

theory of operation:

The G2W is a control and monitoring radio system of fertilization and irrigation systems for open fields agriculture.

The system include one concentrator and up to 32 end points, it is a two way radio system, frequency hopping and time synchronized.

Profile of traffic:

1. End unit transmit "I'm alive" signal once every 256 seconds.
2. End unit transmit IO status every pre define time interval (define by the user).
3. End unit transmit at pre define input threshold ( define by the user) .
4. Concentrator sends outputs command as programmed by the user.
5. All communications are two directional with acknowledge signal.