

applications

Wireless Irrigation Control

When irrigating multiple, large, and/or remote properties, it is often difficult to know exactly when (or if) valves were activated, and whether or not the desired duration or amount of water distribution was achieved. Furthermore, in instances where immediate response is required, manual valve activation may not be an option.

Ranch Systems offers an effective and reliable way to address these challenges by managing the full cycle of irrigation, from valve activation through water flow measurement to soil moisture tracking. The system can be used only for measurement and monitoring, or can be used to activate valves for remote irrigation control or irrigation scheduling.

Data gathered by the base station, nodes, and sensors is transmitted to a secure datacenter for real-time viewing through Internet software. Charts and graphs allow comparison within and across zones, and tie in to other deployed Ranch Systems solutions (such as Frost Alerting).



- soil moisture
- water pressure
- water flow
- tank level
- valve activation
- temperature

