

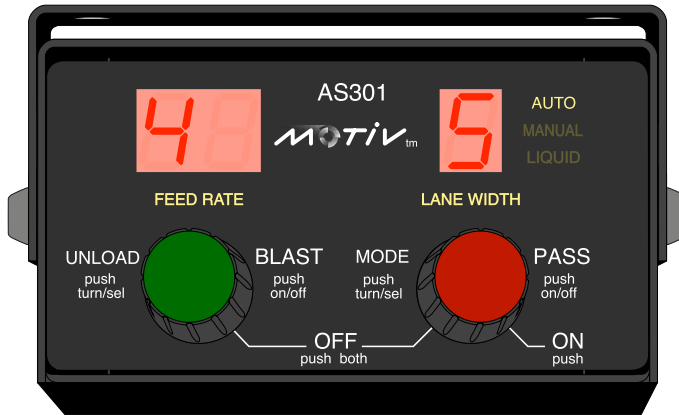


Electro-Hydraulic Controls

Designed and Manufactured by



AS301 Automatic Spreader Controller



- **Manual or Automatic**
... selectable control with ground speed modulation
- **Compact design**
... installs easily into a dash or console
- **Field programmable**
... calibration settings are quickly made directly from the front panel
- **Back lighted panel**
... with easy to use rotary push-buttons

The AS301 is an advanced automatic spreader control. The small pattern design fits into consoles, overhead clusters, arm wrests, dash panels to easily accommodate today's smaller cab requirements. The AS301 offers both manual and automatic control modes, with true pounds per mile regulation based on vehicle ground speed. The AS301 provides current controlled PWM electronic valve drive for a conveyor (auger), a spinner, and a pre-wet liquid enable. The AS301 can operate with today's popular electro-proportional mobile valves.

The AS301 incorporates a fresh new approach to the user interface. A back-lit, panel, with two encoders and two digital displays accommodate the six primary spreader functions: Feed Rate, Lane Width, Blast, Pass, Unload and Product/Gate selection. The built-in program monitor allows the installer to set up and calibrate the system using a pass code for protection; no other tools required.

AS301 Spreader Features

- ◆ Nine programmable Feed Rates for conveyor; calibrated in true pounds per mile
- ◆ Nine programmable Lane Widths for spinner speeds, with zero MPH shut off in Auto
- ◆ Auto or Manual operation. Six different configurations, including manual lockout
- ◆ Blast with adjustable off-delay timer, push on/off control, remote switch option
- ◆ Pass feature with instant push on/off control, remote switch option
- ◆ Unload material with vehicle speeds up to 5 mph, spinner speed is user selectable
- ◆ Four granular products the operator can select from the front panel
- ◆ Optional liquid pre-wet output, turns on and off with conveyor valve
- ◆ Remote functions; Blast, Pass, run/stop, two speed axle, stall pressure switch, float switch
- ◆ Standard mounting bracket; accommodates installations from above, or below
- ◆ Small pattern design: 5.4" wide, 3" high, and 3" deep
- ◆ Front panel graphics and colors can be customized to specific needs

Electrical Specification

- ◆ Operating voltage: 11 - 15 vdc, standard 12 volt mobile battery system, (neg) ground
- ◆ Outputs: (3) current controlled PWM valve drivers; 2.5 amps each, overload sensing/protection
- ◆ Inputs: mph (4 sensor types AC or DC); (2) digital inputs; programmable assignment of five remote devices
- ◆ Operator: back lighted front panel, encoders w/ knobs, alpha-numeric display, mode indicators
- ◆ Wiring interface: Ditco standard AMP CPC 9 pin; drop in replacement for DS2's, AS2's, and MS2's
- ◆ Diagnostics: valve coils open/shorted, vehicle voltage, input verification
- ◆ Enclosure: non-glare face plate, mounting bracket, urethane painted steel,
- ◆ Calibration: calibrations set via front panel, no tools required, pass code protected

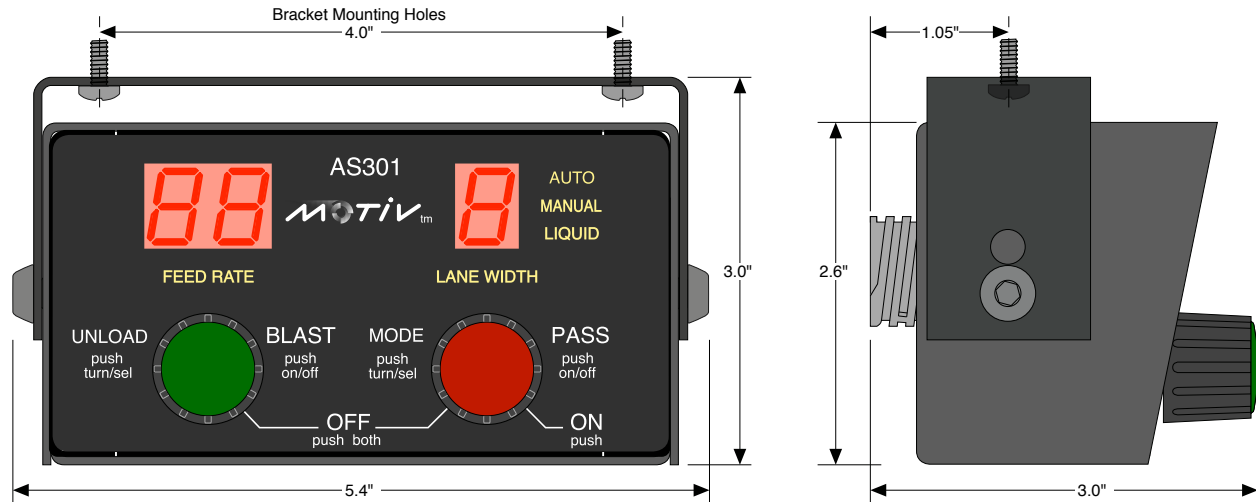


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Mechanical



System Connections

