

SBW 3300 Series Digital Clock

The secondary clock shall be a Sapling SBW 3100 Wi-Fi digital clock. It shall have a high-efficiency LED numeral display with digits measuring either 2.5" or 4.0" high. The clock shall be available in both four (4) and six (6) digits. The clock shall have data LEDs on the circuitry board that light up when the clock receives data. The clock shall receive time data from an NTP or SNTP server or a Sapling SMA Series Master Clock. Time data shall be received by the clock via 2.4 GHz 802.11 b/g/n Wi-Fi. The clock settings shall be adjustable through a web interface that can be accessed by a web browser, such as Google Chrome. Settings for the clock shall include Daylight Saving Time, Network Settings, and a list of up to 5 NTP sources. The clock shall have a smooth surface ABS case which can be attached to a standard-sized gang box. The clock will be powered at either 24 V, 110 VAC, or 230 VAC. The clock shall have circuit components which allow it to interface with any one (and only one) of the following accessories: the Sapling Elapsed Timer Control Panel or Sapling's Temperature Sensor. In addition, it shall have relays that allow it to receive (or provide) a contact closure from third party devices. No external screws shall be visible on the bezel or clock housing. The digital clock housing shall be designed and molded so that it can be attached to a Sapling double-mount pole. It shall be capable of displaying time in a 12 or 24 hour display format. The display shall use either red, green, white, or amber LEDs, depending on the type of display that was ordered. The clock will have four (4) levels of adjustable brightness. When the time input is lost, the colon on the display of the clock shall flash. When power is lost, the clock will rely on a small battery and internal real time clock to keep track of (but not display) the time. The clock shall be UL and cUL listed, and FCC compliant.