

## Wireless Repeater

The repeater shall be a Sapling Wireless Repeater. It shall receive and transmit wireless data using Sapling's proprietary wireless protocol. The repeater shall receive and transmit data on a frequency of either 915-928MHz, or 2.4GHz, depending on the hardware that was ordered. This will allow it to communicate with wireless SAL(G\*) Analog and SBL(G\*\*\*) Digital clocks operating on the same frequency range using frequency-hopping technology. The repeater shall have a maximum antenna size of seven (7) inches, an RF input sensitivity of -103dbm, a power output of 27 dBm, and shall be FCC approved. The voltage input for the repeater shall be 115V/60Hz or 230V/50Hz.

\* (G) is used for 2.4GHz models, in which case the model code is SALG. In 900MHz models, the model name is SAL.

\*\* (G) is used for 2.4GHz models, in which case the model code is SBLG. In 900MHz models, the model name is SBL.