

Theory of Operation

The user sets and saves irrigation programs in the Programmer using the keyboard and the LCD. The program can be sent to the Controller via the RF link. Once the Controller gets the program, the valve connected to the Controller, will be opened and closed according the received program.

The user can get the Controller status via the RF link, displaying it on the Programmer LCD.

The RF Transceiver based on single chip for RF transceiver for narrow band link. The clock frequency is 14.7456 MHz, while the local oscillator is the CW (916MHz) minus 207 kHz.