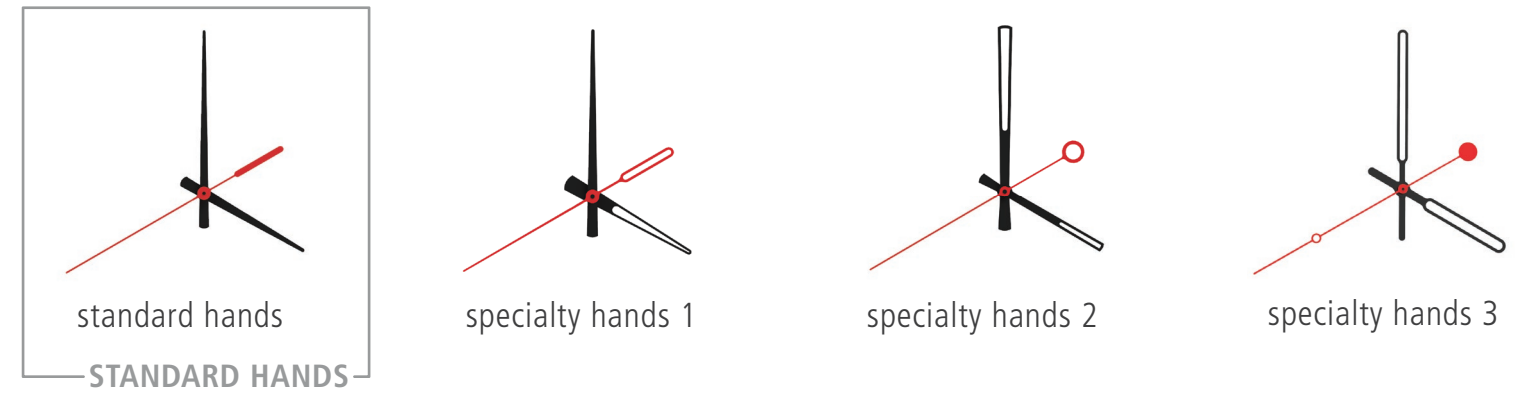
Digital Clock Styles

DISPLAY COLORS

red
STANDARD LED

white

amber

green

MOUNTING OPTIONS

Flush (inside wall) mount, surface (wall) mount, dual faced, and flag mount.

Synchronized Clock Systems We Offer

Sapling offers five different types of synchronized clock systems, each of which utilizes different features to accommodate all types of infrastructures. Our systems can be installed in an existing facility or a new facility. Sapling Clocks can provide extremely accurate time in both multi-floor buildings and campuses regardless of the size of the facility.
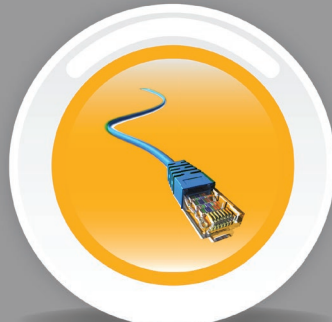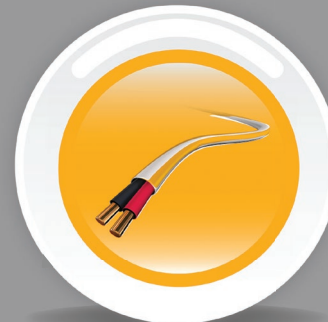
Wireless System   IP-PoE System   TalkBack System Technology™   Wired System   Wi-Fi System

