

### **SAP Series Analog Clock**

The secondary clock shall be a Sapling SAP Series IP clock. It shall be an analog clock with a black hour hand, a black minute hand, and a red second hand. The clock shall receive time data from an NTP or SNTP server or a Sapling SMA Series Master Clock. Time data shall be transmitted and received by the clock via Sapling's IP communication protocol, which shall be delivered to the clock through a CAT5, CAT5e, CAT6, or CAT6A cable. The clock settings shall be adjustable through a Web Interface that can be accessed by a web browser, such as Internet Explorer. Settings for the clock shall include Daylight Saving Time, Network Settings, and a list of up to 10 NTP sources. The clock shall have a microprocessor-based movement that shall require fewer than 5 minutes to perform a correction of the hand positions. The clock will be powered using Power-over-Ethernet (PoE). The clock shall have a smooth surface ABS case or metal case which can be attached to a standard-sized gang box. The round ABS versions of the case shall be designed such that they will fit within Sapling's wood or aluminum round clock housings. The ABS clock case shall be produced in round cases with diameters of 9, 12, or 16 inches, or square cases with widths of 9 or 12 inches. The dial is to be made of durable polystyrene material. The crystal is to be made of shatterproof, side molded polycarbonate. The clock shall be UL and cUL listed.