

FieldBOSS CONTROL PANEL

Field Management Products



GROWSMART™

Technology that Thinks Like You

GrowSmart is Technology that Thinks Like You

Introducing the FieldBOSS Control Panel

Conserving water, energy and labor is easier than ever before with the FieldBOSS control panel. It gives you common-sense scheduling options that make controlling your irrigation systems fast and simple.

The FieldBOSS control panel improves your field management with the following advantages:

Friendly Irrigation Control

- Plus key, shortcut keys and internal “wizards” make it easier and faster to control your pivot
- Downtime is minimized with self-diagnostics that figure out the specific problem
- The system keeps a 50-record history log for your easy reference

Versatile Irrigation Management

- Five languages, all field selectable
- Units of measure are in US-standard and metric
- Manual override and control option
- Configuration and information are held indefinitely with non-volatile memory

Powerful Resource Management

- Two end gun controls with four selectable applications each
- Two flow meter inputs let you track water usage and flow rates
- Irrigation amounts can be changed automatically based on temperature or time of day
- Seven-day schedule lets you operate system during off-peak electrical rates

Future Expandability

- 64 times more memory than most other control panels
- Easy-to-install rainfall and wind sensors
- Advanced 485 network provides future integration and expandability of controls

The FieldBOSS Gives You More Options — Two Levels of Control

THE EZ PLAN

Irrigation Control at its Fastest
Choose from three independent EZ Plans to control:

- irrigation amounts in precise field areas
- chemigation/fertigation or other accessories
- precise stop point

THE ADVANCED PLAN

Multiple Scheduling Options and
Maximum Flexibility

Choose from three independent
Advanced Plans to control:

- actual field position
- end of run
- date and time
- day of week and time of day
- hold pattern
- automatically call up an EZ Plan

FieldBOSS

Field Management and Irrigation Control Made EZ

Our new GrowSmart™ technology makes the FieldBOSS control panel an irrigator's best friend. Irrigation planning is fast and intuitive. The panel is easy to read and our icons are easy to understand. You also have more choices, allowing you to customize the FieldBOSS to best meet your specific irrigation needs.



The FieldBOSS' easy-to-read panel and easy-to-understand icons are just one way we make irrigation planning easier and faster than ever before.

Optimal Pivot Performance with the Best Field Position Sensor

Position accuracy and repeatability give you precise control of irrigation, chemigation and other accessories. This is crucial for resource conservation and increasing efficiency. The GrowSmart field position sensor combines absolute position technology and a sturdy mount for the best position system available. It's immune to induced voltage and noise. Plus it's corrosion resistant and protected from the weather. Improve your FieldBOSS irrigation benefits with the accuracy and repeatability of the GrowSmart field position sensor.



An EZ Solution to Your Challenges

The FieldBOSS control panel is up to the following challenges. Do any of these conditions apply to your farming operation?

- Commercial power usage is regulated
- Irrigation systems without automatic pump shutdowns
- Water is purchased in advance of use
- Variable field and crop characteristics
- Irrigation systems require multiple pumps
- Operating around an energy savings schedule

The FieldBOSS makes it easy to irrigate in these field conditions.

Multiple Crops



- Individualize water amounts to crop requirements
- Enhance area management of fallow land or grain crops with "soft barrier"

Part Circles



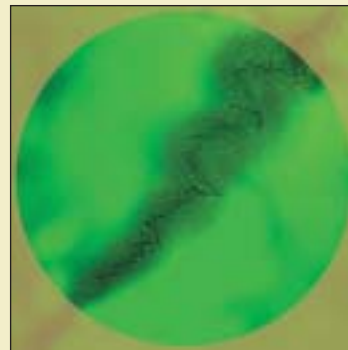
- Control over/under watering in reversing areas
- Easily auto-stop or reverse
- No more complicated looping programs
- Selectable reversing delay

Variable Soil Properties



- Adjust application to match soil water-holding capacity
- Reduce wasteful over application

Uneven Terrain



- Reduce field boundary runoff
- Minimize erosion
- Reduce getting stuck in low areas

Bottom Line Benefits:

- Significant reduction in water use and worry
- Energy conservation
- Faster applications
- Minimize leaching nutrients past root zones
- Make better irrigation management decisions
- Reduce chemical and labor inputs

Upgrade Your Existing Systems

There's never been a better time to convert or upgrade your current irrigation control system. The introduction of our innovative GrowSmart technology line gives you common-sense scheduling options that make controlling your existing irrigation systems faster and easier. And the FieldBOSS irrigation manager offers advanced features with added versatility and powerful resource management.