Wireless Clock System

Sapling's Wireless Clock System begins with a master clock, which transmits the time to secondary clocks. Each Sapling Wireless Clock has a built-in repeater, so once the clocks receive the accurate time, they will retransmit the time signal to extend the range of the system. This unique technology boosts the system's redundancy, reliability, and efficiency. The Sapling Wireless Clock System is widely used in new and existing facilities due to its ease of installation.
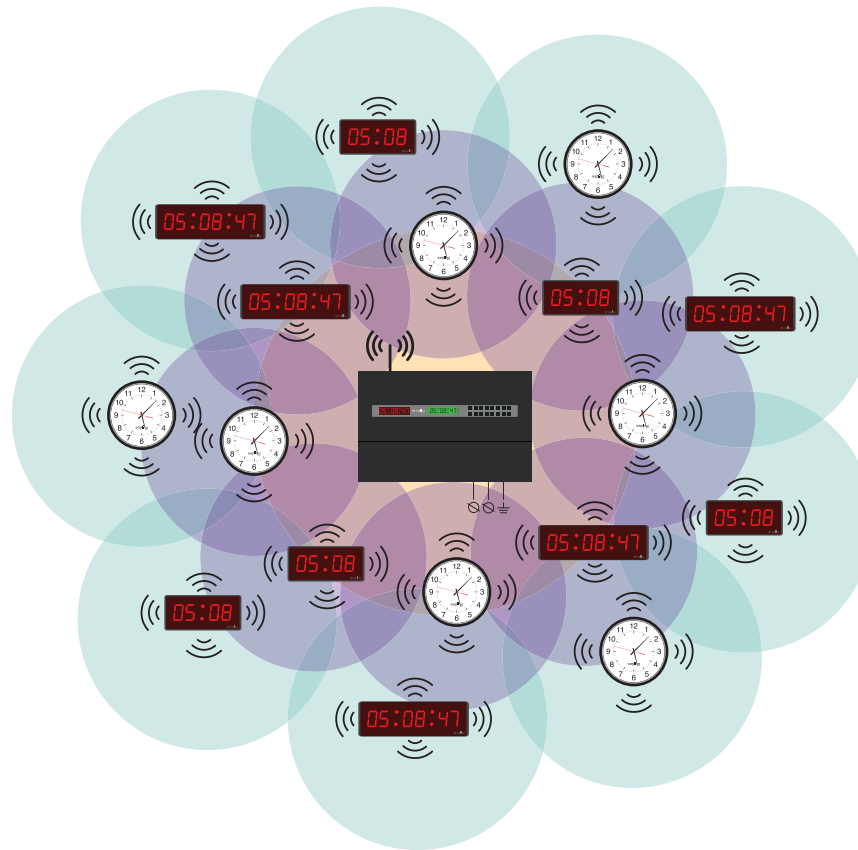
IP-PoE Clock System

Sapling's IP-PoE Clock System consists of Power over Ethernet clocks, which utilize a facility's existing network to receive time data. Each IP-PoE clock comes preset with third-party NTP time server addresses to receive accurate time via LAN and internet. Alternatively, they can be set to take time data from a Sapling Master Clock or from an in-house NTP time server.

The Sapling IP-PoE Clock System allows the user complete control over the clock system. Each clock features an easy-to-use built-in web interface, and the system comes standard with Sapling's IP Monitoring Software.
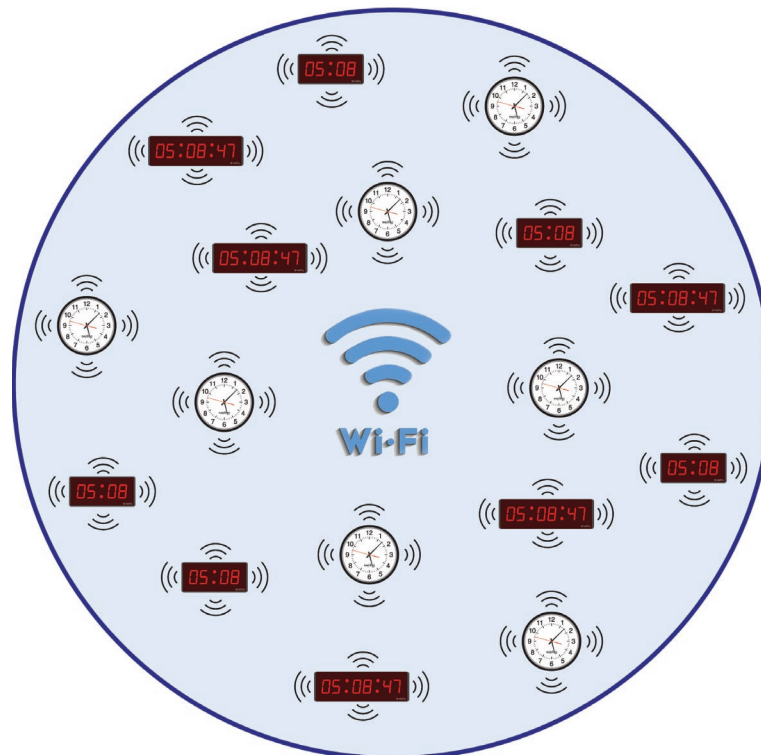
Wi-Fi Clock System

The Sapling Wi-Fi Clock System utilizes a facility's existing Wi-Fi infrastructure for an advanced and flexible solution. Wi-Fi clocks come preset with third-party NTP time server addresses to receive time data via Wi-Fi and internet. They can also be set to take accurate time from a Sapling Master Clock or an in-house NTP time server.

All Wi-Fi clocks are equipped with a built-in web interface that allows total control of each clock's settings. This user-friendly web interface makes setting the clocks quick and easy, and provides the user with diagnostic information, troubleshooting capabilities, and much more.

TalkBack Clock System

Sapling's TalkBack Wireless Clock System, which operates in the same wireless manner as our Wireless Clock System, includes our TalkBack Technology™. This technology allows each clock to report its status back to the master clock. The report includes information on battery life, signal strength, mechanical and display alerts, and more. This system can also be set to send emails to the system administrator if the clocks report any potential issues.

