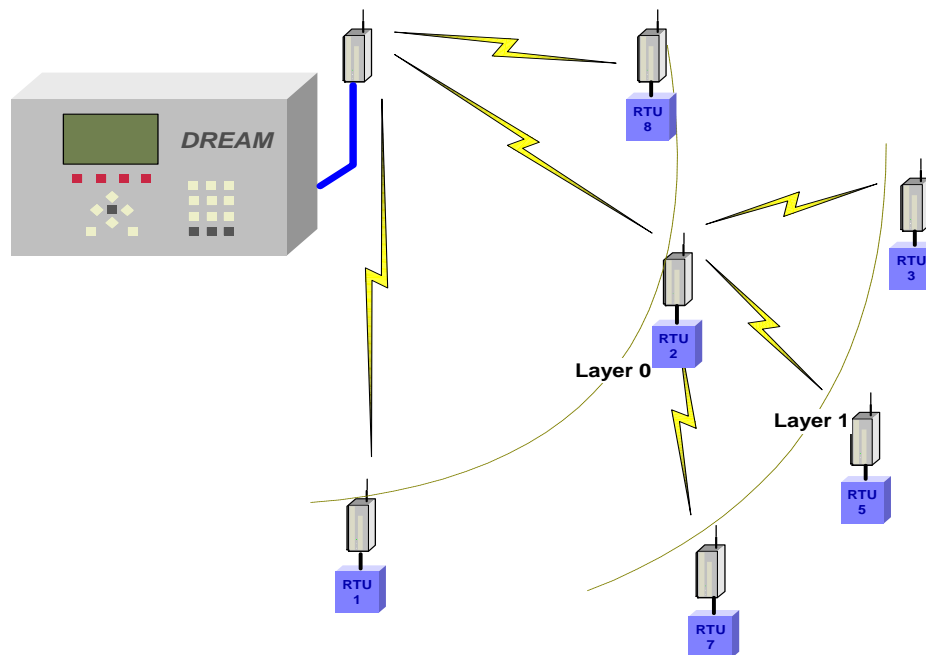




THE RADIO RTU SYSTEM for DREAM and UNILINER controllers

The radio RTU system of Talgil offers a perfect solution for controlling distributed irrigation systems, when using cable is impossible or undesirable. The system utilizes low transmission energy and therefore no licensing is required. Under good conditions a distance of 2 km can be covered. A radio RTU can serve also as a repeater for remote RTUs thus multiplying the communication range to 4 Km. The radio RTUs are energized by standard batteries or solar cells and they activate energy saving latching solenoids, therefore they are suitable for use where no electric energy exists. The bidirectional communication between the RTUs and the control unit enables not only activating remote outputs but also reading remote input, and because each communication gets a confirmation signal the information transfer is highly reliable. The radio RTU has a modular structure with a maximum capacity of 8 outputs and 4 digital inputs. A radio RTU channel may handle up to 63 units.



General features

- Communication radius of 2km that can be doubled by using an RTU as a repeater for others
- Bidirectional communication
- Powered by battery or solar energy
- Up to 63 RTUs per channel
- 16 options for channel frequency selection
- License exempt
- RF test mode
- Flexible scanning rate
- No. of outputs -2,4,6,8 (2 wired latching)
- No. of digital inputs- 4
- I/O test mode
- Automatic shut down of outputs on communication loss and automatic recovery when communication regained
- Visual and sound signaling of statuses by LED and buzzer
- Reporting RTU low battery

