

F E A T U R E S

The Patrol Commander™ Ultra Series Controller for medium and heavy duty plow truck is a fully proportional control with integrated spreader control. Ergonomic design allows one-handed, finger-tip control of all spreader functions and up to nine hydraulic functions. Rigid construction ensures product quality for the life of the vehicle.

Fully proportional controls

- Infinite speed control of up to nine operations simultaneously

Swing-up arm

Available in one,, two and three joystick configurations

- Flexibility to meet specific system needs

Multiple joystick types available

Backlit nomenclature

Four programmable single-acting or dual-acting floats

- Float available on any joystick axis with optional three second delay

Joystick power-on detections

- Helps prevent unintended system operation

On-board visual diagnostics

- Intuitive feedback for troubleshooting



PRODUCT SPECIFICATIONS



Selectable value drive frequency – Full pulse width modulation (PWM) control, selectable valve drive frequency for optimal valve performance.

Mechanical hoist interlock – Avoid inadvertent hoist operation for operator safety. Meets OSHA hoist control regulations.

Solid-state protection – Self-diagnostic valve output drivers protected against over-current and over temperature conditions.

Input voltage monitoring – Prevent unsafe operation during low voltage conditions.

Conveniently located sander standby, sander blast and body vibrator controls – Integrated push button controls for ease of operation.

Available in 1100-5100 series spreader controls – Manual, open and closed loop controls available for granular, pre-wet, anti-icing and dust control.

Integrated spreader control – Saves cab space and allows single-handed control of spreader.

Remote spreader display – Driver safety and convenience.

Selectable valve drive frequency – Full pulse width modulation (PMW) control with selectable drive frequency for optimum valve performance.

Integrated spinner/blast dials – A FORCE America innovation that provides simultaneous spinner adjustment while blast is activated.

ELECTICAL SPECIFICATIONS

Operating temperature range -40° to 185°
Operating voltage 10.0 – 16.0 VDC
Operating current800mA max standby
50 A max with all outputs active
Maximum output current 2.0A
Protection Over-voltage, under-voltage
 Over current, reverse polarity
Valve output type PWM
Valve drive frequency 50 or 125 Hz
Proportional valve drive outputs 18
Float output 4

Maximum float output 5.0A at 12.0 VDC
Maximum vibrator output 2.0A at 12.0 VDC
Maximum hoist warning output 2.0A at 12.0 VDC
Blast and standby current 20mA max
Blast and standby output type Open collector
Blast, standby and vibrator inputs 5.0 VDC
Dashkey input 12.0 VDC
Float enable input 12.0 VDC
Hoist enable input 5.0 VDC
Joystick inputs RS485 standard



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