The Bogen Model 7W is a wireless communicating system that may be operated from any electric outlet supplying 105 to 125 volts, wither AC or DC. Each station draws 40 watts and is designed for continuous service. Tubes used in each station are: 2-6K7, 1-6Q7, 1-6J7G, 1-25A7G, 1-25A6G, 1-BK40B.

Each station must be connected to a good ground.

**Silent Watchman:** The Silent Watchman is an adjustable control device for the automatic suppression of line noises. This adjustment should be set to the correct value when the system is first put into operation. However, before making Silent Watchman adjustments, all stations should be installed and efficient communication established.

To adjust the Silent Watchman turn the station "ON" and advance the volume control at least half way. Turn the adjuster shaft with a small screw driver slowly to the right until the point is reached where the line noise becomes inaudible. Do not turn adjustment beyond the point where line noise becomes inaudible. Make this adjustment carefully. The Silent Watchman is then left in this position, no further adjustments being necessary.

**NOTE:** The other 7W stations should not be in the "talk" position when this adjusting is being done.

**FREQUENCY SELECTOR:** The 7W Wireless System consists of 7 units: 7WA, 7WB, 7WC, 7WD, 7WE, 7WF, 7WG. The letter after 7W denotes the receiving frequency of each master unit. The units are tuned and set at the factory to the following frequencies: 7WA-100Kc., 7WB-120Kc., 7WC-140Kc., 7WD-160Kc., 7WE-180Kc., 7WF-200Kc., 7WG-220Kc. Each unit has six push buttons, one for each transmitting frequency except its own. If a unit is marked 7WA, its receiver is tuned to 100Kc., and the 100 Kc. transmitting frequency is omitted in this unit. Obviously, as a station cannot call itself, number one selector button is set to the next transmitting frequency, which would be the following letter in the alphabet. For example 7WA, Push button number one would transmit to 7WB, etc... In order to communicate between 7WA and 7WB, 7WA would press #1 button to talk to 7WB and 7WB would press #1 to talk to 7WA.

**Addition of stations:** When a complete 7W system is installed there should be no two units with the same last letter. System should comprise seven units with letters A to G. If less than seven stations are installed, start with letter A and when ordering additional stations for an existing system of less than seven units specify the letters of the units already installed, or order units with letters not already in the existing system. For example, if a system has been installed using three units marked 7WA, 7WB, and 7WC, and two stations are to be added, order the next two consecutive letters, namely 7WD and 7WE.