AGRICULTURAL TECHNOLOGY SERVICES
THE RIGHT WAY, THE FIRST TIME

Put Ag-Tech to Work For You

Your All-in-One Smart Irrigation Controller for Single Irrigation System

Why SAPIR 2?

Deep Industry Understanding

Unlock the future of irrigation with SAPIR 2, the ultimate smart controller that seamlessly integrates with your digital life. Manage your irrigation system effortlessly from your PC or smartphone, wherever you are.

Every crop, every farm size

Designed for small to large-scale farming operations, SAPIR 2 is your go-to solution for both straightforward and complex irrigation needs.

Revolution in Irrigation

SAPIR 2 is not just a product; it's a revolution in farming technology. Get yours today and take the first step into the future of agriculture.

🌟 Key Features 🌟

Advanced Planning & Monitoring

- **Irrigation Programs:** Customize your irrigation schedules with up to 16 different programs.
- **Monitoring and Data Collection:** Utilize real-time data to automatically run your system efficiently.
- **GIS and Mapping:** Monitor your system in real-time and take actions from a live view of your field.
- **Fertilizers and water treatment:** schedule and apply nutrient and water pH for each zone accurately.

Smart Irrigation

- **16 Customizable Programs:** Water by time, volume, or environmental factors.
- **Day & Cycle-Based Scheduling:** You set the rules.
- **Pulse or Continuous Irrigation:** Your choice, your control.
- **·Start Anytime, Anywhere:** Time-based, condition-based, or manual starts

Data Analysis & Visualization

- **Visualization:** get your information from animated maps, graphs charts, and reports.
- **Event Logs:** Keep track of all system events for better decision-making.
- **Data Reports:** Generate comprehensive reports indicating water and fertilizer usage, soil health and plant health reports, and more.
- **Analysis Settings:** Customize your data views to focus on what matters most and allows you to extract the relevant information.

Precision Fertilization

- **Multi-Nutrient Control:** Up to 4 fertilizers and boosters.
- **Flexible Modes:** Time, volume, proportional, or concentration-based fertilization. Manage pH and EC.
- **Three-Stage Fertigation:** Pre-water, inject, and post-water for optimal nutrient absorption.

Contact Us

📞 +1 559-790-8252   🌐 www.agtechserve.com

Seamless Communication

- **Console:** Advanced yet intuitive PC software.
- **Spot3:** Manage from any device, any OS.
- **Connectivity:** Wi-Fi or 4G LTE.
- **OTA Updates:** Keep your system up-to-date remotely.
- **Open API:** Integrate with other software and platforms for even greater control and customization.

Real-Time Alerts

- **Stay Informed:** High/low flow, leaks, pressure issues, and more.
- **Instant Notifications:** Sent directly to your phone.

Advanced Filters Backflush

- **Automated Flushing:** By time and pressure differential.
- **Customizable Settings:** You define the flushing parameters.
- **Downstream Valve control:** maintain proper filter pressure for effective cleaning of your filters.
- **Safety First:** Looping detection and prevention.

Configuration & Tools

- **User Preferences:** Tailor the system to meet your specific needs.
- **Field Constants:** irrigated area per valve, designed flows, crop coefficient water meters, and fertilizers. Upload via API or enter manually.
- **Software Updates:** Keep your system up to date with the latest features and improvements.

Flexible & Scalable Hardware

- Up to 32 Outputs: Customize your local and radio-controlled units.
- Sensors Agnostic: Up to 48 analog values from environment, hydraulic, chemical, or plant transducers.
- On-Board Controls:
  - Modular Outputs (4/8/12/16) for 12V DC Latch or 24V AC
  - 8 Digital Inputs for water and fertilizer meters, water levels, and more.
  - 4 Analog Inputs for pressure sensors, water meters, and soil tension.
- Long-Range Radio Control: License-free, up to a 10-mile radius.
  - Extended Outputs: Up to 32 12V DC Latch outputs.
  - Extended Inputs: Up to 32 digital inputs and 48 Analog inputs, including SDI12.
- Nutrient Management: Single-unit Ph/EC control.
- Weather and Environment: ET-based irrigation, frost protection, and rain shutdown.

General

- **Multi-Language Support**
- **Local Scheduling and reporting:** Direct Wi-Fi connection from your device.
- **Energy-Efficient:** Solar and AC power options.

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