Customize Your Field Management Package With These Options

Choose from a variety of accessories and sensors to make your irrigation system work harder for you.



Ag 3000 Flow Sensor/Totalizer

Enhance management capabilities or ensure regulatory compliance. Unique, patented design features an innovative rotor design for field-friendly installations. Easy snap-on replacement rotor (no need to send unit in for calibration). Advanced digital totalizer provides flow rate and non-volatile total flow.



Accessory Interface

Integrate the irrigation system with accessories, such as fertilizer injection pumps or agitators, with the modular Accessory Interface package. Plug in up to two 3 HP 3-phase motors and up to two 120V relay controls.



Wind Speed/Direction Sensor

Wind speed shutdown to eliminate drift of irrigation or chemigation if the wind is blowing hard. Keep record of high wind speed.



Pressure Transducer

For automatic pressure shutdowns and warnings. New pressure sensor features fused silicon technology to provide superior linearity and repeatability performance, extremely high proof and burst tolerance and a very wide operating temperature range.



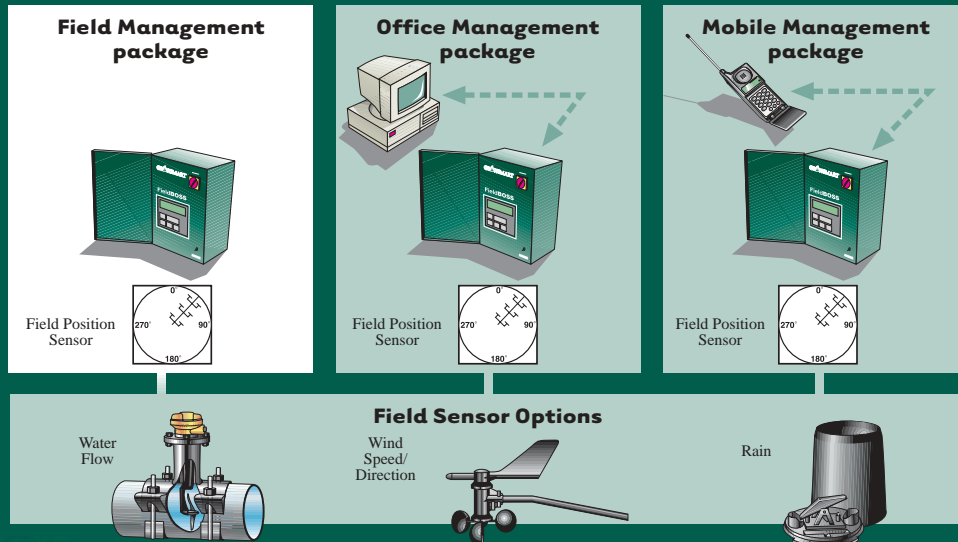
Rainfall Collector

Save water and energy with an automatic irrigation shutdown when a user selectable rainfall limit is reached. The self-emptying collector is easy to install and maintain. Keep rainfall accumulation records.

✓ Check the options that make sense for your field management package:

- | | |
|--|--|
| <input type="checkbox"/> Flow Meter | <input type="checkbox"/> Remote Position System |
| <input type="checkbox"/> Rain Collector | <input type="checkbox"/> Disconnect For Remote Panels |
| <input type="checkbox"/> Wind Speed/Direction Sensor | <input type="checkbox"/> Accessory Interface |
| <input type="checkbox"/> Pressure Transducer | <input type="checkbox"/> Degree Offset (mobile pivots) |
| <input type="checkbox"/> Lights (choice of end tower, pivot or panel lights) | |

GrowSmart Control Products



Expand your Irrigation System Control

GrowSmart™ irrigation products are compatible with most mechanical-move irrigation systems and available at both Greenfield and Zimmatic irrigation dealers.

The Company that's Making It Happen

Lindsay is a leading manufacturer and marketer of center pivot and lateral move irrigation equipment under the Zimmatic, Greenfield and GrowSmart brand names. The company also produces large diameter steel tubing and provides outsource manufacturing and production services for others.

Models/Specifications

Model GSBO-Z300-480P: Transformer input is 480 VAC, 60Hz

Model GSBO-Z300-380P: Transformer input is 380 VAC, 50Hz

**For more information,
see your local dealer.**

Visit www.growsmart.com to find the dealer nearest you.



Lindsay Manufacturing Company, 214 E 2nd St., Lindsay, NE 68644

1-800-829-5300