

## SDLG Series Digital Dot Matrix Display

The message display shall be a Sapling SDLG wireless digital display. It shall have a high-efficiency LED display with characters measuring 2.5" high. The device will be capable of receiving and then re-transmitting a signal from any other Sapling device that transmits data on the same frequency using Sapling's wireless protocol. The device shall use frequency-hopping technology to receive data on a frequency range of 2.4GHz. The device shall also be able to retransmit data on the same frequency range. The frequency-hopping technology shall allow the clock to transmit data without causing interference to other wireless devices that may be transmitting at the same time. The device shall be designed to be used with the Sapling SMM Series Master Clock and SMI 1000 Master Input Box. Data shall be transmitted and received by the device via Sapling's wireless communication protocol. Upon receipt of the wireless signal, the device will display the received data. The device's transmitter shall be able to successfully transmit data over a line-of-sight, unobstructed distance of up to 1320 feet (402 meters). The device shall have data LEDs on the circuitry board that light up when the clock receives data. The SDLG shall be capable of storing 15 configurable messages. The device shall be capable of interfacing the Sapling Elapsed Timer Accessory or with the Sapling Temperature Sensor Accessory. The device shall have a smooth surface ABS case which can be attached to a standard single or dual sized gang box. No external screws shall be visible on the bezel or clock housing. The display housing shall be designed and molded so that it can be attached to a Sapling double-mount pole. The clock shall be FCC compliant, in accordance with part 15 Section 15,247.