



MESP-401A

AUTOMATIC/MANUAL SPREADER CONTROL



MANUAL OR AUTOMATIC

Groundspeed operation automatically keeps output even at all driving speeds

FIELD PROGRAMMABLE

Set up adjustments are made directly from the front panel

BACKLIT PANEL DISPLAY

Easy to see and read at night as well as day



The **MESP-401A** offers the popular features most often requested by today's equipment users. It provides both a manual or an automatic control with pounds per mile regulation using vehicle ground speed. The MESP-401A has two electro-hydraulic valve drivers, one for the auger (conveyor) and one for the spinner. Each valve drive output is current regulated with pulse width modulation and min. and max. trim adjustments so that the MESP-401A can operate with any electro-proportional valve.

The MESP-401A uses a simple front panel design with an easy to read numerical display. The operator's panel has two rotary controls, one for Feed Rate and the other for Lane Width control. Each control has detents and endless rotation with a push-on/push-off switch feature. The operator will either **turn** or **push-n-turn** or **push-on/off** to control the various spreader functions. The front panel is backlit for easy viewing in nighttime conditions.

CONTACT THE SNOW AND ICE DEPARTMENT

by phone at: **1-800-367-7867**

or by email at: snowandice@munciepower.com

MESP – 401A SPREADER FEATURES

- Nine programmable levels of Auger (conveyor) control, with true pounds per mile calibration
- Nine programmable levels of Spinner control, current controlled with zero MPH shut on/off
- Four granular products can be calibrated and user selected from the front panel
- Auto or Manual operation with manual lockout
- Blast with 30 second adjustable timer, can unload material when the vehicle is not moving
- Pass mode for fast on/off control and remote Pass / Blast control
- Remote override, allows the operator to enable spreading from outside the truck, via a switch

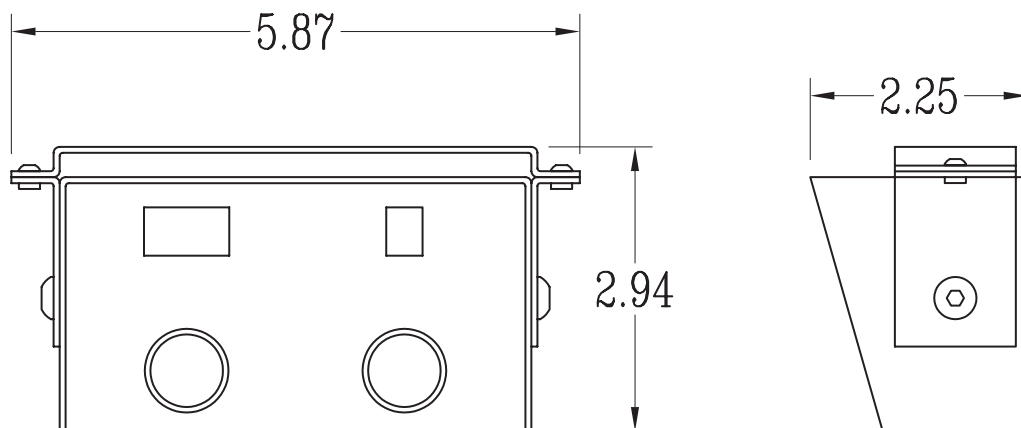
ELECTRICAL SPECIFICATION

- Operating voltage: 11-15 vdc, mobile vehicle 12 volt battery system
- Outputs: (2) current controlled PWM valve drivers, 2.5 amps each, short circuit protected
- Inputs: (1) mph speed sensor, AC or DC, (2) digital inputs used with certain options
- Operator: Back lighted front panel, detented rotary switches, numeric display
- Wiring interface: AMP CPC 9 pin
- Enclosure: steel w/ u-bracket, enclosure options available for minimal foot print
- Calibration: all calibrations are set through the front panel, no special tools required

SPECIFICATION

The Spreader Control shall incorporate the following features:

- Automatic (proportional to groundspeed) and manual control
- Blast and Pass operation
- Lighted numerical display of Feed Rate (auger) and Lane Width (spinner) operation
- Programmable adjustments using only the controls and displays for entry
- Pulse Width Modulation valve drive
- Current controlled valve drive and
- Short circuit protection and open circuit detection. A Muncie Power Products P/N MESP-401A or its equivalent is acceptable.



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