

About IAS

Irrigation Automation Systems (IAS) is an established leader in the North American Berry, Grape, Citrus and other industries, providing advanced automation and wireless remote monitoring solutions for agriculture businesses since 2004. With over 500 active installation and significant ongoing investment in core research and development, IAS is committed to delivering advanced state of the art telemetry solutions to growers everywhere.

We manufacture equipment and software that help growers monitor, manage and automate their growing processes, optimize the performance of engine and motor driven pumps and remotely monitor and securely control practically anything from a mobile device or over the Internet.

Our maxim is "grow smarter, grow better". Our mission is to help our customers be more effective and efficient by ensuring they have the right data to drive business decisions such as knowing how much water to use during irrigation, controlling how crops are automatically protected during frost and high heat events, and predicting when fungus or disease is about to occur - while there is still time to prevent it. Solving these and other problems faced by growers in a changing environment is what IAS is all about.

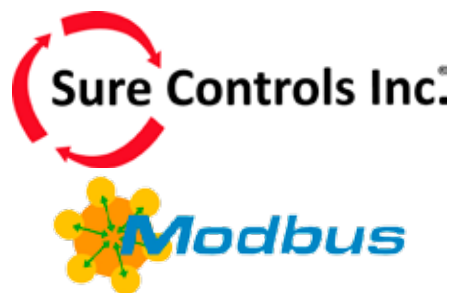
IAS is made up of a small core of experienced professionals dedicated to providing technology that saves growers money, improves their efficiency and protects our natural resources

GROW SMARTER, GROW BETTER



THE WORLD OF IRRIGATION AUTOMATION

Flexible, Reliable, Easy To Use



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XR3000 II SYSTEM AT WORK

HarvestWatch™
Cloud Infrastructure



Schedule

* Time Control

Sensor

* Threshold Control

Remote - Control and Status

* Operate from anywhere in the world

Sense

- Temperature
- Humidity
- Soil Moisture
- Soil Tension
- 4ma to 20ma
- Pressure
- Etc.



Wireless Sensors



Pumps
Wired Control



Fertigation or Chemigation



Control

- Fans
- Valves
- Small motors
- Fertigation
- Etc.

Wireless Controls



Sense

- Temperature
- Humidity
- Soil Moisture
- Soil Tension
- Wind/Rain
- 4ma to 20ma
- Pressure

Engine



Electric

ACCESSORIES

ALERT IV



The Alert IV is a low cost alternative to automation. The Alert IV links a network of up to 8 RF90 II sensor radios to monitor and alert on almost any condition such as temperature, soil moisture, pressure, tank level, CO2, RH, etc. This system is the epitome of "plug and play", as soon as you plug it in, you're on-line. If you ask yourself "What's the cost of not knowing", the Alert IV can be a life saver.

RF90 II



The RF90 II, used in conjunction with the XR3000 II PLC and the Alert IV, is the industry standard communication and control device. These radios provide both remote wireless sensing and control with superior performance and power management. The RF90 II system is also Modbus compatible, can easily read and control remote Modbus devices or can be attached to 3rd party Modbus controller.

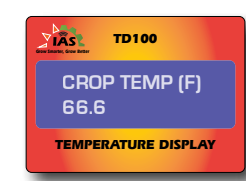
Control your irrigation system remotely via HarvestWatch™ and the XR3000 II Configurable Logic Controller.

IAS products are:

- Made in the U.S.
- Supported by superior customer service.
- Competitively priced.
- Easy to install, use and program. Our *Configurable Logic Controller* allows you to easily make changes on the fly. Set schedules, on/off thresholds, etc. via your phone, tablet or laptop computer.
- Able to provide Near Real Time (NRT) data feedback.
- Equipped with 4G technology.
- Backed by superior product development and innovation. Their quality is second to none.
- Accessed by HarvestWatch™, the industry leading, low cost cloud based data management system.

With the XR3000, you can significantly reduce operating costs, improve crop yields, reduce water and fuel usage and shrink your carbon footprint.

Temperature Display



Installed inside the pump house, next to the engine, you can get a quick read on the bog temperature. Displays lowest temperature from multiple sensors.

IAS Soil Moisture Sensor



IAS designed soil moisture sensor:
- No maintenance
- Includes temperature and humidity

Temperature Sensor



Grower validated, IAS designed sensor
- Accurate
- Reliable

Irrrometer



The industry standard for soil moisture pressure measurement



Power

- Internal Battery
- External Battery
- External ACC power supply

Wireless Control

- Valves
- Fans
- Motors

Compatible Sensors

- Temp
- RH
- Tensiometer
- Soil Moisture
- Pressure
- Any 4ma-20ma Sensor
- Any Modbus Sensor
 - CO2
 - Light
 - Level