

## Technical Description of the Base Station (GTW-1)

The transceiver transmits and receives on a nominal frequency of 904 Mhz. The transmitter transmits a packet of data every few seconds and when it is not transmitting it is receiving. The transmissions from the transceiver are FSK modulated with a deviation of +/- 20 kHz and a data rate of 9600 Kbps. The Controller is clocked at a clock frequency of 6 MHz using a crystal for a reference. The power supply is a switching power supply. The unit has an on board Single Board Computer. The unit will start working immediately when it is plugged into a standard 110 volt, 60 Hz socket.