Wired Clock System

Sapling offers different types of wired clock systems, with the most common solutions being the 2-Wire Clock System and the Sync-Wire Clock System. The Sync-Wire Clock System is mainly used as a retrofit for existing systems, while the 2-Wire Clock System is used for new installations.

- **2-Wire Clock System -** This system begins with a master clock, which provides time data to a converter box. The converter box provides both 24 volt power and time data to the secondary clocks over the same two wires, eliminating the need to run additional wires during installation. Another advantage is that the entire system synchronizes every second for supreme reliability.

- **Sync-Wire Clock System -** Within this common wired system, the clocks are capable of working on a variety of voltages (24 volts, 110 VAC, or 230 VAC) and can interface with many pre-existing systems.

2-Wire System Diagram

110 - 230 VAC

24V output

110 - 230 VAC converter box
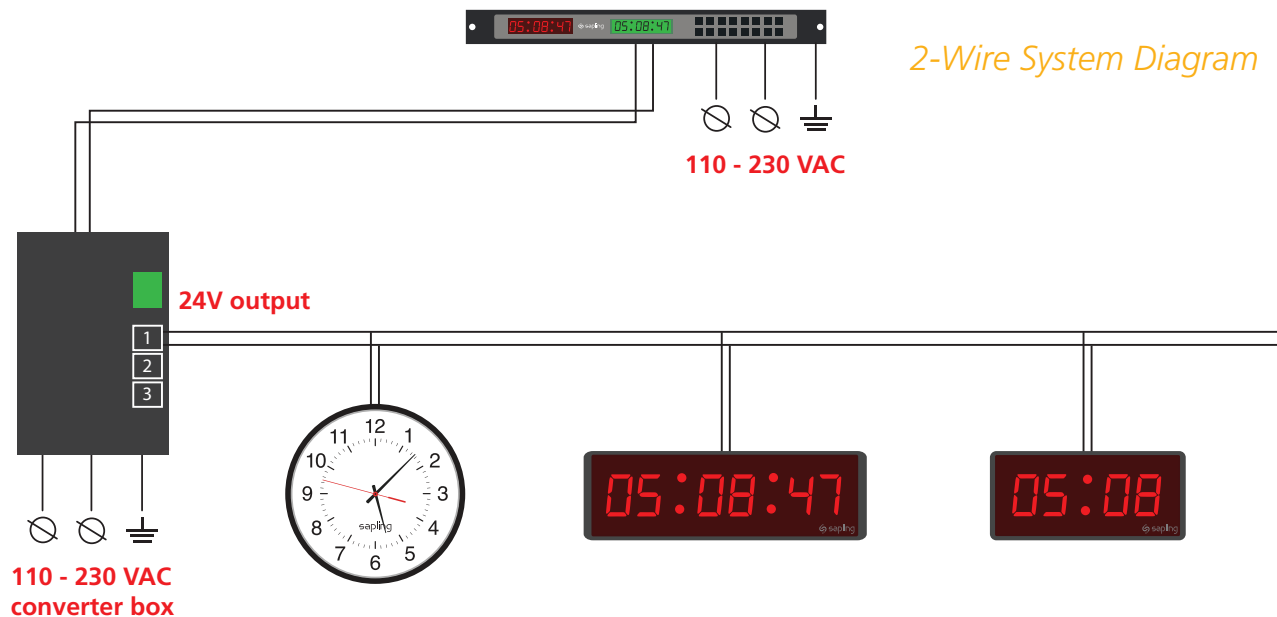
Master Clocks

The master clock's primary function is to receive accurate time and distribute that time to all secondary clocks throughout a facility. Each Sapling Master Clock comes equipped with the web addresses of 10 NTP time servers from around the world for supreme time source reliability. Additionally, each master clock features a built-in web interface for easy programming.

