



SpreadSmart Rx™

Electronic spreader control systems

HYDRAULICS • CONTROLS • REPORTING

Precision controls for powerful spreader performance

When it comes to electronic spreader controls, your winter maintenance vehicles require accuracy, power and performance. Offering sophisticated technology such as temperature-controlled spreading, integrated load and rate management and Wi-Fi data transfer compatibility, the SpreadSmart Rx™ provides industry-leading precision and easy operation. What's more, the SpreadSmart Rx is designed with AVL ready hardware providing capacity to advance your system technology as needed.

SPREADSMART RX

- The most versatile spreader control in the industry
- 4 channels, closed loop, ground-speed oriented, granular, pre-wet, anti-ice control
- Optional 8 channels, closed loop, ground-speed oriented, granular, pre-wet, anti-ice control for tow plow applications
- Multiplex/CAN bus communication
- Temperature-triggered spreading control
- Proportional closed-loop gate control
- On-board diagnostics tools
- AVL ready



LCD display



7" color display



10" dual camera touch display front view



10" dual camera touch display backup view



Toggle keypad



Membrane keypad



SpreadSmart Rx CPU





PRODUCT SUMMARY

- 4 channel, ground speed oriented, open/closed-loop controller with data logging and optional Wi-Fi data transfer
- Prescription spreading using live road temperature data and/or by programmed rates

PRODUCT APPLICATION

- Auger/conveyor, spinner, pre-wet and anti-icing (3 booms x 2 tiers)

SPREADING PRECISION

- Industry-leading spreading precision in closed-loop and open-loop operation

SINGLE OR MULTIPLE LANE WIDTH SETTINGS

- Area spreading in lbs/gal per lane mile (auto adjusts rate for > 1 lane spreading)
- Linear spreading in lbs/gal per mile (operator controls spinner)

SPREADING RATE DEFINITIONS

- Customized application rates for granular, pre-wet and anti-icing
- 10 types for granular, 10 types for pre-wet, 10 types for anti-ice

TEMPERATURE-LINKED SPREADING PRESCRIPTIONS

- Temp Response™ integrates road temperature sensor, controlling granular and liquid application automatically

LOAD AND RATE CALCULATOR AND MATERIAL REMAINING

- Calculates granular and liquid requirements for each route (miles) and automatically sets system rates per that calculation
- Auto mode then includes indication for miles, tons, gallons and % remaining

PROPORTIONAL GATE CONTROL

- Control of optional closed-loop hydraulic gate height and conveyor speed

ENGLISH AND METRIC UNITS STANDARD

- System operates in English or metric units

DATA LOGGING BY MATERIAL NAME FOR BILLING

- Select specific application rate definitions and related data logging for specific purpose (i.e., state vs. county vs. city roads)

STORM AND SEASON TOTALS

- System logs application amounts by rate definition for the storm and the season (storm total is operator resettable)

AVL READY

- Compatible with many brands of radio and cell phone AVL systems

SYSTEM SET-UP WIZARD

- On-screen, step-by-step programming and troubleshooting

ON-SCREEN DIAGNOSTICS AND HELP MENU

- System diagnostics available on screen for settings, software, memory, GPS, distance meter
- Easy-to-follow instructions for use of all parameters shown in "help menu"

BLAST AND PASS (PAUSE)

- Blast is programmable (on/off, timed, momentary)
- Pass (pause spreading temporarily)
- Remote blast and remote pass accessible

SIGNAL COMMUNICATIONS

- Multiple frequency settings for valve compatibility
- Multiplex/CAN bus communication

POWER SAFETY

- Power Safe™ signals prevent random grounds powering any hydraulics system attached (auger, spinner, conveyor, etc.)
- Channel Safe™ detects and protects against open or short circuits on hydraulic drive channels
- Minimum: 11 Volts DC; Maximum 15 Volts DC

SYSTEM DISPLAY OPTIONS

- White/blue LCD: 8 lines, 40 characters/line
- 7" color TFT: 16 lines, 40 characters/line
- Optional 7" TFT touch-screen control

SYSTEM MOUNTING

- Seat or pedestal mount
- Standalone or dash mount for display

WARNING INDICATORS

- Visible (on display) and audible (buzzer)

OPTIONAL EQUIPMENT

- GPS antenna
- Road and air temperature sensor
- Drive by Download™ system
- Gate height sensor, gate height position, hopper level



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