

## 1.1 Product Description

The Lifeline Model 9500 is a superregenerative receiver, PERS (Personal Emergency Respond System) Communicator which also provides both handset telephone and speakerphone functions.

The electronic components of the communicator are located on two circuit cards. One circuit card is primarily used to provide the keypad interface, the visual display functions and the connection to the battery while the second card contains the telephone interface, the telephone handset circuits, the power supplies, and the communicator control circuitry and the speakerphone circuits.

Primary power for the communicator is obtained from the 120V<sub>AC</sub> line through an external 12V, 300 mA, AC/DC adapter while backup power is provided by an internal 6V, 0.5AH rechargeable battery. The unit will also operate as a basic (phone line powered) handset telephone without AC or battery available. The PERS and speakerphone functions, however, operate only when AC or battery back-up power is available.