Sapling also offers master clock models with various optional features to suit different applications. Optional features include a GPS time receiver, controlling other systems (such as a bell system in a school) at predetermined times, sending a countdown command to all digital clocks in the system, and the ability to act as an NTP time server for third-party IP devices in a facility.
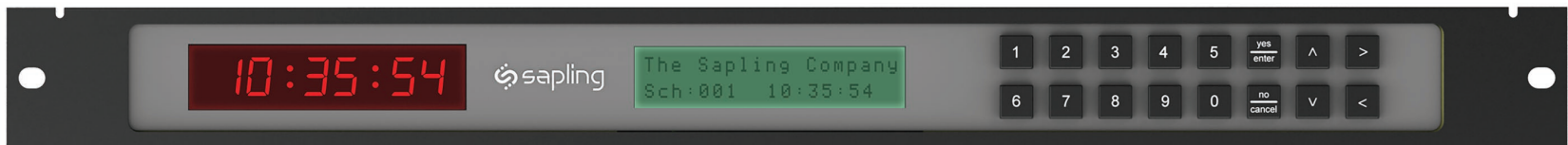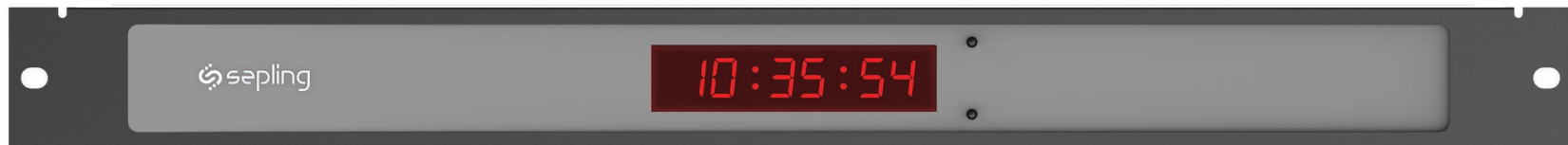
[Time Zone Clock]

The Sapling Time Zone Clock displays accurate time for desired locations around the world.

Featuring a user-selected display consisting of analog clocks or digital clocks, Time Zone Clocks are ideal for many types of facilities, including: corporate offices, public trading companies, airports, train/bus terminals, hotels, conference rooms, and logistical and freight companies. Sapling Time Zone Clocks seamlessly integrate into any facility to help manage its need for global time awareness.

SYDNEY   NEW YORK   LONDON   DUBAI   TOKYO

The time displays are mounted on an aluminum pole, which is then mounted on the wall. Below each clock is a nameplate that displays the time zone for each individual clock.

Premium Large Clocks

Sapling Large Digital Clocks are part of our Premium Line, which incorporates high-end, feature-rich settings, outstanding quality, and an elegant design, all wrapped in a durable case that is engineered to last.

Available for indoor or outdoor applications, the Sapling Large Digital Clocks are offered with super-high brightness LED displays. Each clock can be configured wirelessly from a Wi-Fi enabled smart phone or computer. Among other features, all clocks have five adjustable brightness levels and a built-in auto-brightness sensor for great visibility under different ambient light conditions.
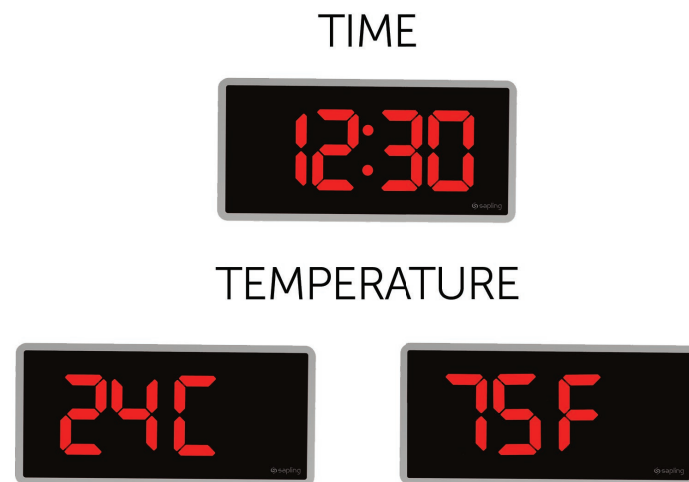
[Accessories]

SAPLING ELAPSED TIMER

Sapling offers an Elapsed Timer solution consisting of a digital clock that interfaces with an Elapsed Timer Control Panel accessory. The Elapsed Timer allows a user to trigger a count up or a countdown at the press of a button. Sapling also offers an optional solution for alerting the end of a countdown with an internal buzzer.

BUZZ

SAPLING TEMPERATURE SENSOR

Sapling Digital Clocks may display room temperature by interfacing with a temperature sensor. The temperature on the clock can be displayed in either Fahrenheit or Celsius. The user can designate how long the time and temperature will be displayed. For example, the clock can alternate between showing time for 7 seconds and temperature for 3 seconds.

TIME

TEMPERATURE

Additional accessories are available for various applications.

Sapling - Don't Compromise.

a global leader in engineering & manufacturing
quality synchronized clock systems since 1993

[Contact]

Office: 670 Louis Drive
Warminster, Pennsylvania 18974, USA

Phone: +1.215.322.6063

Fax: +1.215.322.8498

Websites: www.sapling-inc.com
www.pickazoneclock.com

Email: info@sapling-inc.com

"Sapling Clocks are mission critical, reliable and key to effective scheduling within the district." - Richard (USA)

sapling
Synchronized Clock Systems