

# Sapling Sync-Wire System

## DESCRIPTION

Sync-Wire Systems were popular for many years, before new technologies became available. As such, many facilities still have Sync-Wire Systems. In a Sync-Wire System, the secondary clocks receive an hourly time correction from the master clock that synchronizes the minute and second, while the hour is corrected twice a day, so the entire clock system is fully synchronized once every 12 hours. Providing maximum adaptability, Sapling Clocks are compatible with many sync-wire protocols and can be powered using either 24V, 110 VAC, or 230 VAC.

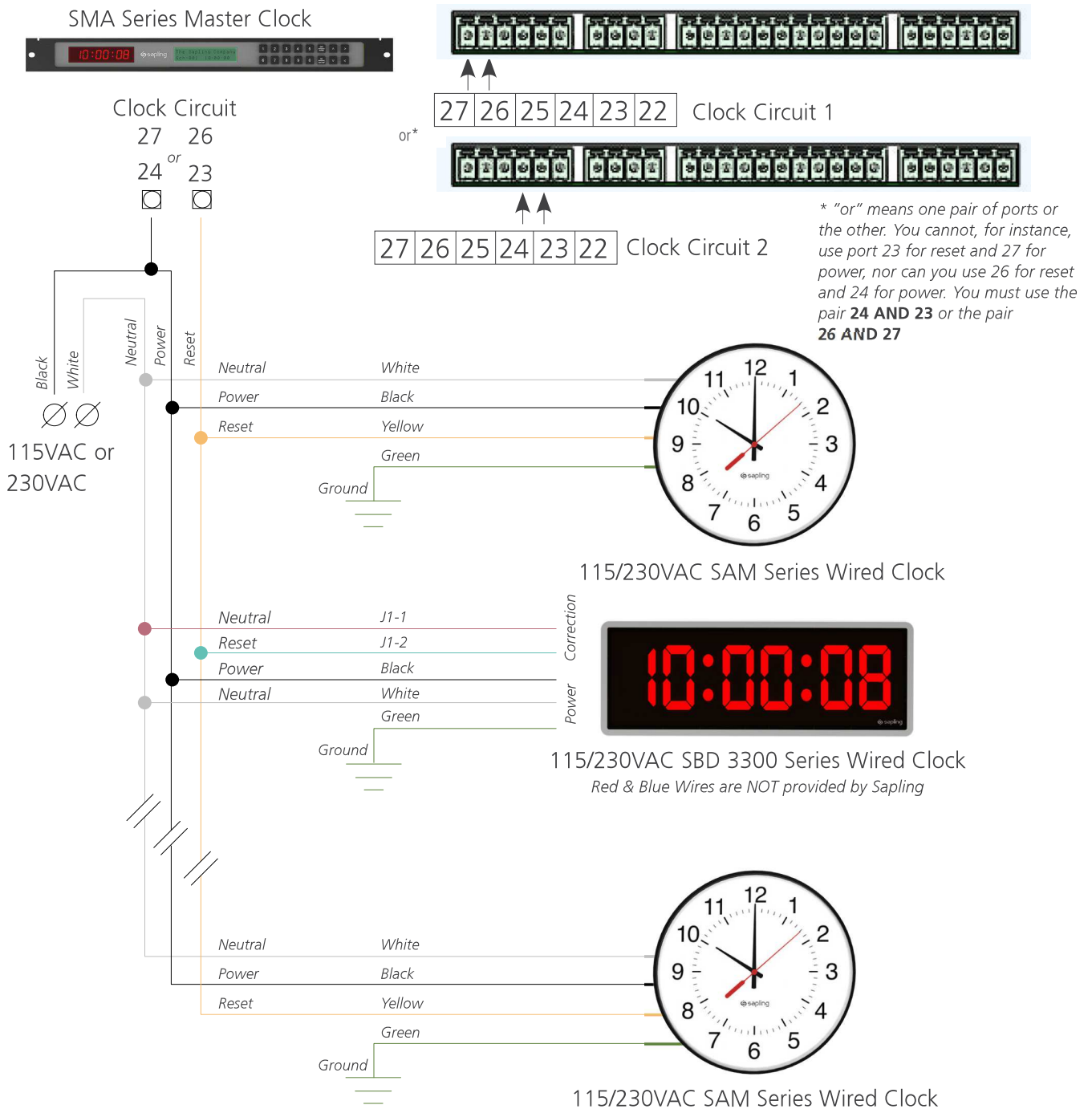
A typical Sapling Sync-Wire System begins with a Sapling Master Clock, which provides the time data to Sapling Secondary Clocks. A Sapling Master Clock may also correct third-party sync-wire clocks, and Sapling SAM and SBD series wired clocks may be corrected by third-party master clocks, depending on the supported sync-wire protocols. In addition, Sapling Master Clocks are capable of synchronizing both Sapling Clocks and third-party sync-wire clocks at the same time.

Supremely flexible, the Sync-Wire System is ideal for retrofitting old facilities and correcting older or third party Sync-Wire Systems.








*Shown above is a third Party Master Clock providing sync wire correction to Sapling SAM Analog Clocks and Sapling SBD 3300 digital clocks.*

# Sync-Wire System Line Drawing



# Sapling Sync-Wire System Advantages

-  **Automatic Protocol Detection** - There is no need to preprogram the SAM clock for a specific time protocol. Sapling SAM Analog Clocks are capable of recognizing Sapling 2-Wire System time protocol as well as sync-wire 59 minute correction, most 58 minute corrections, and even National Time/Rauland correction.
-  **Flexible Voltage Options - Sync-Wire Clocks** can run on 24 VAC/VDC, 110 VAC, or 230 VAC, giving you maximum flexibility, whereas within the **2-Wire System** they run on 24 volts provided by the Sapling Converter Box.
-  **Interfaces with Other Systems** - Sapling Master Clocks, SAM series analog clocks, and SBD 3300 digital clocks are capable of interfacing with other existing systems and protocols, making Sapling Clocks a perfect choice for retrofitting old systems.
-  **Safety Standard Compliance** - Sapling Master Clocks and wired secondary clocks are designed to meet strict international safety standards and are (c)UL listed.
-  **Advanced Master Clock** - The Sapling Master Clock comes with a built-in web interface to allow easy access and easy setup from any computer in the facility via LAN.